Internship Management System Using PHP

B.Tech-CE Semester- IV

Prepared at

ISO 9001:2008
ISO 27001:2013
CMMI LEVEL-5

Bhaskaracharya Institute for Space Applications & Geo-informatics

Science & Technology Department, Govt. of Gujarat.

Gandhinagar

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SUBMITTED TO

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ISO 9001:2008
ISO 27001:2013
CMMI LEVEL-5

CERTIFICATE

This is to certify that the project report compiled by ***Mr Yash Bhalani, Mr. Rohan Jethloja., Mr. Chirag Padaliya and Mr. Rutvik Jakasaniya*** *students of 4th Semester* ***B. Tech-CE/IT from CHARUSAT UNIVERSITY, Changa*** *have completed their Summer Internship project satisfactorily. To the best of our knowledge this is an original and bonafide work done by them. They have worked on web-based application for* ***"Internship Management System Using PHP"****, starting from May 15th,2019 to June 15nd,2019.*

During their tenure at this Institute, they were found to be sincere and meticulous in their work. We appreciate their enthusiasm & dedication towards the work assigned to them.

We wish them every success.

Vishal Patel

Project Scientist,

BISAG, Gandhinagar

T. P. Singh

Director,

BISAG, Gandhinagar

About BISAG

ABOUT THE INSTITUTE

Modern day planning for inclusive development and growth calls for transparent, efficient, effective, responsive and low cost decision making systems involving multi-disciplinary information such that it not only encourages people's participation, ensuring equitable development but also takes into account the sustainability of natural resources. The applications of space technology and Geo-informatics have contributed significantly towards the socio-economic development. Taking cognizance of the need of geo-spatial information for developmental planning and management of resources, the department of Science and Technology, Government of Gujarat established "Bhaskaracharya Institute for Space Applications and Geo-informatics" (BISAG). BISAG is an ISO 9001:2008, ISO 27001:2005 and CMMI: 5 certified institute. BISAG which was initially set up to carryout space technology applications, has evolved into a centre of excellence, where research and innovations are combined with the requirements of users and thus acts as a value added service provider, a technology developer and as a facilitator for providing direct benefits of space technologies to the grass root level functions/functionaries.

BISAG's Enduring Growth

Since its foundation, the Institute has experienced extensive growth in the sphere of Space technology and Geo-informatics. The objective with which BISAG was established is manifested in the extent of services it renders to almost all departments of the State. Year after year the institute has been endeavoring to increase its outreach to disseminate the use of geo-informatics up to grassroots level. In this span of nine years, BISAG has

assumed multi-dimensional roles and achieved several milestones to become an integral part of the development process of the Gujarat State.

BISAG's Journey

2003-

04

Gujarat SATCOM Network

2007-

08

Centre for Geo-informatics Applications

2010-

Academy of Geo-informatics for Sustainable

11

2012-13

Development

A full-fledged Campus

BISAG
ISO 9001:2008
ISO 27001:2013
CMMI Level-5

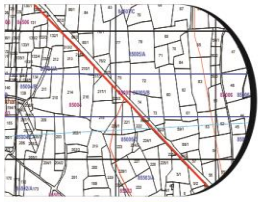
Activities

Satellite Communication..

for promotion and facilitation of the use of broadcast and teleconferencing networks for distant interactive training, education and extension.

Remote Sensing..

for Inventory, Mapping, Developmental planning and Monitoring of natural & man-made resources.

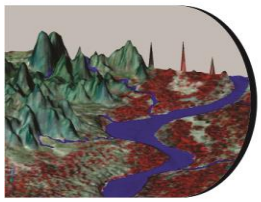


Geographic Information System..

for conceptualization, creation and organization of multi purpose common digital database for sectoral/integrated decision support systems.

Global Navigation Satellite System..

for Location based Services, Geo-referencing, Engineering Applications and Research.



Photogrammetry..

for Creation of Digital Elevation Model, Terrain Characteristic, Resource planning.

Cartography..

for thematic mapping, value added maps.

Software Development..

for wider usage of Geo-spatial applications, Decision Support Systems (desktop as well as web based), ERP solutions.

Education, Research and Training..

for providing Education, Research, Training & Technology Transfer to large number of students, end users & collaborators.

Applications of Geospatial Technology for Good Governance: Institutionalization

Through the geospatial technology, the actual situation on the ground can be accessed. The real life data collected through the technology forms the strong foundation for development of effective social welfare programs benefiting directly the grass root level people. The geospatial data collected by the space borne sensors along with powerful software support through Geographic Information System (GIS), the vital spatio-temporal maps, tables, and various statistics are being generated which feed into Decision Support System (DSS).

A multi-threaded approach is followed in the process of institutionalization of development of such applications. The 5 common threads which run through all the processes are: *Acceptability, Adaptability, Affordability, Availability and Assimilability*. These are the "Watch Words" which any application developer has to meet. The "acceptability" addresses the issue that the application developed has met the wide acceptability among the users departments and the ultimate end beneficiary by way of providing all necessary data and statistics required. The "affordability" addresses the issue of the application product being cost effective. The "availability" aspect looks into aspect of easily accessible across any platform, anywhere and anytime. The applications should have inbuilt capability of easy adaptability to the changing spatio- and temporal resolutions of data, new aspects of requirements arising from time to time from users. The assimilability aspect ensures that the data from various sources / resolutions and technologies can be seamlessly integrated.

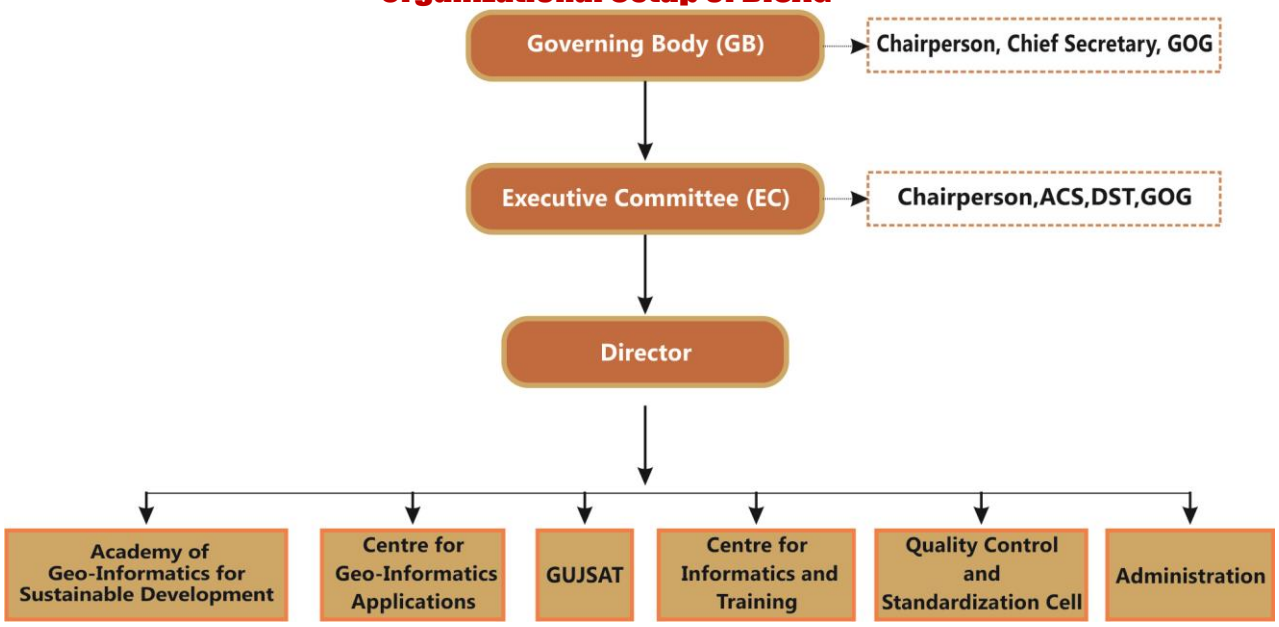
ACCEPTABILITY	▪ Problem definition by users • Proof of Concept development without financial liability on users ▪ Execution through collaboration under user's ownership
ADOPTABILITY	▪ Applications as per present systems & database ▪ Maximum Automation ▪ Minimum capacity building requirement at the user end
AFFORDABILITY :	▪ Multipurpose geo-spatial database, common, compatible, standardized (100s of layers)

