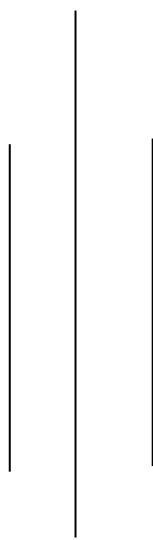# PRITHIVI NARAYAN CAMPUS

BHIMKALIPATAN-1, BAGAR

website: www.pncampus.edu.np

PRITHIVI NARAYAN CAMPUS
BHIMKALEPATAN-1, POKHARA

REPORT PRESENTED BY:

1. Roopesh acharya -------------- Project Leader and web developer
2. Shankar Lamichhane ---------- Web developer
3. Bhanubhakta poudel ----------- Web developer
4. Amrit chapagain -------------- Web developer

EXECUTIVE SUMMARY

This report addresses the development of website created for Prithivi Narayan Campus using HTML5, CSS3, BootStrap4, JavaScript and Python. Delving into the requirements, Django is the framework in implementation. The objective of this project was to create an online website to unveil the academic and non-academic events ongoing in the college. This report aims to clarify and justify every decisions made during the development procedure. They have been shown into textual and pictorial forms. To effectively reach to targeted aims, the website is designed to be simple, dynamic and user-friendly. The front-end layout, colors and fonts are also discussed in the report below. Each and every choices made during the development of this website have led to a flawless-astonishing campus website that proves itself to be made for dynamic multi-user site as per the college's requirements.

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Introduction

This report portrays' the journey that entailed with creating the website of Prithivi Narayan Campus with the college's needs and requirements. This site provides the professional information about the college. With reference to the previous website of the college, initial design ideas, college's information, college's requirements and reasons behind the decisions made in creating the website are all discussed with college's personals. Back to back, meetings were conducted to outline the key content in this website. We have tried to make the navigation as intuitive and simple as possible. This website is easy to navigate, dynamic and the themes and color schemes add more flavor in the site design.

Aims and Objectives

This website is designed to be user-friendly and dynamic as per UGC requirements. Our website aims to contribute to the college's strategies and priorities by promoting its values, capabilities, expertise and activities. The portal view of site attracts and recruits people to study here as it provides information and services that are responsive to internal users and students. To accomplish the aims of our college's website, we have mainly focused on attracting and recruiting more students, communicating the College's values and making a relevant and accessible information source for current and upcoming students. Our site promotes the college's excellence in teaching and research programs. Our site facilitates good service provision , consistency in information flow and dynamic in updating information as quick as possible. This site provides accessible user and task- oriented content.

In phase of development, we have considered two major principles to guide our project.

Primarily, a visitor of the site should be able to navigate around in consistent, site should be simple but modern and there should be no risk of getting lost in the web of information.

Secondarily, any visitor to the site, whether they are internal or external users to the site, should not need to understand and navigate the College's organizational structure in order to surf relevant information, resources and services.

Design Procedure

This section outlines the decisions made for our website and its justifications. This will be broken down into decisions made for the functionality of the website and for the aesthetic and design. This website was created using HTML5, CSS3, Bootstrap4, JavaScript and Python. A blueprint of the website was created before the design process began. The blueprint gives the viewer an accurate impression of what the final product (website) looks like. This made us easy to cooperate with college representatives to get opinions on the features, what to be added and what to be removed. Every content has been aligned to the center of the page. This is so that the design remains similar on all devices to make users feel as though they are seeing the exact same thing no matter what device they access the site on.

a. Layout

The initial page that the users land on is the home page but also acts as a landing page directing the users to commit to an action. In the primary optical area is the navigation bar as shown in figure below. (This is "where eyes will naturally focus".) This will aid the users to direct directly to the page they want to access. This helps users to understand

