Web Based Platform for Personalized Smart City Services

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Abstract: *Now the smart cities are also approaching towards the development in the tourism point of view. Employment sector is also expanding as many job platforms are developed for the students and job seekers. The proposed system is divided into two parts; one is the tourism model and another is job model respectively. The 1st model of the proposed system is for people who want to make a trip to places they are unaware of and wish to explore the new places. The proposed application helps in recommending a new place by considering the Region of Interest (ROI) of the users. Admin can also manually add the place details like their GPS locations, Nearest visiting places, visiting time, etc. The Second model is for the job seekers and the students who are looking for the job. Here in this module the admin is responsible for posting jobs on platform, and students can see and can apply to the job. Admin also can see the list of students who applied for the job can send the email to the students. The main role of the student is to view the job posted by the admin and too apply for the suitable job as well.*

Keywords: Smart Cities, AES Algorithm, Region of Interest (ROI), GPS Locations

I. INTRODUCTION

With the advent of urbanization, smart cities are being developed to provide a better lifestyle to the population by adopting modern technological advancements. These smart cities rely on the large volumes of data that are used to extract beneficial information. Smart cities (SCs) are built to efficiently manage energy consumption, maintain a green environment, improve the economic and living standards of its citizens, and increase its capabilities to efficiently use and adopt the modern information and communication technology (ICT). Now the smart cities are also approaching towards the development in the tourism point of view. Employment sector is also expanding as many job platforms are developed for the students and job seekers. The proposed system is divided into two parts; one is the tourism model and another is job model respectively. The First model of the proposed system is for people who want to make a trip to places they are unaware of and wish to explore the new places. The proposed application helps in recommending a new place by considering the Region of Interest (ROI) of the users. Admin can also manually add the place details like their GPS locations, nearest visiting places, visiting time, etc. The Second model is for the job seekers and the students who are looking for the job. Here in this module the admin is responsible for posting jobs on platform, and students can see and can apply to the job. Admin also can see the list of students who applied for the job can send the email to the students. The main role of the student is to view the job posted by the admin and too apply for the suitable job as well.

II. IDENTIFY, RESEARCH AND COLLECT IDEA

To provide a better lifestyle to the population by adopting modern technological advancements. To efficiently manage energy consumption, maintain a green environment, improve the economic and living standards of its citizens, and increase its capabilities to efficiently use and adopt the modern information and communication technology (ICT). To recommend a new place by considering the Region of Interest (ROI) of the users

2.1 Research

Bernd Wirtz presents this study is able to predict the preferred type of smart city services. The preferred channels for accessing smart services and the factors fostering SC service usage. The study states a preliminary assessment of SC user preferences setting the scientific groundwork for citizen-centric SC concepts.

2.2 Collect Idea

Smart cities (SCs) are built to efficiently manage energy consumption, maintain a green environment, improve the economic and living standards of its citizens, and increase its capabilities to efficiently use and adopt the modern information and communication technology (ICT).

III. WRITE DOWN YOUR STUDIES AND FINDINGS

All paragraphs must be indented. All paragraphs must be justified, i.e. both left-justified and right-justified.

3.1 Hardware Interfaces

- Processor: 1 gigahertz (GHz) or faster processor or SoC.
- RAM: 1 gigabyte (GB) for 32-bit or 2 GB for 64-bit.
- Hard disk space: 16 GB for 32-bit OS 20 GB for 64-bit OS.

3.2 Software Interfaces

- Eclipse Luna is an open source community whose projects building tools and frameworks are used for creating general purpose application. The most popular usage of Eclipse is as a Java development environment.
- Java 1.8 The Java Development Kit (JDK) is a software development environment used for developing Java applications and applets. It includes the Java Runtime Environment (JRE), an interpreter/loader (java), a compiler(javac), an archiver (jar), a documentation generator (javadoc)and other tools needed in Java development.
- MySql Java web application will require storing large amounts of metadata and keep data organized. Therefore their was a need to host a Java web application with MySQL. It is the safest relational database currently in use makes it ideal for e-commerce sites that handle frequent online transactions and other sensitive data.

3.3 Analysis Models

SDLC Model to be Applied

Iterative SDLC Model The development process of our project start with the requirements to the functional part. The process is repetitive, allowing to make new versions of the product for every cycle.

Testing - The purpose of software testing can be quality assurance, verification and validation or reliability estimation. Testing can be used as a generic metric as well. Software testing is a trade-off between budget, time and quality.