	▪ In house developed/open source software ▪ Full Utilization of available assets
AVAILABILITY:	▪ Departmental /Integrated DSS ▪ Desired Product delivery anytime, anywhere in the State
ASSIMILABILITY	▪ Integration of Various technologies like RS, GIS, GPS, Web MIS, Mobile etc.

Organizational Setup

The Institute is responsible for providing information and technical support to different Departments and Organizations. The Governing Body and the Empowered Executive Committee govern the functioning of BISAG. The Institute is registered under the Societies Registration Act 1860. Considering the scope and extent of activities of BISAG, its organizational structure has been charted out with defined functions.

Organizational Setup of BISAG



Governing Body

For smoother, easier and faster institutionalization of Remote Sensing and GIS technology, decision makers of the state were brought together to form the Governing Body. It is the supreme executive authority of the Institute. The Governing Body comprises of ex-officio members from various Government departments and Institutes.

Secretary means : Additional Chief Secretary / Principal Secretary / Secretary of Respective Department of Government of Gujarat

- Chief Secretary, Government of Gujarat ..... Chairperson
- Secretary, Science and Technology .....Member
- Secretary, Finance Department .....Member
- Secretary, Education Department .....Member
- Secretary, Revenue Department.....Member
- Secretary, Panchayats, Rural Housing and Rural Development Department.....Member
- Director, Space Applications Center, ISRO, Ahmedabad.....Member
- Dr. George Joseph, Former Director, SAC, ISRO, Ahmedabad.....Member
- Vice Chancellor, Gujarat University, Ahmedabad .....Member
- Chief Executive Officer, Gujarat Infrastructure Development Board .....Member
- Jt. Secretary..... Invitee
- Director, BISAG ..... Member Secretary

Centre for Geo-informatics Applications

Introduction

The objective of this technology group is to provide decision support to the sectoral stake holders through scientifically organized, comprehensive, multi-purpose, compatible and large scale (village level) geo-spatial databases and supporting analytical tools. These

activities of this unit are executed by a well-trained team of multi-disciplinary scientists. The government has provided a modern infrastructure along with the state-of-the-art hardware and software. To study the land transformation and development over the years, a satellite digital data library of multiple sensors of last twenty years has been established and conventional data sets of departments have been co-registered with satellite data. The geo-spatial databases have been created using conventional maps, high resolution satellite 2D and 3D imagery and official datasets (attributes).The geo-spatial databases include terrain characteristics, natural and administrative systems, agriculture, water resources, city survey maps, village maps with survey numbers, water harvesting structures, water supply, irrigation, power, communications, ports, land utilization pattern, infrastructure, urbanization, environment data, forests, sanctuaries, mining areas, industries. They also include social infrastructure like the locations of schools, health centers, institutions, aganwadies, local government infrastructure etc. The geospatial database of nagar-palikas includes properties and amenities captured on city and town planning maps with 1000 GIS layers. Similar work for villages has been initiated as a pilot project.

The applications of space technology and geo-informatics have been operational in almost all the development sectors of the state. Remote sensing and GIS applications have provided impetus to planning and developmental activities at grass root level as well as monitoring and management in various disciplines.

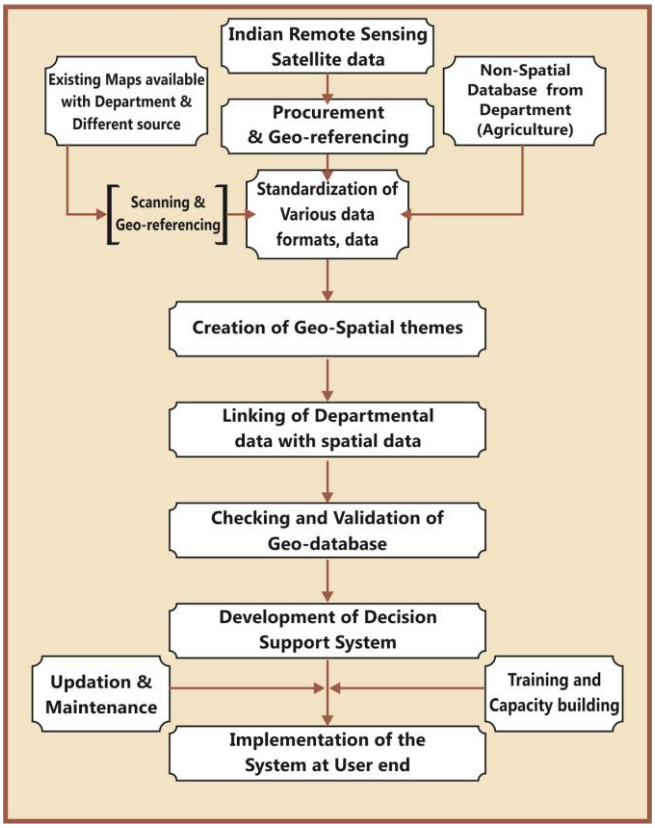
The GIS based Applications Development

The GIS software is a powerful tool to handle, manipulate and integrate both the spatial and non-spatial data. The GIS system operates on the powerful backend data base and Sequential Query Language (SQL) to inquiry the data bases. It has the capability to handle large volume of data and process to yield values of parameters which can be input to very important government activity as Decision Support System (DSS). Its mapping capabilities help the users and specialists in generating single and multi-theme wise maps.

The GIS based applications development has been institutionalized in BISAG. This process can be listed as (Refer Figure for Details)

- Making the users aware of the GIS capabilities through introductory training programme and by exposing to already developed projects as success stories.
- Helping the users in defining the GIS based projects.
- Digitizing the data available with the users and encouraging them to collect any additional data as may be required.
- Generating the appropriate data bases with the full involvement of the users following the data bases standards

Concept of Departmental GIS



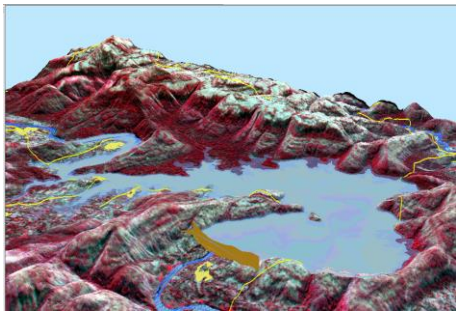
Remote Sensing and GIS Sectoral Applications:

Geo-informatics based Irrigation Management and Monitoring System

- The Geo-spatial information system for Irrigation water Management and Monitoring system for command areas in Sardar Sarovar Narmada Nigam Limited (SSNL) has been developed. Satellite image-based Irrigation monitoring system has been developed in GIS. From the multi-spectral Satellite images of every month, the irrigated areas were extracted.
- The irrigated area were overlaid on the geo-referenced cadastral maps and the statistics of area irrigated has been estimated.
- The user friendly Customized Decision Support System (DSS) has been developed.