what the website has to offer and will guide users to pages beyond the homepage.
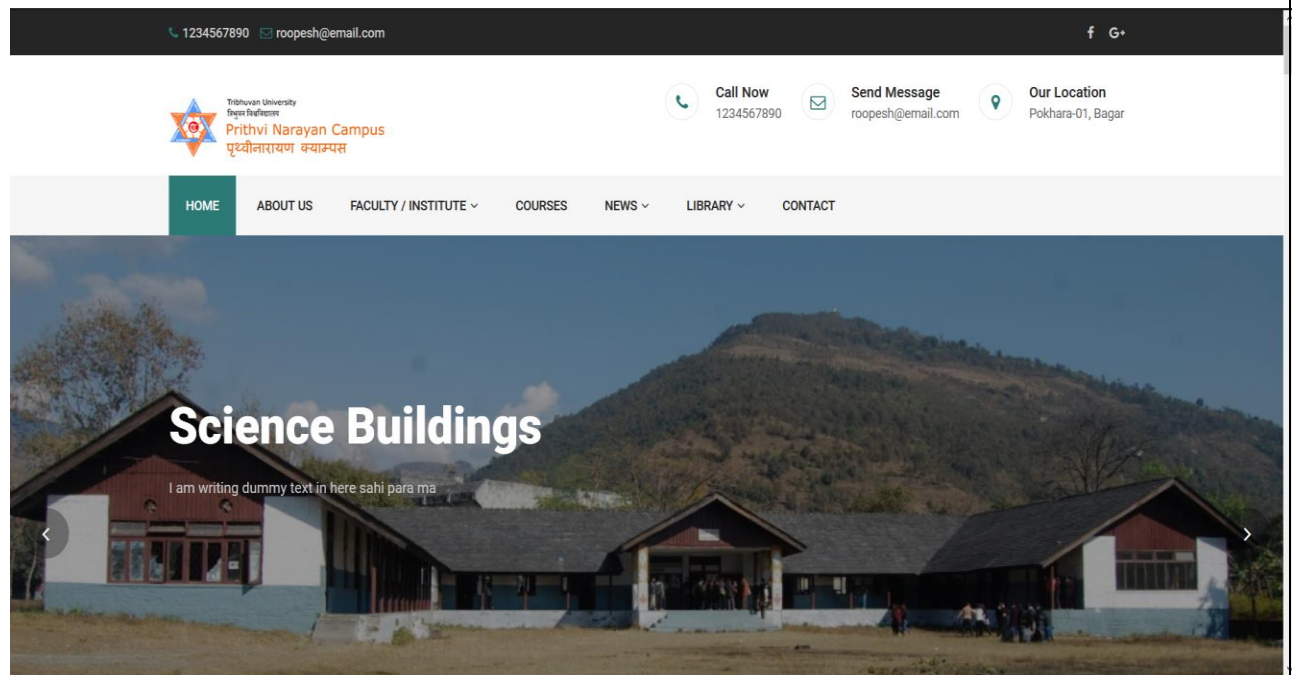
To ensure the site to be modern, a parallax scrolling design has been used. This makes the site interactive in nature. Scrolling down the home page, we reach to recent notice section, where users are able to know the recent notices published by the college. Beneath, we get access to currently published news and events that occurred recently. The testimonial area is designed to publish student's, staff's or any business partner's ideal sayings to the college. The first page reached by scrolling is then the gallery. It provides the users to click on any image to view a gallery of uploaded images. They can choose to view this gallery full screen, as a slideshow or click through a grid on the right hand side of screen for specific images. Although there are other links on this page, the call to action is positioned at the bottom of the page.

The about page contains some vital information about the college, i.e. it's historical background, development phases and many more. This is the page where users will look for the facts about the college.

The faculty/institute page provides information about the faculty and subjects the college provides. Users who want to know about the subjects and faculty offered in PNC, use this page. Also, the college administration uses this page to create, update or delete any faculty or subjects.

The courses page provides users the detailed information of faculty and courses those faculties offer.

