Design and Development of E-Content for Electrical and Electronic Services

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Abstract- *Design and Development of E-content for Electrical and Electronic (E'n'E) Services is a web tutorial for rectifying the minor bugs occurred in E'n'E goods. This system helps the user in a way that instead of calling the service centre's or traversing physically to the centre's the users can easily resolve the bugs in an easy way by using this. The content provided in this tutorial can be easy to read and understood by the users and it is also tested that it gives robust services to the error goods by the users of their own which greatly reduces the service cost and time. This system provides tutorial in the forms of textual, image, audio and video format which greatly helps the user to resolve their problem. So this system is creating and improves user awareness and servicing about Electrical and Electronic. It is useful one for again and again minor electrical problem affected each user. This learning is very easy user have basic knowledge of internet and English.*

Keywords- Online Servicing Tutorial, Online electrician, Electrical servicing help, Nearby Electrician immediately contact

I. INTRODUCTION

Many people are feared to servicing methods in Electrical and Electronic devices. When users meet small bugs, they are immediately contact the electricians. The problem occurred is very minor problem, but it can easily fixed by users. If they called the electrician they make more charges for the minor problem. There are some websites available in the internet E'n'E websites that helps only the electricians and not for the public. That websites consists major problem and its resolving methods. This system provides tutorial in the forms of text and multimedia format which greatly helps the user to resolve their minor problems too. So this system's main motto is improves user awareness and servicing about Electrical and Electronic devices minor bug solving. It is useful for one again and again minor electrical problem's affected. The learning process of resolving techniques are very easy to user, if they having basic knowledge of internet and English. This system provides how handling safely the electrical devices, short circuit and shocking. In our system avails the methodologies how to check and service ceiling fan, tube light, speaker, mouse, and etc. This system helps to user and also electrician. Electricians can add their personal details with pin code. It is one of the modules. Suppose user having any major problems so they need electrician's help, they easily find out nearby electrician details and able to communicate with them. There was a possibility to user can search by their area pin code to searching available electrician details in their surround. Additionally It is having a feedback system for raising queries and doubt about rectifying E'n'E relevant problems. It will also useful to other users. Users also easily download the tutorial videos and electrical and electronic relevant software's from our websites. Available contents updating and maintenance are done through by admin only.

III. OBJECTIVES & SCOPE

❖ To reduce the cost of Electricians and payments for minor Electrical problems.
❖ To improve user Electrical related knowledge and awareness.
❖ To solve the user electrical minor problem itself.
❖ To get available details of electrician for contact and solve major electrical problems.
❖ Can download software's to know the technique

III. EXISTING SYSTEM

So many e-contents are available for diagnosing major problems of in E'n'E goods. But it contains only the pictorial representation in step by step definitions. Searching for various E'n'E goods are separated in different locations. In the existing system service centers are available only in metropolitan cities like Mumbai, Chennai, and Bangalore etc.

Disadvantages:

❖ The solutions given by the service centers concentrates only on the major problems and they failed to give solutions to small minor problems and tricks / techniques to regain their machines from minor faults through their websites.

❖ Small scale service centers as well as the electricians can't able to promote their service mechanisms among wider range of people.

IV. PROPOSED SYSTEM

Creating the systematic approach like Design and Development of E-content for Electrical and Electronic Services helps to satisfy all the drawbacks of existing systems. The service offers all the definitive explanations about the problems occurred in EE goods with imaginary, video, text level representations. System also having a feature to asking the users own quires. Users will upload their own valuable videos with problem solving mechanisms.
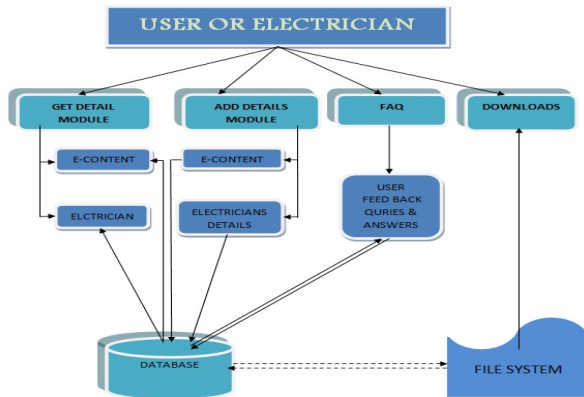
ARCHITECTURE:

Fig.1. System Architecture

V. MODULE DESCRIPTION

GET DETAILS MODULE:

This module is a basic search engine it is use full of collection of minor problem solving techniques. The search is based on categories like Fan, lights, mobile, speaker, etc. The information retrieves from file system which is stored by user. That information has the over step to repair those devices. Suppose user having any major problems so they need electrician's help, they easily find out nearby electrician details and able to communicate with them. There was a possibility to user can search by their area pin code to searching available electrician details in their surround. This provides an employment opportunity for the unemployed electricians.
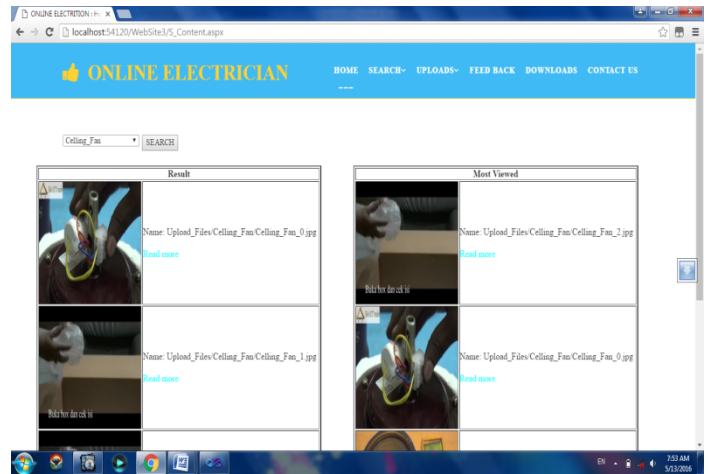