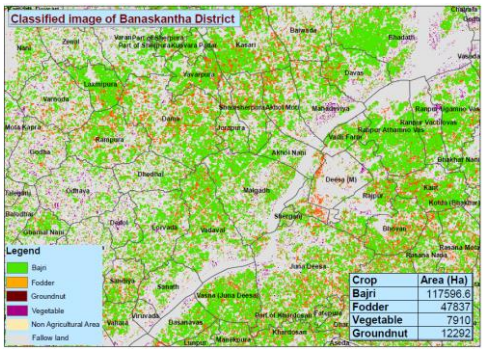
Preparation of DPR of Par-Tapi-Narmada Link using Geo-informatics for National Water development Agency (NWDA)

- The main objective of Par-Tapi-Narmada Link project is to divert surplus water available in west flowing rivers of south Gujarat and Maharashtra for utilization in the drought prone Saurashtra and Kachcha. On the request from NDWA, preparation of various maps for proposed DPR work was undertaken by the BISAG. Land use and submergence maps of proposed dams along with its statistics have been prepared by the BISAG. The detailed work consisted of generation of Digital Elevation Model (DEM), contour generation, Land use mapping, forest area generation of submergence extent at different levels etc.



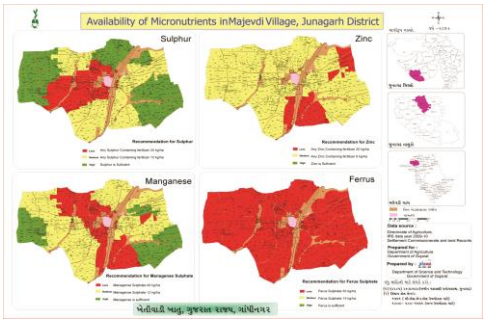
Agriculture

District and Village-level Crop Inventory



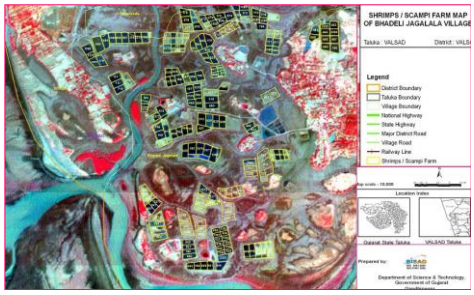
- Remote Sensing (RS) based Village-level Crop Acreage Estimation at was taken up in two villages of Anand and Mehsana districts of Gujarat state. The major objective of this study was to attempt village-level crop inventory during two crop seasons of Kharif (monsoon season) and Rabi (winter season) using single-date Indian Remote Sensing (IRS) LISS-III and LISS-IV digital data of maximum vegetative growth stage of major crops during each season.
- District-level crop acreage estimation during three cropping seasons namely Kharif, Rabi and Zaid (summer) seasons was also carried out in all the 26-districts of Gujarat State. Summer crop acreage estimation Gujarat State was carried out during 2012.

Spatial Variability Mapping of Soil Micro-Nutrients



- The spatial variability of soil micro-nutrients like Fe, Mn, Zn and Cu in various villages of different districts, Gujarat state was mapped using geo-informatics technology. The major objectives of this study were i) to quantify the variability of Mn, Fe, Cu and Zn concentration in soil; ii) to map the pattern of micro-nutrient variability in cadastral maps, iii) suggest proper application of micro-nutrients based on status of deficiency for proper crop management and iv) preparation of village-level atlases showing spatial variability of micro-nutrients.

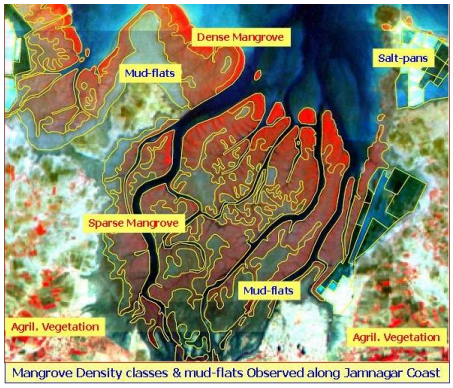
Geo-spatial Information System for Coastal Districts of Gujarat



- The project on development of Village-level Geo-spatial Information System for Shrimp Farms in Coastal Districts of Gujarat, was taken with major objective of development of Village-level Geo-spatial Information System for Shrimp/Scampi areas using Remote Sensing (RS) and GIS. This project was sponsored by the Marine Products Export Development Authority (MPEDA), Ministry of Commerce & Industry, Government of India for scientific management of Scampi farms in the coastal districts which can help fishermen to better their livelihood and increase the economic condition on sustainable basis. The customized query shell was developed using the open source software for sharing the information amongst the officers from MPEDA and potential users. This has helped the farmers to plan their processing and marketing operations so as to achieve better remunerations.

Environment and Forest

Mapping and Monitoring of Mangroves in the Coastal Districts of Gujarat State



Mangrove Density classes & mud-flats Observed along Jamnagar Coast

- Gujarat Ecology Commission, with technical inputs from the Bhaskaracharya Institute for Space Applications and Geo-Informatics (BISAG) made an attempt to publish Mangrove Atlas of the Gujarat state. Mangrove atlas for 13-coastal districts with 35-coastal talukas in Gujarat, have been prepared using Indian Remote sensing satellite images. The comparison of mangrove area estimates carried out by BISAG and Forest Survey of India (FSI) indicates a net increase in the area under mangrove cover. The present assessment by BISAG, has recorded 996.3 sq. km under mangrove cover, showing a steep rise to the tune of 88.03 sq. km. In addition to the existing Mangrove cover, the present assessment also gives the availability of potential area of 1153 sq. km, where mangrove regeneration program can be taken up.

Academy of Geo-informatics for Sustainable Development

Introduction

- Considering the requirement of high end research and development in the areas having relevance of geo-informatics technology for sustainable development, a separate infrastructure has been established. In collaboration with different institutes in the state as well as in the country, R&D activities are being carried out in the areas of climate change, environment, disaster management, natural resources management, infrastructure development, resources planning, coastal hazard and coastal zone management studies, etc. under the guidance of eminent scientists.

- Various innovative methodologies/models developed in this academy through the research process have helped in development of various applications. There

are plans to enhance R&D activities manifold during coming years.

- This unit also provides training to more than 600 students every year in the field of Geo-informatics to the students from various backgrounds like water resources, urban planning, computer Engineering, IT, Agriculture in the areas of Remote sensing, GIS and their applications.

- This Academy has been established as a separate infrastructure for advanced research and development through following schools:
  - School of Geo-informatics
  - School of Climate & Environment
  - School of Integrated Coastal Zone Management
  - School of Sustainable Development Studies
  - School of Natural Resources and Bio-diversity
  - School of Information Management of Disasters
  - School of Communication and Society

During XIIth Five year Plan advance applied research through above schools shall be the main thrust area. Already M. Tech and Ph.D. students of other Universities/ Institutes are doing research in this academy in applied sciences under various collaborative programmes.

