

**SPS-8478-Education Domain**

**A Project Work  
under  
Web Build-A-Thon**

**Submitted to**

**SmartInternz-GoDaddy**

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## **1. INTRODUCTION**

### **1.1 OVERVIEW**

The COVID-19 pandemic has left its impact on each every aspect of human life. Every one needs help in accomplishing daily life tasks. Most of us keep track of those tasks through websites/apps on our devices. To attend those daily life tasks and accomplish them successfully, any one needs the support of technologists who develop solutions based on the information technologies that deal with development of suitable avenues in different circumstances and compatible to them. Website development is one such proven avenue and ever revising with recent technological developments. This report focuses on development of the best websites in most of the aspects of life considerations. The purpose of this project is presented in the next subsection.

### **1.2 PURPOSE**

Human beings tend to lean upon easing out the situations by completing their tasks with utmost comfort. In many situations technology comes handy and creates a road map to successful technological gadgets which make life easy. As part of this, in perspective of pandemic circumstances as well as in general, to minimize human interactions and complete daily life obligations new ways are being continuously explored. Most of such gadgets rely on websites that are developed to cater to societal needs. Therefore, the design and development of better websites is the need of the hour. The next section reviews the literature.

## **2. LITERATURE SURVEY**

### **2.1 EXISTING PROBLEM**

Most of the time humans tend to pursue their daily life tasks in person. One needs to go personally every where and carry out the task to their satisfaction. But, in a pandemic situation like COVID'19 it is not advisable to participate in crowds and become targeted. Therefore, creating a "Website" that is capable of browsing information required, presenting the different options, authenticating users, and providing the opportunities to

visitors to complete their tasks is the problem to be explored in this project. The proposed solution is discussed in the next subsection.

## 2.2 PROPOSED SOLUTION

A solution to build a "Website" in the chosen "Education Domain" with basic complexity using software package called "Wordpress" on GoDaddy provided Hosting space is proposed in this project as part of SmartInternz-GoDaddy Web Build-A-Thon with the following capabilities:

- A. The website must have adequate number of pages/posts/blogs.
- B. Each page/post/blog should have adequate sections.
- C. Display the page/post/blog with Header, Body and Footer.
- D. Visitors are given adequate information to visit different pages/posts.
- E. Each page/post must be editable in Wordpress.
- F. Website built in must be compatible to Host it in GoDaddy hosting space.

Further, it is proposed to host the Website in the space obtained by redeeming a promocode provided by the GoDaddy and make live on that site.

Theoretical analysis to provide the above proposed solution is described in the next section.

## 3. THEORITICAL ANALYSIS

### 3.1 WEBSITE OVERVIEW

Website is a location on web and is hosted on a web server. It is a set of related web pages. It is accessed using Internet address known as Uniform Resource Locator. Websites are two types. First one, is static websites. Such websites contain only static information. They are loaded on the client's browser as exactly they are stored on the web server. User can only read the information but can't do any modification or interact with the information. **Static websites** are also known as flat or stationary websites. Static websites are created using only HTML. Static websites are only used when the information is no more required to be modified.

Dynamic websites are second type of websites. They show different information at different point of time. It is possible to change a portion of a web page without loading the entire web page. There are two portions of dynamic webpages. A Server-side dynamic web page is created by using server-side scripting. There are server-side scripting parameters that determine how to assemble a new web page which also include setting up of more client-side processing. The other portion is Client-side dynamic web page, which is processed using client side scripting such as javascript and then passed in to **Document Object Model (DOM)**. The next subsection shall describe about website designing.

## 3.2 WEBSITE DESIGNING

Web desinging is subset of web development. Web designing has direct link to visual aspect of a web site. Effective web design is necessary to communicate ideas effectively. Webdesign Plan should include the following:

- Details about information architecture.
- Planned structure of website.
- A site map of pages
- Appearance of web pages.
- Linking between web pages.
- Layout of visual elements.

The block diagram for website designing is shown below at Fig. 3.1. indicates the different components.