Fig.1.Index module of the Online Electrician website

ADD DETAILS MODULE:

Both user and admin can upload the information database. The upload process contain the following the information Electrical and Electronic relevant text and multimedia that content relevant set categories and it about description. Then it has additional feature such as Electricians can uploads their personal details like name, photo, and mobile no with pin code. Electrician can enrol the information about their experience. That provides and employment opportunity. When user uploaded information that reach the database via the admin.
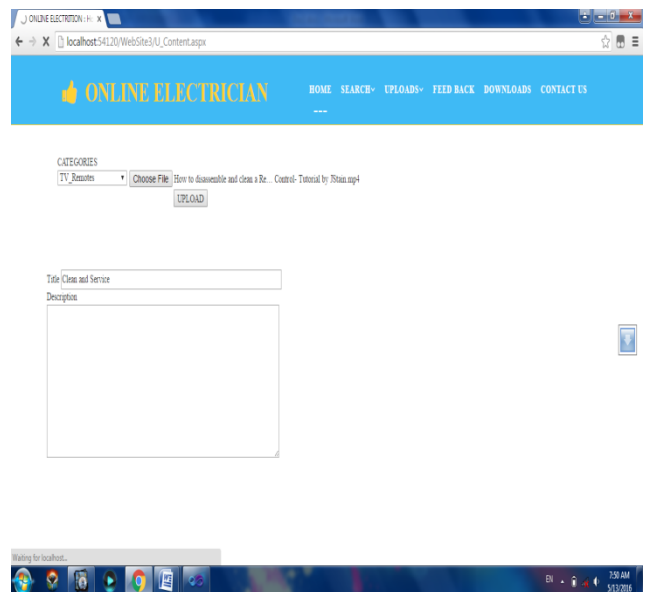

Fig.2.upload content module of the Online Electrician website

FEEDBACK AND QUREIES (FAQ) MODULE:

User reviews and useful commands about the tutorials for doing changes in conceptual and also for appreciations. Doubts and more clarification into the solutions

of rectifying the problems occurring E'n'E goods from user side. Feed back is used improve our services with user friendly and efficiently. User can raise their queries about the particular problem. Solution of the problem delivered from the admin side as well as user. That will act as a conversation between the users.
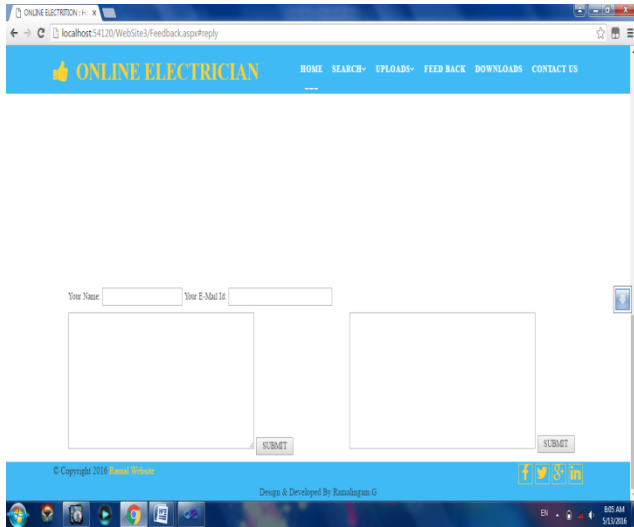

Fig.3.feed back module of the online electrician website

DOWNLOADS MODULE:

User or Electrician can download E&E relevant available software's to clarify the doubts regarding their problem.

Examples: resister ohm calculation application, switch board connection application.

Fig.4.Downloads module of the Online Electrician website

ADMIN MODULE:

Admin module is an important part in the project. That module has the information about the registered website users and their upload goods information. Admin have the rights to view all kind of process of the user. What they are search, which kind of search they mostly done; any unwanted images and information are uploaded in the website. The overall maintenance is done by the admin. Admin also can delete the unwanted images and postings. They also delete the member from their website membership due to the action of unwanted uploading the files. User uploaded information will be displayed with admin permission.
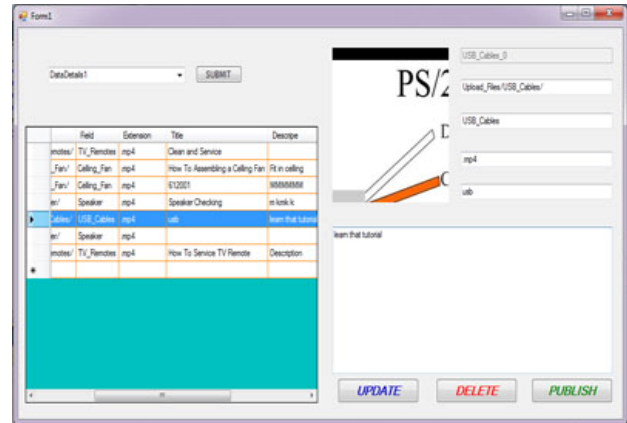

Fig.5.Admin module of the Online Electrician website

VI. CONCLUSION

Reduce the cost to Electricians payments for minor Electrical problems. User Improve Electrical related knowledge and awareness. User can solve they have electrical minor problem itself. User can get the available Electricians details to contact and solve major electrical problems. User and Electricians can get the software to download for work reducing.

VII. FUTURE WORK

Easy learn and work to convey all languages. Extra software`s and tutorial content add to this project. Major problem tutorial to find the solution will have been added to this project. Storage will be move to on cloud.

REFERENCES

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[3] www.homeappliancesservice.com This website only indicates the available services centre for E'n'E goods.

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