M. Tech. Students' Research Programme

The academy started M. Tech. students' research programme in a systematic way. It admitted 11 students from various colleges and universities in Gujarat, Rajasthan and Madhya Pradesh for period of 10 months from August 2011 to May 2012. All the students were paid stipend of Rs. 6000 per month during the tenure. The research covered the following areas:

- Cloud computing techniques
- Mobile communication
- Design of embedded systems
- Aquifer modeling
- Agricultural and Soils Remote Sensing
- Digital Image processing Techniques (Data Fusion and Image Classification).

The research resulted in various dissertations and publications in national and international journals.

- Now nine students, one from IIT, Kharagpur, three from GTU, one from M. S University, Vadodara and four from GU, are undergoing their Ph. D programme. Out of nine, two thesis have been submitted. Two students are from abroad. One each from Vietnam and Yemen. Since then (after approval of research programme from the Governing Body), 200+ papers have been published by the Academy

CANDIDATE'S DECLARATION

We declare that Summer Internship report entitled "**Internship Management System using PHP**" is our own work conducted under the supervision of the external guide **Vishal Patel** from BISAG (Bhaskaracharya Institute for Space Applications & Geo-informatics).We further declare that to the best of my knowledge the report for Summer Internship does not contain part of the work which has been submitted for the award of Bachelor Degree either in this or any other university without proper citation.

Candidate 1's Signature

Rohan Jethloja

Student ID: 17CE037

Candidate 2's Signature

Rutvik Jakasaniya

Student ID: 17DIT015

Candidate 3's Signature

Chirag Padaliya

Student ID: 17DCE032

Candidate 4's Signature

Yash Bhalani

Student ID: 17CE007

Submitted To:

Charotar University of Science & Technology,

Changa, Anand

ACKNOWLEDGMENT

We are grateful to **T.P.Singh**, **Director (BISAG)** for giving us this opportunity to work the guidance of renowned people of the field of MIS Based Portal also providing us with the required resources in the company.

We would like to express our endless thanks to our external guide **Vishal Patel**, And Admin Staff **Mr.Saurabh Bhabhor** and **Mr.Sidhdharth Patel** at Bhaskaracharya Institute of Space Application and Geo-informatics for their sincere and dedicated guidance throughout the project development.

Also our hearty gratitude to our Head of Department, **Dr. Amit Ganatra** for giving us encouragement and technical support on the project.

Rohan Jethloja

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Yash Bhalani

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CONTENTS

INTRODUCTION

➢ Project Details

This project "Internship Management system" is a web application, which intends to benefit a lot of individual working organizations. Internships are the way to explore or expend the related knowledge and skills required in a real world situation and experience to enter into a particular career field. So, This project deals with all kind of intern details, personal details, college details, project and duration details, batch details and other resource related details too.

➢ Purpose

The purpose of this project is to allow the administrator of any organization to edit and find out the personal details of an intern and allows the student to keep up to date his profile. It'll also facilitate keeping all the records of students, such as their id, name, mailing address, phone number, DOB etc. So all the information about an student will be available in a few seconds.

➢ Objective

The objective of this project is to benefit some government institutions, other beneficiaries such as organizations providing internship training to the students. Such organizations can maintain & manage intern's personal data and it'll make searching intern records easy. Overall, it'll make Intern Information Management an easier job for the administrator and the student of any organization.

➢ Scope

The scope of this project is that it is developed with the functionalities that can make the management of interns' data easier. Otherwise, managing and maintaining the details of the student is a tedious job for any organization.

Internship Information system will store all the details of the students including their background information, educational qualifications, personal details and all the information related to their resume

Details of Tools Used

➢ Introduction to Visual Studio Code

VS Code is not an IDE like Visual Studio. It is also not a simple code editor with a few commands and syntax highlighting. It sits somewhere in the middle, making it a simple yet powerful tool thanks to the fact that it supports extensions. The main reasons why I considered trying out VS Code for PHP development are:

- It's free and cross-platform (Linux and Apple are also supported).
- It's is way smaller than Eclipse, NetBeans, and other big IDEs.
- It's is more advanced than Notepad++ and other simple code editors.
- It's is well supported by Microsoft and the developer community.
- There are many extensions available for different languages and file formats.
- Those who want to get the newest features first and play with raw bits and bytes of VS Code can download the VS Code Insiders version. It is installed side-by-side with stable versions and they don't conflict with each other.

Besides syntax highlighting, this extension has the following useful features:

- Code completion
- Signature help
- Workspace symbol search
- Find all references
- Go to definition
- Hover

➢ Introduction to PHP

PHP is a server-side coding language. Its functionality lets you create dynamic webpages.

PHP is free, powerful and efficient. These are main advantages over its competitors.

While PHP language is universal overall, it is best suited for web development. There are multiple ways of using PHP when it comes to creating web application.

- Create dynamic content.
- Create, open, write, read, delete, and close files on the server.
- Collect data from forms.
- Receive and send cookies.
- Add and modify database information.
- Perform data encryption.

➢ Introduction to MYSQL server

MySQL is a relational database management system (RDBMS)[1] that runs as a server providing multi-user access to a number of databases. MySQL is a popular choice of database for use in web applications and is an open source product. The process of setting up a MySQL database varies from host to host, however we will end up with a database name,user name and password. Before using our database, we must create a table. A table is a section of the database for storing related information. In a table we will set up the different fields which will be used in that table. Creating a table in phpMyAdmin is simple, we just type the name, select the number of fields and click the 'go' button. we will then be taken to a setup screen where you must create the fields for the database.Another way of creating databases and tables in phpMyAdmin is by executing simple SQL statements.We have used this method in order to create our database and tables.

➢ The Apache HTTP Server is a web server software notable for playing a key role in the initial growth of the World Wide Web. In 2009 it became the first web server software to surpass the 100 million web site milestone. Apache is developed and maintained by an open community of developers under the auspices of the Apache Software Foundation. Since April 1996 Apache has been the most popular HTTP server software in use. As of November 2010 Apache served over 59.36% of all websites and over 66.56% of the first one million busiest websites

- XAMPP is a small and light Apache distribution containing the most common web development technologies in a single package. Its contents, small size, and portability make it the ideal tool for students developing and testing applications in PHP and MySQL. XAMPP is available as a free download in two specific packages: full and lite. While the full package download provides a wide array of development tools, XAMPP Lite contains the necessary technologies that meet the Ontario Skills Competition standards.The light version is a small package containing Apache HTTP Server, PHP, MySQL, phpMyAdmin, Openssl, and SQLite.

SYSTEM ANALYSIS

➢ Requirement Of System

Nowadays, Internships are the way to explore or expend the related knowledge and skills required in a real world situation and experience to enter into a particular career field. Its basically for undergraduate student, or a trainee, this not only for gaining experience, but also expose them to fine if they a totally interest in the field.

In case of manual system they need a lot of time, manpower etc. Here almost all work is computerized. So the accuracy is maintained. Maintaining backup is very easy. It can be done in a few minutes.

➢ Functional Requirement

Requirement 1: Student Registration

I/P: New interns has to provide appropriate details to the admin to get registered.

O/P: Data of interns will be stored in table in database.

Requirement 2: Admin Login

I/P: Admin has to enter correct credentials to get access of managing and manipulating interns' information.

O/P: Admin will be redirected to the main dashboard.

Requirement 3: Updation

I/P: Admin can update the details of any intern with simple "UPDATE" button that will be redirected to a form with existing details where they can change any details.

O/P: Updated information will be reflected in the database.

Requirement 4: Deletion

I/P: Admin can delete the details of any intern with simple "DELETE" button that will delete the whole details of respective intern.

O/P: . Updated information will be reflected in the database.