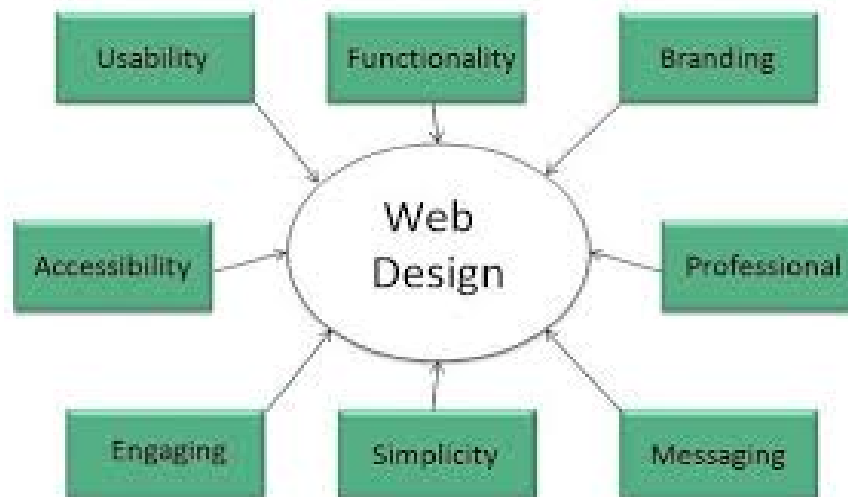


Fig. 3.1 WEBSITE DESIGNING BLOCK DIAGRAM

The website designing depends on the factors in the block diagram shown at Fig. 3.1. These factors include functionality, usability, accessibility, engaging, simplicity, messaging, professional, branding. Based on these factors website designing is taken up to develop web. **Web development** refers to building website and deploying on the web as shown below at Fig. 3.2.

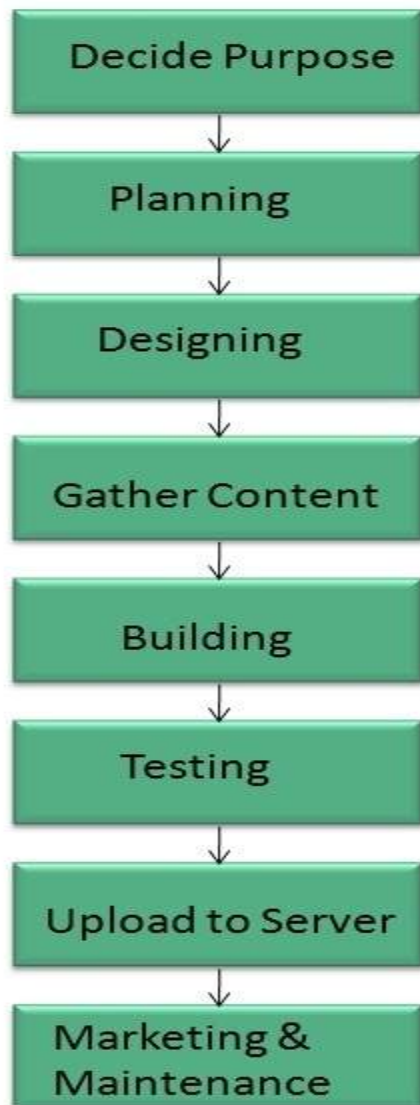


Fig. 3.2 WEB DEVELOPMENT PROCESS

The web development process shown above at Fig. 3.2. and describes the steps for the same. The purpose to develop website is decided first. Then, planning the pages required to build the website. The pages planned for the purpose are to be designed next. Based on the proposed designs, content for the pages is gathered. Using the content the web pages are built. The web pages built are configured as a website and it is tested. The entire website is uploaded into a webserver to host it. Subsequently,

website is published by uploading files, updating pages and posting blogs on to the internet in a hosting server using web development software. The next subsection gives an overview of such software namely Wordpress.

### 3.3 WORDPRESS WEB DEVELOPMENT

Wordpress is most popular content management system used to develop the websites. The features of wordpress are shown below at Fig. 3.3.



Fig. 3.3 Features of Wordpress

The wordpress has features to develop static websites to CMS. It supports Theme development for those websites. Further, it develops plugins for various sections of web pages in the website. Wordpress allows to create SEO friendly websites. In addition it allows to develop E-Commerce Development. In the whole process of web development it supports a feature to fix the bugs. The features to design the webpages in word are shown below at Fig. 3.4.



