

Smart Nellore Handy: A Centralized System for Storing and Managing Significant Area Related Information

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Abstract---The official website <http://nellore.ap.nic.in> for Nellore district provides the basic and official information of Nellore district. To access information like educational systems, medical systems or any address of hotel etc, different websites are used or have to call any friends for the information. To overcome such problems, GIST Forum is created, which will act like a common group to all GIST students, faculty and management. Any GIST associate can login to this module and add useful information. Android app is created for the GIST forum, so that by using this app information is shared between students and faculty.

Keywords: GIST Forum handy, Responsive design

I.INTRODUCTION

As the India is moving towards Digital world, it is better to have a website that gives useful information like different educational systems, hospitals, tourism etc of Nellore district at one place. So this website that we are creating will give the detailed information of Nellore city.

The site will have different screens to show Gallery, Educational info like Engineering, Medical & Degree colleges, Addresses of useful places like Hotels, Schools, shops etc. In addition anybody can add address of their business into website which will help as a promotion of their business.

A separate module called **GIST Forum** is created which will acts like a common group to all GIST students and faculty. Any GIST associate can login to this module and add useful information like "III-2 results released" and all others can see the same update and respond with their comments.

Another feature of this site is **Responsive Design**, which means the same website can be used irrespective of the device like mobile, tablet, laptop or desktop etc. The site will automatically acts as per device.

In addition, GIST Forum module is created as an **Android App** where smart phone is most handy device now-a-days. By using this, the students and faculty can be more active on GIST Forum.

II.EXISTING SYSTEM

The official website <http://nellore.ap.nic.in> for Nellore district provides the basic and official information of Nellore district. To access information like educational systems, medical systems or any address of hotel etc, different websites are used or have to call any friends for the information.

The Existing official would not provide total information and other websites are used for getting information.

III.DISADVANTAGES OF EXISTING SYSTEM

- The website that is having early, that could not provide whole data at one place.
- The complete information about Nellore is not located in one website.
- The website of Nellore is still required some additional knowledge to get the website to perform well.
- Mobile viewing of website is having some problems.

IV.PROPOSED SOLUTION

SMART NELLORE HANDY is going to be a solution for all the challenges mentioned in "Existing Facility" section facing by public at present. Create a single website which will give the entire information about Nellore city. For faster development and easier maintenance of website "**Asp.Net MVC**" technology is used. To make the website responsive for all devices like mobile, tablet, laptop or desktop etc, latest design called **Bootstrap** responsive design is designed into website user interface. For sharing any useful information to GIST associates at one shot, a forum kind of module called as "GIST Forum" is created.

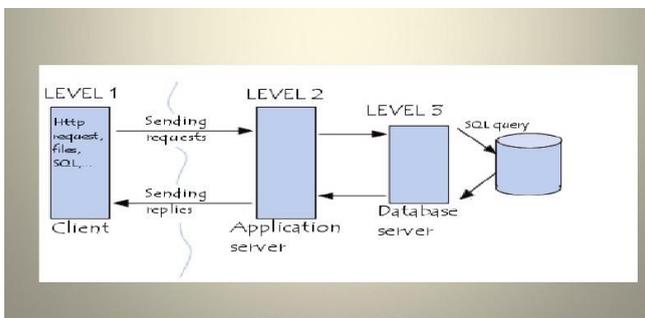
To make the GIST Forum secured to GIST associates alone, an authentication section is provided where the users need to enter credentials before using GIST Forum. To make it simple the user need not to be registered instead the credentials will be "User name is user Employee Id or Roll Number. Password is user first name followed by date of birth in DD-MM-YYYY format as per GIST records. Data entry will be done from GIST system to site Database. To make the GIST Forum handier, Android app is created for GIST Forum module alone and will share with all GIST associates (Students, Faculty & Management) and the same can be downloaded by individuals in their mobiles and start posting the information.

V.ADVANTAGES OF PROPOSED SOLUTIONS

- The website that are creating having responsive design.
- This website is relatively inexpensive means of advertising.

- This website is accessed by anyone, anywhere and anytime but GIST Forum would access only to GIST associates and students.
- This website is super flexible, excellent user experience, cost effective, easy to manage, effective in advertising.
- GIST Forum is a android app that would have access only GIST family.
- The GIST students or associates have to enter credential details to login into their forum the password is in the form of name and date format DD-MM-YYYY. This format would not be changed.
- Once you enter your credential details the user entered data is checked with database. If both are matched, then authorized user could provide access to their forum.

VI. SYSTEM ARCHITECTURE



In this architecture, there is an intermediately level where the architecture is generally split up between:

- A client, that is the computer which request the resources equipped with a user interface for presentation purposes
- The Application server, whose task is to provide the requested resources, but but by calling on another server
- The data server, which provides the application server with the data it requires.

IV.LAYOUT DESCRIPTION

Header – Website Header

Marquee - Scroll welcome text

Left Navigation bar - Static text in desktop view & Button dropdown in mobile view

- Home page of website
In home page of website, overview of Nellore information will be displayed. So user can access significant area related information from home page.
- Gallery: Basic gallery of Nellore city with a set of pictures. Which have pictures like famous temples ,colleges ,railway station, famous dishes etc.,
- Education:
 - **Engineering:** The list of Engineering colleges and some basic info about same with in Nellore City and surroundings.Which provide links for complete information.
 - **Medical:** The list of Medical colleges and some basic info about same with in Nellore City and

surroundings. Which provide links for complete information

- **Degree:** The list of Degree colleges with address and Phone details of same with in Nellore City and surroundings
- **Addresses:** We are providing a page to search for address of any particular place with in Nellore city like Bustands, Railway stations, Shops, Restaurants, Hospitals etc.
- **Add Address:** Any body can add their business address here so that it will be a kind of marketing their business.
- **GIST Forum:** For sharing any useful information to GIST associates at one shot, we will create a forum kind of module called as “GIST Forum”. To make the GIST Forum handier, Android app for GIST Forum module is created. It will have a login page and followed by discussion forum upon login success.
- **About Us:** A brief description about the website
- **Contact Us:** This page will display key member’s information of project. From "Contact Us" page you can share your valuable comments or suggestions to improve our service.
- Sponsors - This section will have list of adds/sponsors of website
- Body – Body section is to load corresponding page depends on selection in left navigation bar

Note: The whole design is implemented by using bootstrap styles so that the entire website is fully responsive. Means, we can use same website in any device like desktop, laptop, tablet, mobile etc.

V. HOME PAGE DESCRIPTION

- Default page of website
- Basic information about Nellore city & Surroundings
- Two sample images
- Link for official website of Nellore district

VI. GIST FORUM ANDROID APP

The GIST Forum **Android App** is created, to make the GIST Forum handier. The smart phone is most handy device now-a-days. By using this, the students and faculty can be more active on GIST forum. GIST Forum Android App is used in smart phones, tablets and laptops.

GIST Forum is accessible by GIST Employees or Students only. Username and password details should be entered to authenticate the authorized user.

User name is your Employee Id or Roll Number. Password is your first name followed by date of birth in DD-MM-YYYY format as per GIST records.

VII.CONCLUSION

A beautiful, informative and responsive website called as Nellore Info cum GIST Forum Handy is created. Anybody can add address of their business into website which will help as a promotion of their business. GIST Forum acts like a common group to all GIST students, faculty and management. Any GIST associate can login to

this module and add useful information. Responsive Design - Website can be used irrespective of the device like mobile, tablet, laptop or desktop etc. GIST Forum module as an Android App - Smart phone is a most handy device now a days.

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