Requirement 5: Search Filteration

I/P: Admin can search details of any intern with the help of different fields like name,id etc.

O/P: . Required information will be shown to the admin

➢ Non- Functional Requirement :

Requirement 1: Performance

The proposed system that we are going to develop will be used as the Chief performance system for providing help to the organization in managing the whole database of the student studying in the organisation. Therefore, it is expected that the database would perform functionally all the requirements that are specified.

Requirement 2: Safety

The database may get crashed at any certain time due to virus or operating system failure. Therefore, it is required to take the database backup.

Requirement 3: Security

We are going to develop a secured database. There are different categories of users namely Administartor ,Student who will be viewing either all or some specific information form the database. Depending upon the category of user the access rights are decided. It means if the user is an administrator then he can be able to modify the data, append etc. All other users only have the rights to retrieve the information about database.

➢ Feasibility Study

○ Technical Feasibility

This project is complete web based application. The main technologies and tools that are associated with this project are

➔ Tools

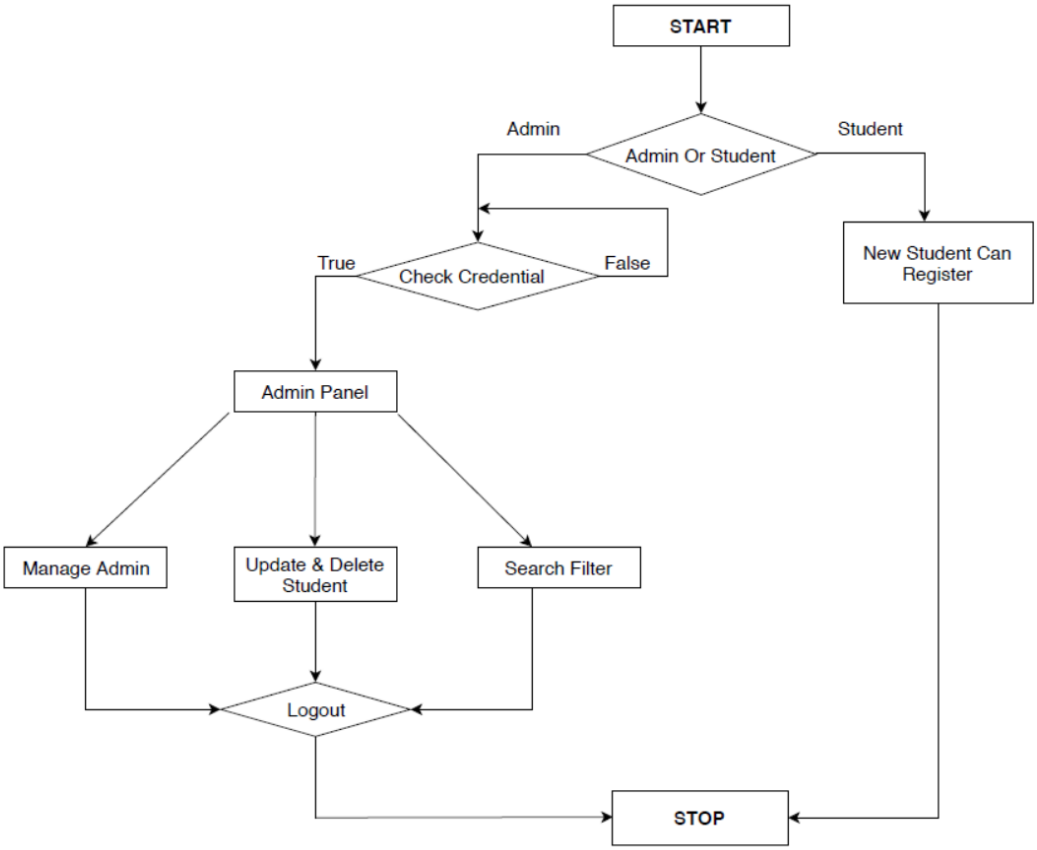
- Visual Studio Code
- Xampp 7.3.0

○ Operational Feasibility

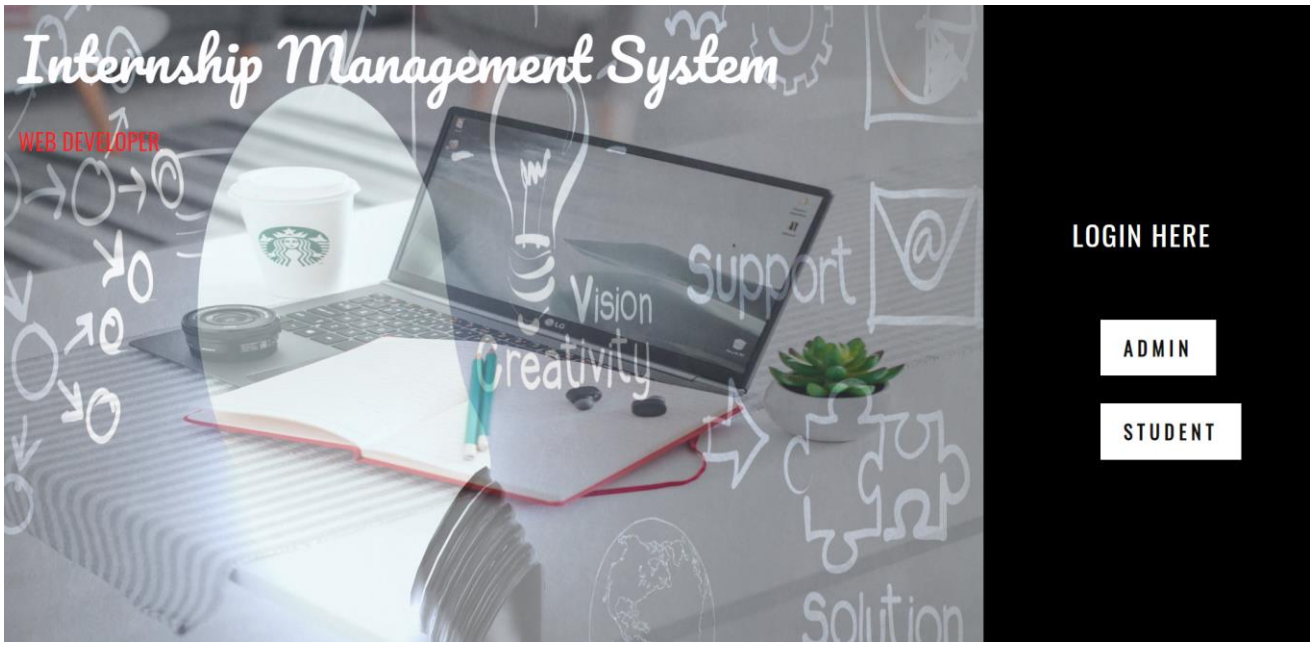
This project contributes to the overall objectives of the organization. Our organization BISAG (Bhaskaracharya Institute of Space Applications and Geo-informatics) solely deals with manipulation of data, and thus our application is of much use to the organization. Our project can even be integrated with the already existing software. Also this project is open source so there is no external issues or legal issues.