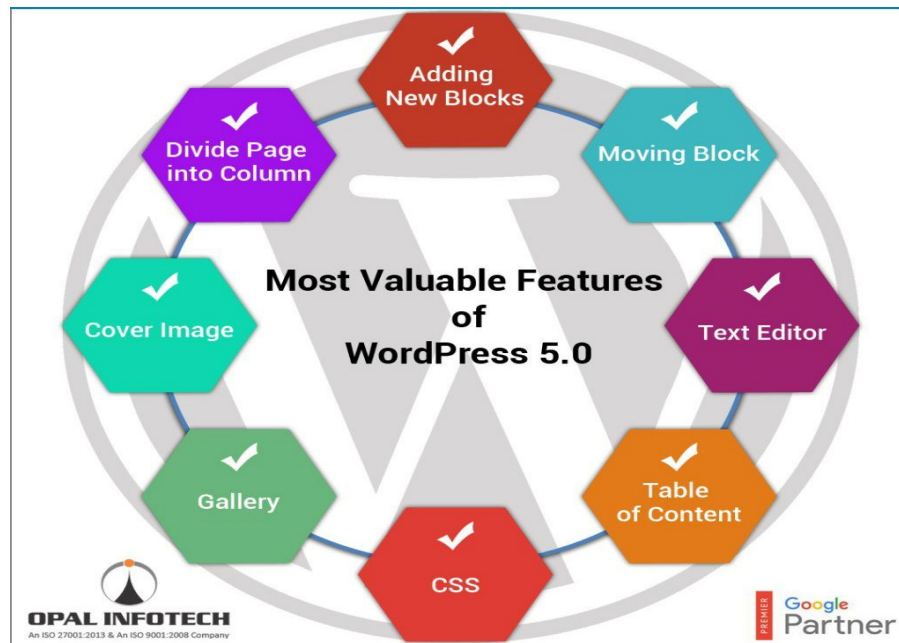


Fig. 3.4 Features to Design Web pages in Wordpres

The web page is divided into sections(or coloumns). New blocks are added into those sections. This blocks are moved within the web page. Blocks can be edited with text editor. Wordpress provides facility to create table of content. The CSS is another feature to customize the styles in the web pages. The web pages can accomodate a gallery in a web page to accomodate list of items such as photos. A feature of wordpress allows to post images in a web page.The Wordpress webpage/site architecture can be seen below at Fig. 3.5.

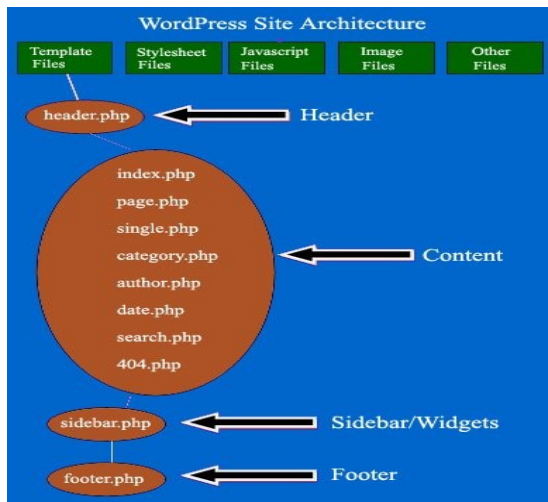


Fig. 3.5 Wordpress Site Architechture

The wordpress stie or web page architecture can be seen as comprised of header, footer, content, sidebar/widgets. This architecture will also employ php files such as template, style sheet, Java script, Image and others. The header.php is created for a header. Similarly, footer.php is created for a footer. Where as a sidebar.php is created for a side bar of the site. The content is made up of different files such as index.php, page.php, single.php, category.php, author.php, date.php, search.php, 404.php. All these files make the content of website. The next section describes the experimental investigations on proposed website.

#### 4. EXPERIMENTAL INVESTIGATIONS

The experimental investigations are made on the website by first, creating wab pages, next by exporting the data onto to the local host, then importing the data onto the web serverand finally migrating the website onto the internet using a hosting web server. The steps required to carry out the experimentation of creating web pages is explained as below:

1. To create an account at Wordpress website after downloading and installing Bitnami Wordpress for participating in GoDaddy-SmartBridge Web Build-A-Thon.
2. Login into Dashboard of Wordpress.
3. Set the theme of Wordpress website.

