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Smart Road Maintenance System

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ABSTRACT: A data system may be a very famous tool during this digital era. People everywhere this world use this tool to urge and share information. Computer based system is one sort of data system that fairly often to use during this era. It touches over all the sides of life now a days. In our country we've government bodies (Municipal Corporation) which are liable for maintaining and running cities. It's all their responsibilities to deal with the complaint of citizens. For this municipal could Corporation has 2 ways, in first cameras or other surveillance devices have to be installed and second way is that citizens report their problem to the municipal corporation. The second way is usually used because it's cheaper as compared to first one. But it takes paper work and time too because the citizens has got to visit the ward office and report problem faced by them which may be solved by municipal corporation or as thanks to the emergence of internet and its various capabilities ,there has been rise within the number of complaint sites which provides citizens a platform to lodge a complaint online. As mobile application is usually employed by people ,this app will help people to lodge a complaint through it and may attach an image of things which are causing problem and location will be tracked using GPS(Global Positioning System).The application also provides a user facility to view status of lodge complaint until is resolved , while online system will help officers at Municipal Corporation to solve/reject complaint with reasons and monitor the status of complaint. The Aim for creating this Application is to simplify the method of lodging complaint to respective Municipal Corporation and make it quick and cheaper.

I. INTRODUCTION

In India we don't have any direct communication between the government and public in an effective way for working the problems i.e. for getting a problem answered in our place we've to buy the officers and get them answered in 2 months which can be answered actually in 1 month of time. In order to overcome this problem preliminarily National Informatics Centre has launched a point named Prajavani through which public can post the desires or complaints in the point and get them answered in a specified time and can also know the status of the complaint or solicitation he has lodged at any time. NIC has launched this point with the thing of Right to Information Act (RTI Act) i.e. furnishing the complete information of a place to the stoner at any time. But it failed in furnishing the complete information to the public and is furnishing only the complaint lodging installation to the public. There are four modules for this system are

 • Admin
 • Department
 • Stoner/ Public
• Supervisor Department

In order to make the thing of NIC (National Informatics Centre) come true we're going to develop a system which will be suitable to give the complete information to the public at any point of time regarding the problems they are facing presently and what's the impact of it and Real- time knowledge visualizations also are suitable to give simply distinguishable returns. Experts generally agree that visualization technologies may be extremely helpful for enterprises that are grasp the massive knowledge development and made to witch out precipitously complicated and multitudinous word sets. As a result of legerity is important in moment's competitive business world, directors got to empower their workforces with period results that may convert data into simply understood sapience as snappily as implicit they are facing currently and what is the impact of it and Real-time knowledge visualizations also are able to give simply distinguishable returns. Experts typically agree that visualization technologies may be extremely helpful for firms that are grasp the massive knowledge development and made to trot out progressively complicated and numerous info sets.

II. PROJECT SCOPE

1. It scope of the project is to be accessed any where in the organization the user can enter his details From any internet.
2. Anti-ragging system.
3. Anticorruption system.

4. Complaint system.

III. MODULE DESCRIPTION

1. LOGIN MODULE:

The main activities in the application are the user login   page for user. The other modules are followed by this login page. This module records only user and password of the user.

2. REGISTRATION MODULE:

Another main function of our proposed system is registration, in order to register with the unique application details such as name; password, email, place and time are required.

3. ADMIN (WEB APP):

- Login: Admin can login in his personal account using id and password.
- Add Department.
- Admin can View all Department edit, delete.
- View All Data: Admin can view all Data.
- Add road maintenance deadline with day wise.
- Add helpline Numbers.

4. DEPARTMENT(WEB APP) :

- Can View complaints.
- Can close complaint with reason or comment
- Can update status
- Will get notification as per schedule added by admin.

5. USER/PUBLIC(WEB APP):

- Can Register & Login.
- Can Complaint with Images / Information with Department.
- View all complaint.
- Comment option on complaint .
- Can check status of complaints.

6. SUPERVISOR DEPARTMENT:

- Supervisor is the who has a valid login id and password.
- View deadline crossed complaint.
- Can Comment on status of complaint Change priority can change.

IV. PROPOSED SYSTEM

The Complaint/ Smart Conservation System is one of the most significant and resource ferocious design in which proposed system the citizen need not go to the government office for getting his problem answered. He can get his problem answered by posting his problem in this proposed system therefore is to encourage and help public sector and he can suggest a possible result to the problems posted on the system. He can indeed get the information of the finances and other details of his place in detail through this system. Our proposed system provides result to being system by extending its installations as follows

- Registration is handed so that officer can break the   problems fluently
- Complete information regarding the place is displayed.
- Can suggest a result for working the problems in a better way,
- Can note on the government's opinions

V. EXISTING SYSTEM

In existing system research may be a long and confusing work, assembling knowledge and modelling information and visualization are often time intense and user have to be compelled to be intimate severally . thanks to the number of information collected on the age and responsibility of the telephone motors, a standard electronic computer program cannot visually represent the data presentation limitations. And, if written out, the spreadsheets would be a banging pile of paper on the director's table. In each cases, the director would pay hours looking out among thousands of rows and columns of information with still no concrete answer to the first question concerning the link between the motor's age and its responsibility.

Screenshot 1

Screenshot 2

VI. CONCLUSION

This system has the advantages of ease of access as it is developed as a non-essential web application so that the administrator can maintain proper communication with his users who can be accessed from anywhere and thus reduce the cost of a communication such. It is easy to use and has the required option that can be used to perform the tasks desired by the user. The application software meets most of the specific information requirements. The system has been designed with current and future needs in mind and has become more flexible. The goals that are achieved by the software are Instant access, improved productivity, Optimum utilization of resources, Efficient management of records, Simplifications of the operations, Less processing time and getting required information, User friendly, Portable and flexible for further enhancement.

VII. FUTURE ENHANCEMENT

Till now we have included all the required features neededby the client.In future we can add more option/ features as needed.
We can implement integration with different data platforms.
We can give practice mode to the end user to make the application more flexible.

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