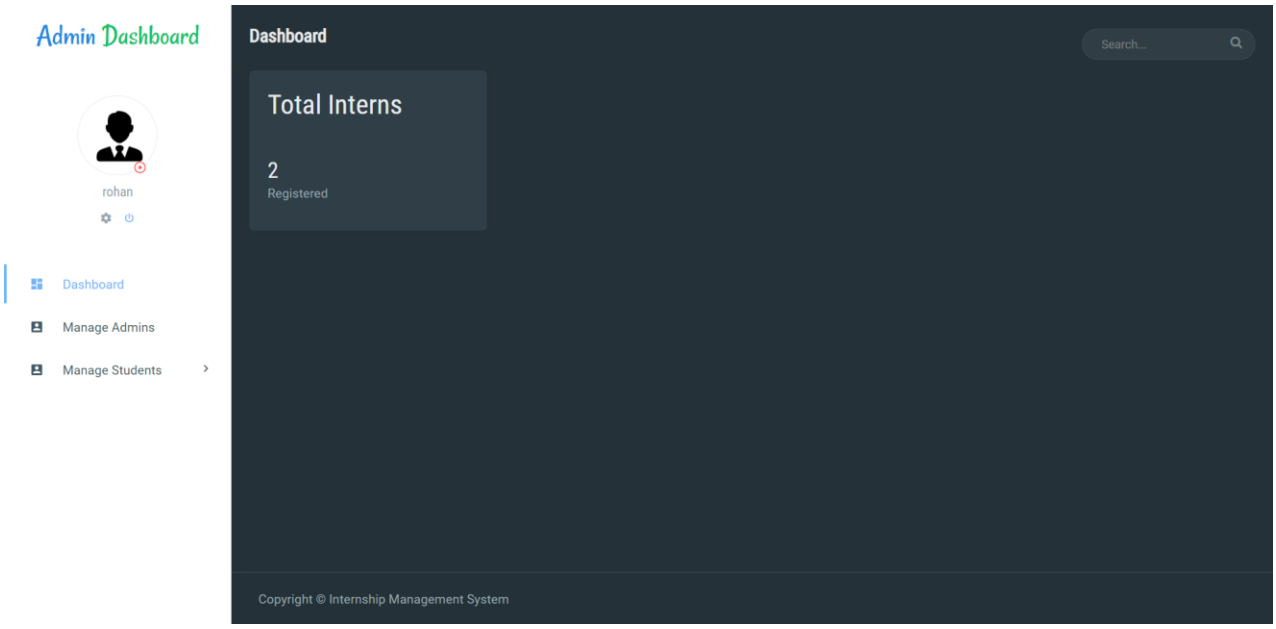
System Design

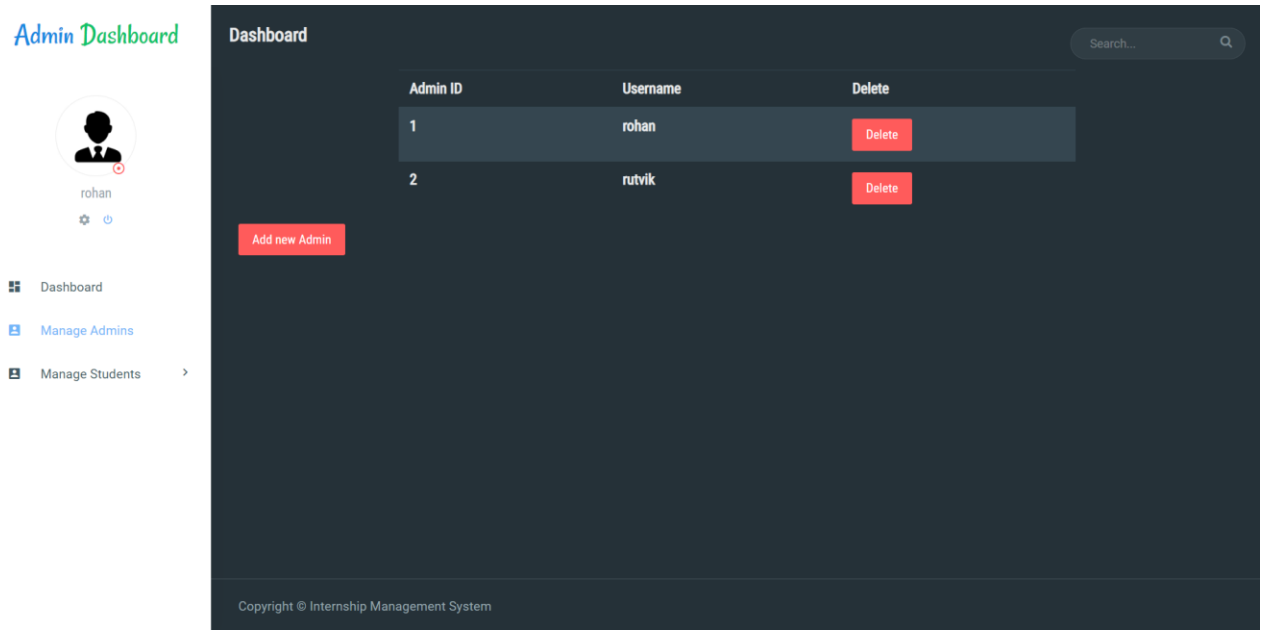
System flowchart

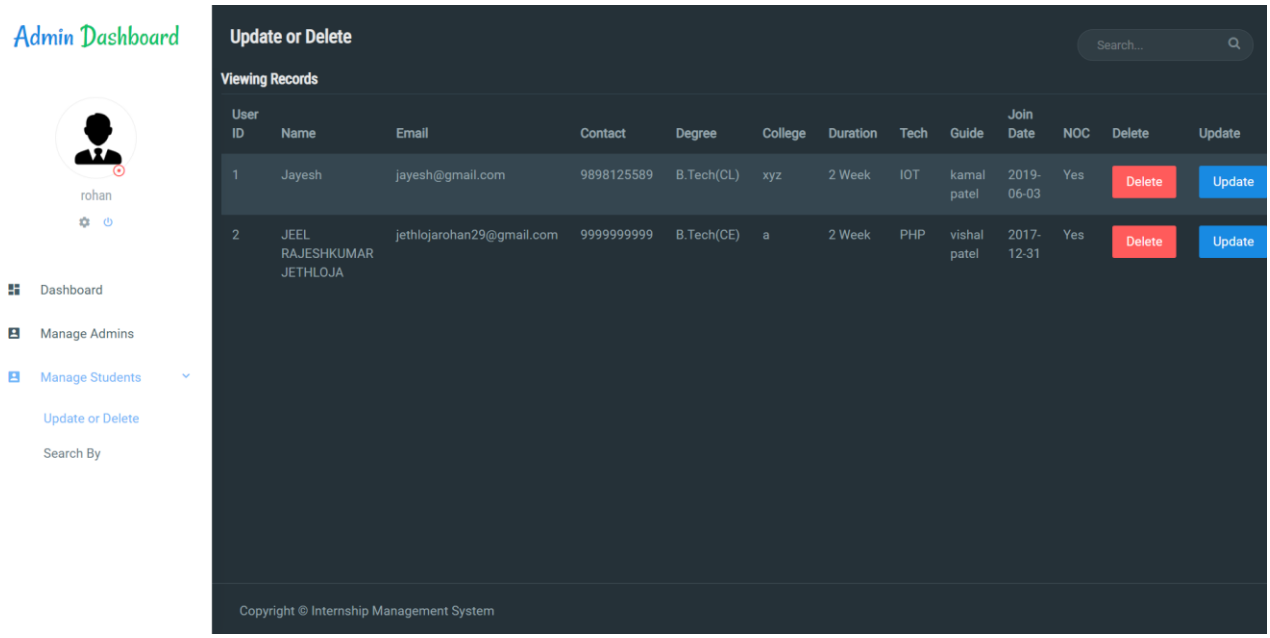


Screenshots






Admin Dashboard
rohan
Dashboard
Manage Admins
Manage Students
Dashboard
Search...
Admin ID
Username
Delete
1
rohan
Delete
2
rutvik
Delete
Add new Admin
Copyright © Internship Management System