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4. Add a new page called "Homepage" from dashboard of Wordpress by going to all pages.
5. Customize Homepage in Wordpress by setting Logo, creating Primary Menu, setting the display of site to Homepage.
6. Rest of the sections of Homepage is to customize in Elementor.
7. Using Wordpress dashboard go to all pages, add a new page called "About" page and customize it.
8. Rest of the sections of About page are to be completed using Elementor.
9. Using Wordpress dashboard go to all pages, add a new page called "Academics" page and customize it.
10. Rest of the sections of Academics page are to be completed using Elementor.
11. Using Wordpress dashboard go to all pages, add a new page called "Admissions" page and customize it.
12. Rest of the sections of Admissions page are to be completed using Elementor.
13. Using Wordpress dashboard go to all pages, add a new page called "Outreach" page and customize it.
14. Rest of the sections of Outreach page are to be completed using Elementor.
15. Using Wordpress dashboard go to all pages, add a new page called "VisitUs" page and customize it.
16. Rest of the sections of VisitUs page are to be completed using Elementor.
17. Setting up the wordpress to define footer on all pages in the Wordpress website.
18. Using Elementor create a footer to be used on all webpages of the website under construction.
19. Export all the data of webpages of the website under construction.
20. Buy Web Hosting Space at GoDaddy Website using promocode.
21. The web space is booked at GoDaddy Website by redeeming promocode to host Wordpress website.
22. Import all the data of webpages of the exported website.

23.Migrate all the data of webpages of the exported website into webspace and hoist on GoDaddy website.

## **5. FLOWCHART**

A flowchart explaining flow of the experimentation is presented in this section as seen below at Fig 5.1. The experiment begins with downloading and installing wordpress from Bitnami site. Further, one has to sign up for an account and create a url to login onto webpress localhost. Initially, the domain in which the website is to be developed is to be identified. Next, to design web pages select a theme and customize it. The content of header, footer, sidebar, other sections or blocks are to be prepared and loaded into them to build each and every web page. Export the data of all web pages from the local host. Import the data of all web pages into web hosting server. Migrate the new website into web hosting server to go live onto the internet.