3.4 Figures and Tables

The first step was database design. A complete database i.e MySQL required for the implementation of the project was designed. The second step was project design. The project was designed based on a framework. The framework uses three layers: a. Business entities layer: It identifies all the entities used in the project. b. Business logic layer: This layer operates on the business entity to achieve the goals. c. Data access layer: This layer serves as an interface between Backend and Services.
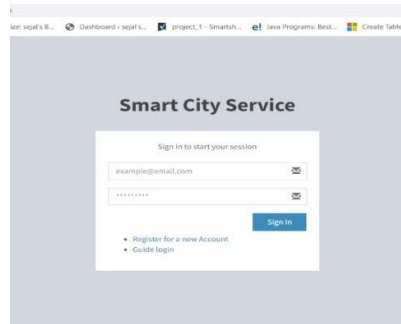

Figure 1: Admin
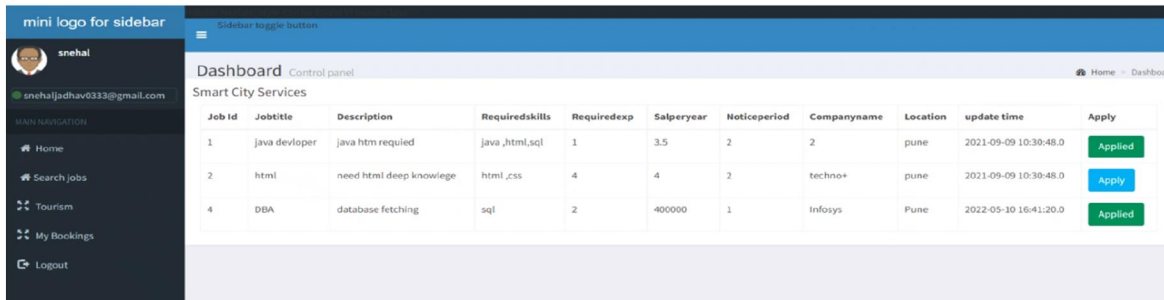
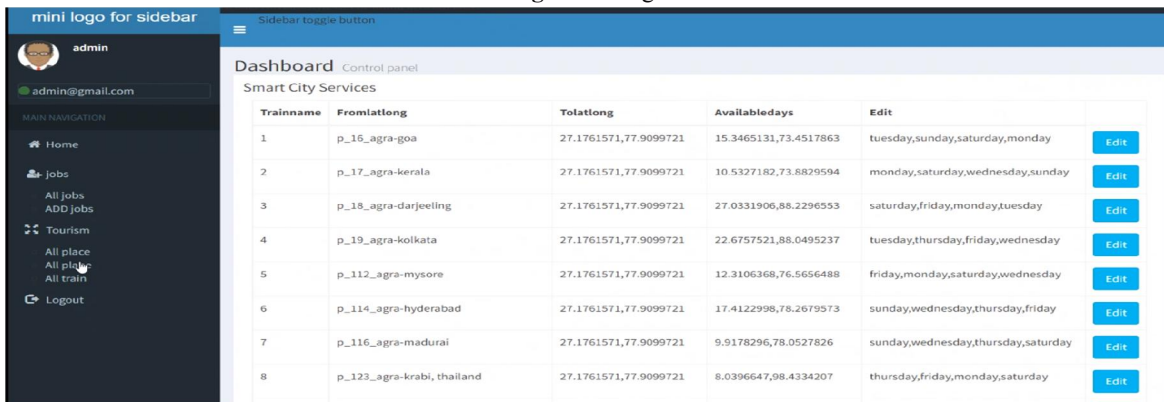**Fig 2.** Login Page

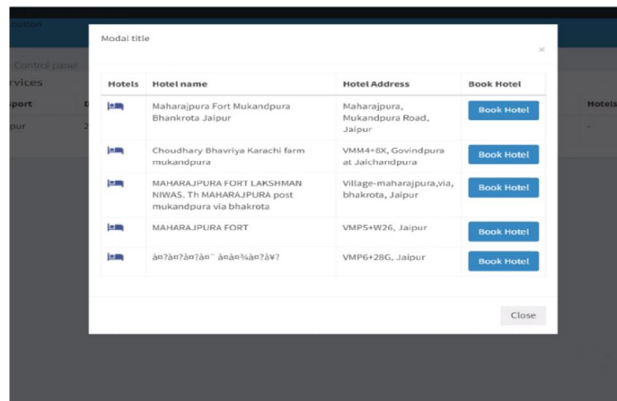**Fig 3.** Job Page

Fig 4. Tourist Page 1

Fig 5. Tourist Page 2

The Second model is for the job seekers and the students who are looking for the job. Here in this module the admin is responsible for posting jobs on platform, and students can see and can apply to the job. Admin also can see the list of students who applied for the job can send the email to the students. The main role of the student is to view the job posted by the admin and too apply for the suitable job as well.

IV. CONCLUSION

Tourism and employment sectors plays an vital role in our day to day life. Employment sector is also expanding as many job platforms are developed for the students and job seekers. The proposed system is divided into two parts; one is the tourism model and another is job model respectively. The First model of the proposed system is for people who want to make a trip to places they are unaware of and wish to explore the new places. The proposed application helps in recommending a new place by considering the Region of Interest (ROI) of the users. Admin can also manually add the place details like their GPS locations, Nearest visiting places, visiting time, etc.

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