Admin Dashboard
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Viewing Records
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1
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jayesh@gmail.com
9898125589
B.Tech(CL)
xyz
2 Week
IOT
kamal patel
2019-06-03
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2
JEEL RAJESHKUMAR JETHLOJA
jethlojarohan29@gmail.com
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B.Tech(CE)
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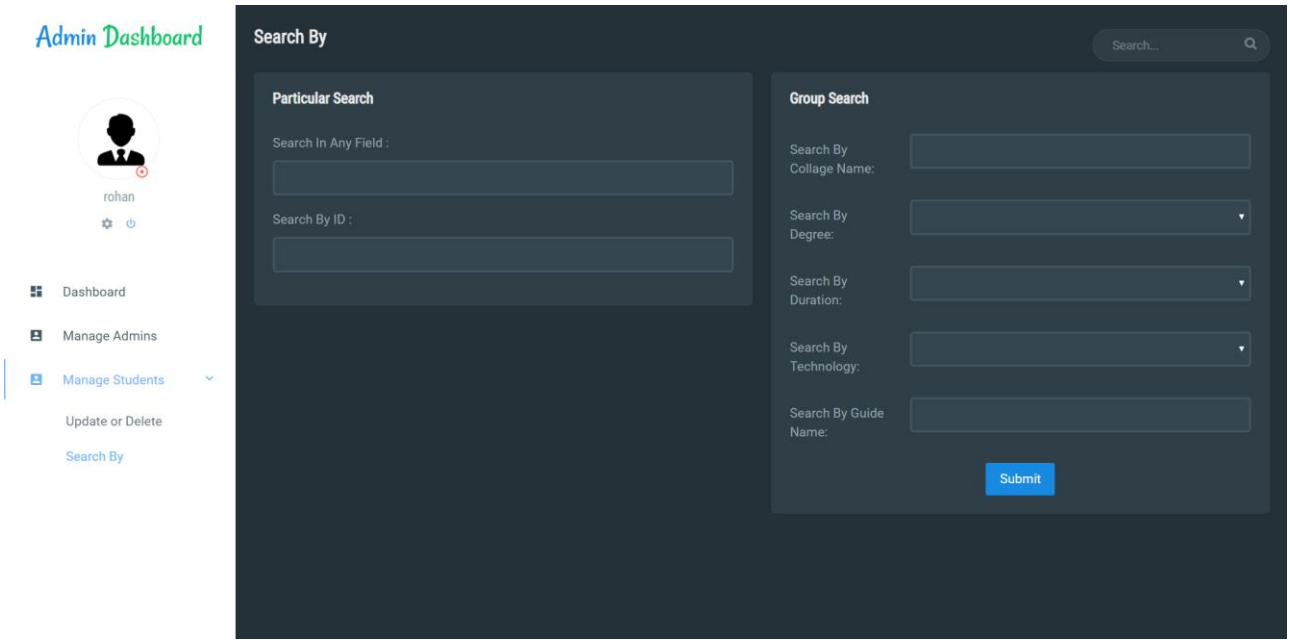
PHP
vishal patel
2017-12-31
Yes
Delete
Update
Copyright © Internship Management System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Search By Degree:
Search By Duration:
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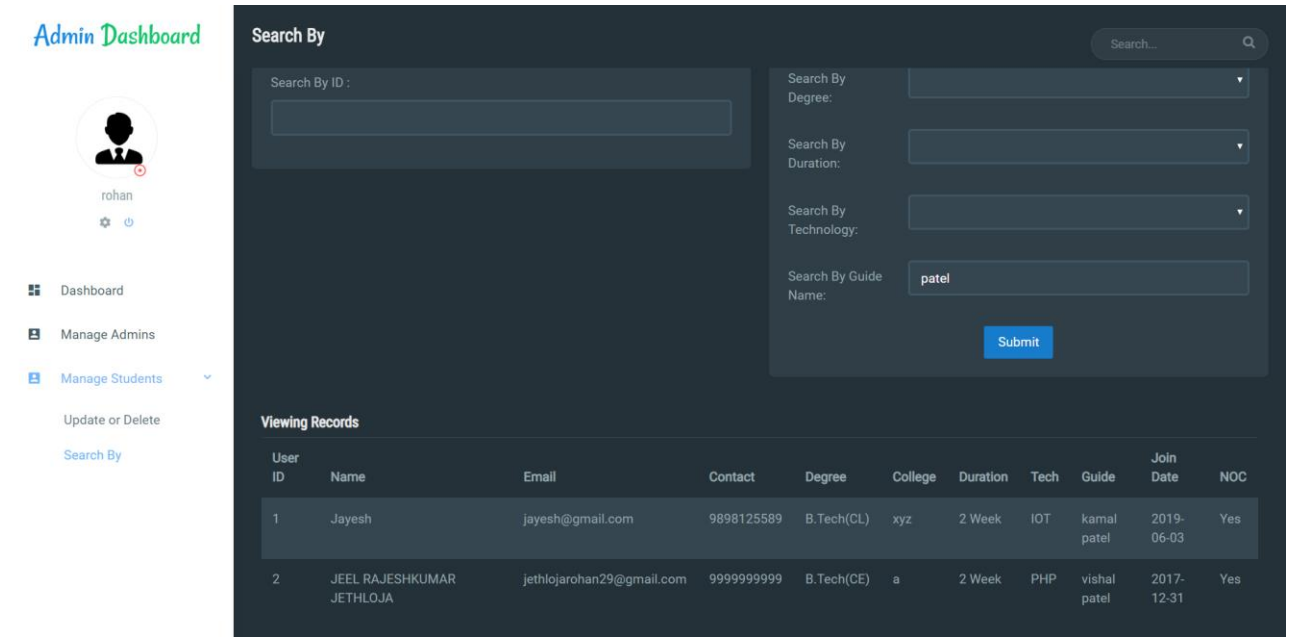
Search By Guide Name:
Submit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jayesh@gmail.com
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kamal patel
2019-06-03
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jethlojarohan29@gmail.com
9999999999
B.Tech(CE)
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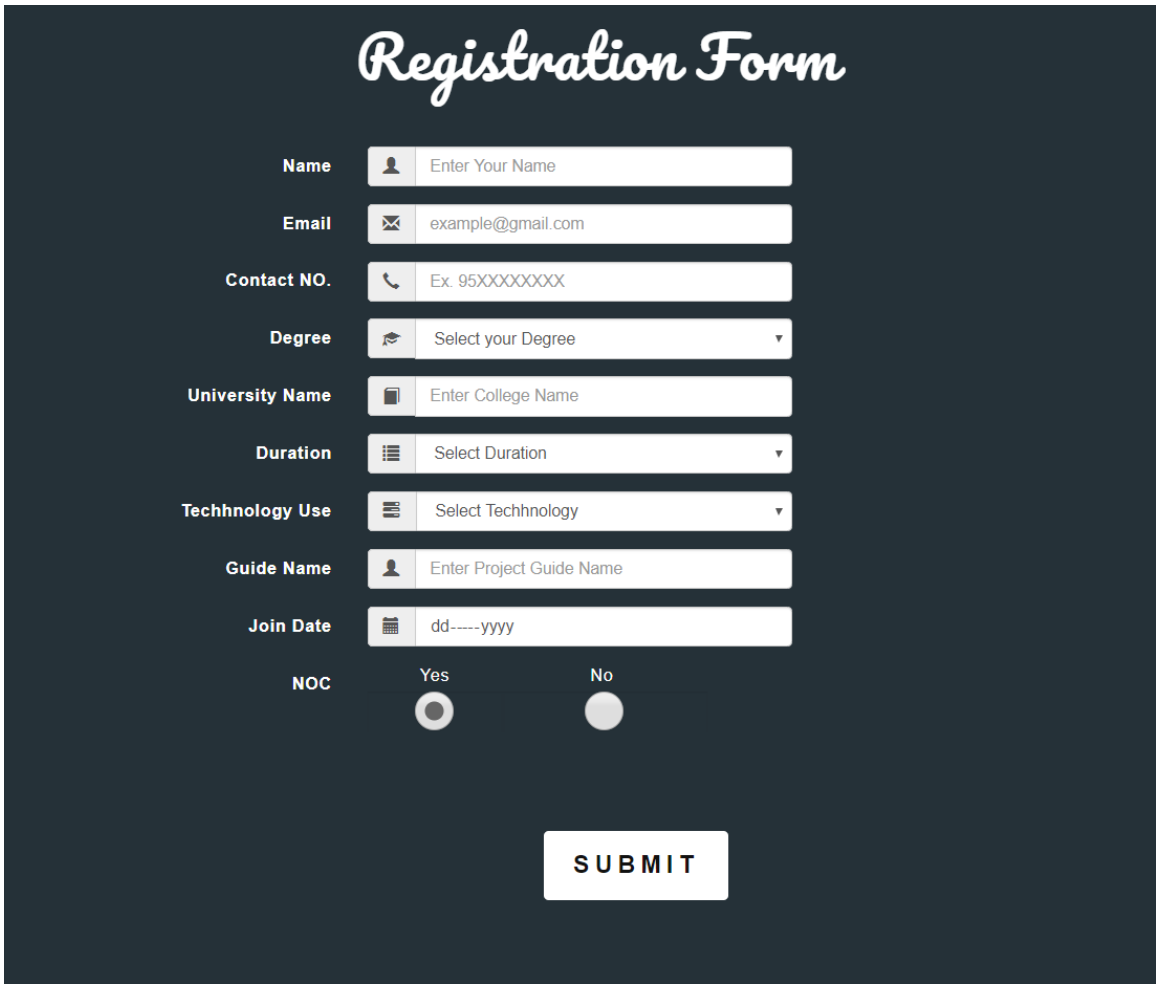
PHP
vishal patel
2017-12-31
Yes