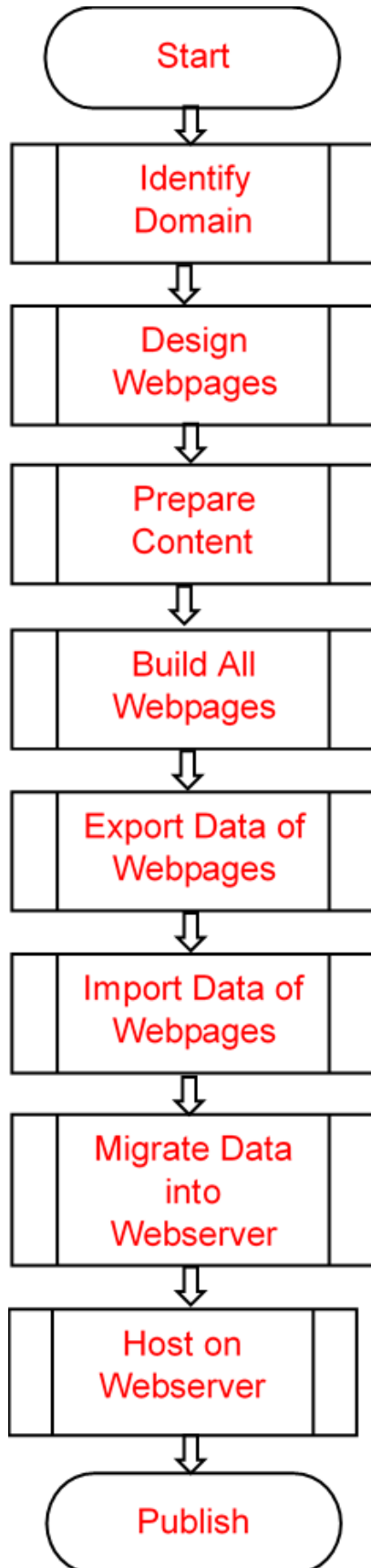


Fig. 5.1 Website Development Flow Chart

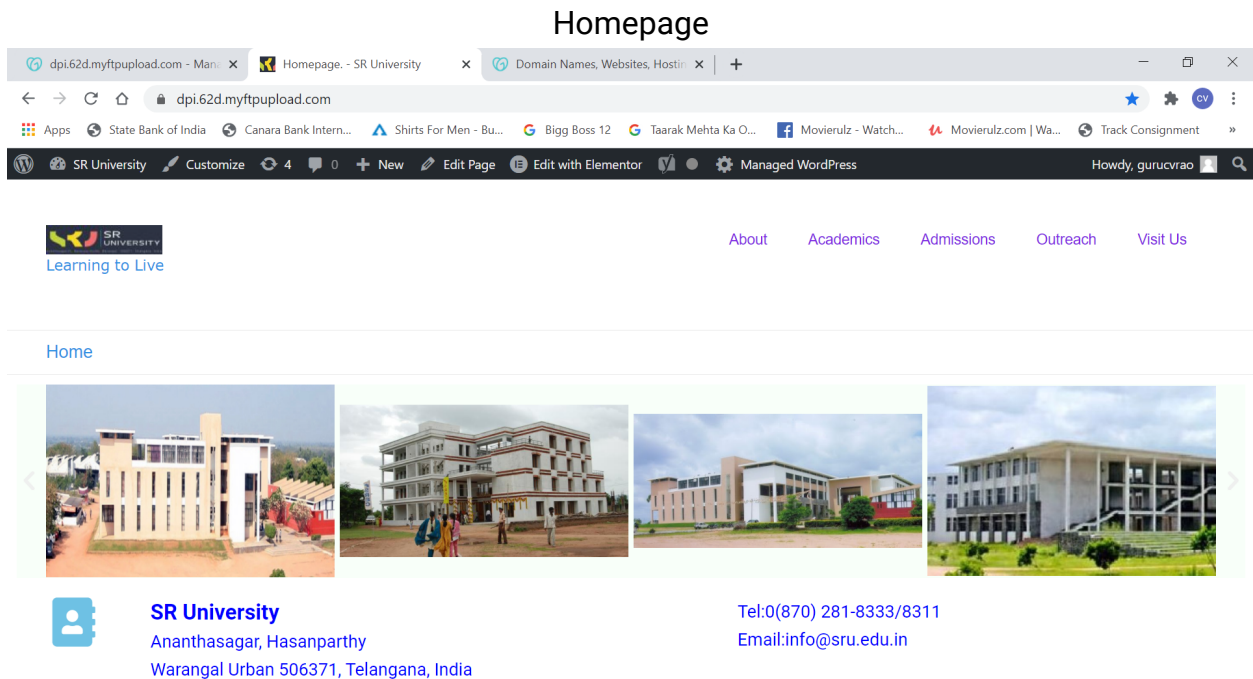
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The details of website developed in this project is presented at the next section.

## 6. RESULT

The website developed in the project is hosted in the web space offered by GoDaddy and webpages are displayed as hereunder:



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## About

Home » About

Sri Rajeshwara Educational Society, the parent body of SR University is a 45-year-old conglomerate of educational institutions with more than 90,000 students and 10,000 teaching and non-teaching staff members. SR Educational Academy governs 95 Educational Institutions across Telangana and Andhra Pradesh.

The goal of SR University is to create an innovative learning educational ecosystem whose graduates significantly contribute to the growth of Telangana and India. We plan to transform the educational system through three key differentiators.

### Key Differentiators

At the core of SRU, exceptional faculty engage students in new experiences through innovative teaching approaches. SRU is home for such faculty who are ever curious to question existing knowledge, push the boundaries of understanding through research, and incorporate innovative teaching- pedagogies for better learning experiences.

## Academics

Home » Academics

### ACADEMICS SCHOOLS

The SR University runs the following Schools

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## Admissions

The screenshot shows a web browser displaying the SR University Outreach page. The page features a navigation bar with links to About, Academics, Admissions, Outreach, and Visit Us. Below the navigation bar, there is a breadcrumb trail: Home » Outreach. The main content area is divided into two sections: RESEARCH SPOTLIGHT and PLACEMENTS. The RESEARCH SPOTLIGHT section includes five statistics: Research Publications (2000+), Sponsored Research Projects (50+), Patents (30+), and Research Funding (15 Cr+). The PLACEMENTS section includes three statistics: Campus Placements (90% +), Recruiters (140+), and Industry Partners (25+). Each statistic is accompanied by a brief description of the achievement.