The next is , news page which directs us to the news, notices and events that happen in the college.
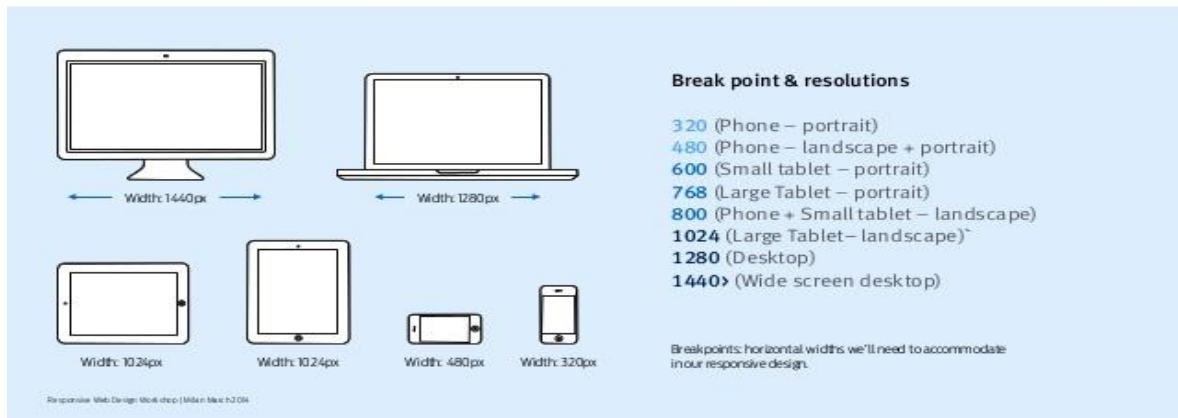
Every college website should have a clear information on library facilities. Likewise, in our website, library page updates users about the library management system, library facilities, audio books, e-library facilities and many more.

The contact page is a critical component of a college website. People interested in our college need to be able to contact us. The contact page has the college's phone number, address and most importantly Gmail address. A map is addressed at the contact page as it makes users easier to get to the location.

b. Mobile Optimization

The issue with previous site was it's flaw in being responsive. Our site has eradicated this issue resulting into the responsive website in every device sizes. To maximize the number of potential users, our website uses media queries.

Breakpoints & Media queries

Break point & resolutions

320 (Phone – portrait)
480 (Phone – landscape + portrait)
600 (Small tablet – portrait)
768 (Large Tablet – portrait)
800 (Phone + Small tablet – landscape)
1024 (Large Tablet – landscape)`
1280 (Desktop)
1440> (Wide screen desktop)

Breakpoints: horizontal widths we'll need to accommodate in our responsive design.

Width: 1440px   Width: 1280px   Width: 1024px   Width: 1024px   Width: 480px   Width: 320px

Responsive Web Design Workshop | Milan March 2014

More than half of the world now uses a smartphone, so it is of vital importance that a website can be viewed on mobile phones. Using several media breakpoints, the website displays itself differently to optimize the user experience.

c. Font

To improve the overall aesthetic of webpage and to make content readability easier, font should be selected with care. Fonts affects the website's performance, which depends on whether the font in use is web-safe font, or not. Font helps to define the hierarchy of content and are highly important within web design.

To avoid looking messy, the best solution we got up is to use a maximum of two or three fonts on a page. The fonts "Roboto", "Times New Roman", "Serif" were used to make the site simple-looking and modern.

Times New Roman

abcdefghijklmnopqrstuvwxyz

ABCDEFGHIJKLMNOPQRSTUVWX

EXOTICA

A different font is used for important texts or titles in order to be more noticeable on the page. All the fonts have a number of more common fonts as back-up incase the main font is not available on the platform the website is viewed on.

d. Color

Choosing the right colors for website is crucial for our online success. It can be the most powerful tool to gain a positive reaction form users or visitors of he website. Color combinations are used to stir visitor's emotions or respond to a call-to-action on our website. It helps us to process and store images more efficiently than colorless images, this can help to increase brand recognition. By applying the principles of analogous, complementary, monochromatic and triad color harmonies, the standard colors have been used being content- based. Too many colors can also cause eye fatigue and overwhelm the users, so new experimental colors are introduced to reduce that risk. Thus, the texture used is light, discreet enough, and not too distracting, allowing to keep the focus on the content.

e. Logo

Everything about the logo, from the background color to the symbols, needs to be in accord with respective college's motto. Thus keeping in mind the outlook and simplicity for understanding, the logo of college has already been designed and we have used the same logo. The original shape, size and height has been maintained same as the previous one.

Conclusion

In a nutshell, the website was made with all kind of users in mind. It takes into account the change in internet consumption from desktop to mobile devices and uses media queries to solve this. All the colors, fonts and design decisions used are standard and ensures engagement with various hover effects and background choices. The website is dynamic and any changes made in the content is immediately updated in the website.

THANK YOU!