Registration Form
Name
Enter Your Name
Email
example@gmail.com
Contact NO.
Ex. 95XXXXXXXX
Degree
Select your Degree
University Name
Enter College Name
Duration
Select Duration
Techhnology Use
Select Techhnology
Guide Name
Enter Project Guide Name
Join Date
dd-----yyyy
NOC
Yes
No
SUBMIT

System Testing

- Before actually implementing the new system/software into operations, a test run of the system/software is done removing all the bugs, if any. It is an import Phase of a successful system. In the system/software testing stage, we check the overall behavior of the system/software against the functional and the performance requirements. There are two type of testing:
- White – box: Internal part (code) of the project is tested.
- Black -- box: System behavior (input/output) is checked.

Test suite 1: Sign Up

Sr. No.	Test case	Test data	Expected result	Actual result	Status (Pass/Fail)
1.	User should be able to sign up successfully	Name	Should only accept alphabets	Accepts only alphabets	Pass
2.	User should be able to sign up successfully	Contact Number	Should accept only 10 digits	Accepts only 10 digits	Pass
3.	User should be able to sign up successfully	Email id	Should accept email as regular expression	Accepts email id as per regular expression	Pass
4.	User should be able to sign up successfully	Join date	Should accept date as regular expression-mm/dd/yyyy	Accepts accept date as regular expression-mm/dd/yyyy	Pass
5.	User should be able to sign up successfully	NOC (submitted or not?)	Should be selected either yes or no	Accepts either yes or no	Pass
6.	User should be able to sign up successfully.	Degree & Technology selection	Should be selected one of the available options	Accepts one of the available options	Pass

Test suite 2: Managing intern data

Sr. No.	Test case	Test data	Expected result	Actual result	Status (Pass/Fail)
1.	User should be able to visualise as per click events	UPDATE button	Should be able to update any details of intern	Admin is able to update details of intern	Pass
2.	User should be able to visualise as per click events	DELETE button	Should be able to delete the record of any intern	Admin is able to delete any of the intern's record	Pass
3.	User should be able to visualise as per click events	Search by Id	Should be able to see the details of Any Intern by entering his/her ID.	Admin is able to see the details of Any Intern with given ID.	Pass
4.	User should be able to visualise as per click events	Group search	Should be able to see the details of any intern by entering one or more fields together.	Admin is able to see the details of any intern by entering one or more fields together	Pass

Test suite 3: Admin Login

Sr. No.	Test case	Test data	Expected result	Actual result	Status (Pass/Fail)
1.	Admin should be able to login successfully	Username	Should accept name if available in database	Accepts name if already available in database	Pass
2.	User should be able to login successfully	Password	Should accept password if available in database	Accepts password if already available in database	Pass

Test suite 4: Managing Admin

Sr. No.	Test case	Test data	Expected result	Actual result	Status (Pass/Fail)
1.	New Admin should be added.	"ADD NEW ADMIN" button	Should accept username & password to get the new admin registered	Accepts username & password to get the new admin registered	Pass

Limitation And Future Enhancement

➢ Limitations:

- The distilled definition of a responsive web design is that it will fluidly change and respond to fit any screen or device size.But, that doesn't work in our project sometimes.That's one of the limitations of our project.

➢ Future Enhancements:

- We would like to add new features that can track the daily activity of intern regarding project work.
- Attendance record of intern will be the major focus in the future enhancement.

Conclusion

It was a wonderful and learning experience for me while working on this project took me through the various phases of project development and gave me the real insight into the world of software engineering. The joy of working and thrill involve while tackling the various problems and challenges gave me a feel of developer industry. Web developed will help organization to manage interns record in easier manner. Depending on various fields, admin is able to search for any particular record of intern. This functionality will prove very fruitful and less time-consuming.

Bibilography

Fundamentals of database and front end: http://www.javaknowledge.info/login-and-registration-example-in-jsp-with-session/

PHP-mysql: https://www.eduonix.com/courses/Web-Development/Learn-PHP-and-MySQL-Developm

https://www.w3schools.com/php7/default.asp

https://www.javatpoint.com/php-tutorial

https://www.geeksforgeeks.org/php/

https://www.tutorialspoint.com/php/

Bhaskaracharya Institute for Space Applications and Geo-informatics

Department of Science & Technology

Government of Gujarat

Phone: 079 - 23213081 Fax: 079-23213091

E-mail: info@bisag.gujarat.gov.in, website: www.bisag.gujarat.gov.in

ISO 9001:2008
ISO 27001:20013
CMMI LEVEL-5

Report Verification Procedure

Date:13/06/2019

Project Name: Internship Management System

Student Name & ID: 1. Bhalani Yash (17CE007)

2. Jethloja Rohan(17CE037)

3. Jakasaniya Rutvik(17DIT015)

4. Padaliya Chirag(17DCE032)

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