RESEARCH SPOTLIGHT	2000+	50+	30+	15 Cr+
Conducive environment for research and state-of-the-art laboratories resulting into enhanced research outcome	Research Publications	Sponsored Research Projects	Patents	Research Funding

PLACEMENTS	90% +	140+	25+
Graduates find exceptional placements across India as well as abroad. They are sought after and rewarded with good pay	Campus Placements	Recruiters	Industry Partners

## Outreach

The screenshot shows a web browser displaying the SR University Outreach page. The page features a navigation bar with links to About, Academics, Admissions, Outreach, and Visit Us. Below the navigation bar, there is a breadcrumb trail: Home » Outreach. The main content area is divided into two sections: RESEARCH SPOTLIGHT and PLACEMENTS. The RESEARCH SPOTLIGHT section includes five statistics: Research Publications (2000+), Sponsored Research Projects (50+), Patents (30+), and Research Funding (15 Cr+). The PLACEMENTS section includes three statistics: Campus Placements (90% +), Recruiters (140+), and Industry Partners (25+). Each statistic is accompanied by a brief description of the achievement.

RESEARCH SPOTLIGHT	2000+	50+	30+	15 Cr+
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PLACEMENTS	90% +	140+	25+
Graduates find exceptional placements across India as well as abroad. They are sought after and rewarded with good pay	Campus Placements	Recruiters	Industry Partners



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## Visit Us

Home » Visit Us

**SR University**

Ananthasagar, Hasanparthy (M),  
Warangal Urban 506371  
Telangana, India

**Admission Contact No:**

Tel : 0(870) 281-8333/8311,  
Mobile:+91 8331003030.  
Whatsapp:+91 8331004040  
Email: info@sru.edu.in

**Request For Call : +91 7893577877**

**SR University**  
Ananthasagar, Hasanparthy (M),  
Warangal Urban, Telangana 506371  
3.9 ★★★★★ 320 reviews

Directions

Kondapuram, Huzurabad, Kamalapur, Parkal, Palampet, Mulugu, Chalval, Pasara, Laknavaram, Tady...

## Footer Template

**SR University**

Ananthasagar, Hasanparthy  
Warangal Urban 506371, Telangana, India

Tel: 0(870) 281-8333/8311  
Email: info@sru.edu.in

The advantages and disadvantages are listed in the next section.

## **7. ADVANTAGES AND DISADVANTAGES**

The website built under the auspices of SmartInternz-GoDaddy is most successful one and became live after hosting. The advantages and disadvantages are listed as below:

### **7.1 ADVANTAGES:**

- a. It works on any devices such as mobiles, tablets, desktops etc.
- b. It is platform independent and thus it is portable.
- c. It saves time, effort and energy of the web builder.
- d. Websites are easily built as less coding is employed.

### **7.2 DISADVANTAGES:**

- a. One must be aware of softwares/technologies to develop websites.
- b. There may be a chance of losing opportunity to browse information in absence of a website.

The possible applications of the website are presented at the next section.

## **8. APPLICATIONS**

Recent days due to technological evolution, people are in continuous usage of modern gadgets such as mobiles, notebooks, tablets, laptops and other devices in their busy life. In such engagements people find it to complete their important tasks such as shopping, paying bills, completing financial transactions which require to browse their websites. The current website becomes a template to build websites belonging to the education domain and can be explored to set templates in the other domains as well. This project of developing a website in the education domain is concluded in the next section.

## **9. CONCLUSION**

A website of basic complexity for Education Domain is explored in this Web Build-A-Thon project by using the WordPress software. In this process, a website for SR University bot is being successfully built as per the project specification and hosted it on the GoDaddy provided hosting space. The results of experiments are verified and

found that that website is live on the internet with generated domain name. The next section explores the possible future scope of work.

## **10. FUTURE SCOPE**

The website built for the SR University in this Web Build-A-Thon is with some basic features. These features can be expanded to make comprehensive website of the SR University with full fledged online University Management System. Such a system can assist of the stakeholders of the institution. The bibliography is followed.

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### 5 How To Make a WordPress Website: Step-By-Step Guide for Beginners

- <https://themeisle.com/blog/how-to-make-a-website/>