Micro-Invention Management system

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Abstract:-

In this world of Micro-Inventions, young inventors need guidance and should be allowed to share their ideas with domain experts. The "Support Centric Workspace for Micro Inventions" provides inventors a way to have their local/ micro inventions recorded and shared with others on the network for the further processing from registering till getting a patent. A patent for an invention is the grant of a property right to the inventor. The right conferred by the patent grant is "the right to exclude others from making, using, offering for sale, or selling" the invention. What is granted is not the right to make, use, offer for sale, sell or import, but the right to exclude others from making, using, offering for sale, selling or importing the invention. Some people have many invention ideas in their lifetime. As an inventor gets an idea he/she can register with Micro Invention Firm and will get an account number and photo identification generated. Firm Advisors/ Domain experts will evaluate individual inventions registered and continue with further assistance that is required till a patent is awarded. This system helps rising stars in science, math and technology by providing assistance to them through a panel of advisors/ domain experts and helps in bringing their innovative ideas to practical, useful products that improve the lives of millions of everyday people.

I. INTRODUCTION

In the existing system it is not easy for young inventors to share their ideas with other. Even if they share them, there is a fear of ideas being stolen and someone else claiming the patent rights. This is because of the inability of the inventors to register their inventions right in the initial stages itself. Normally, new Micro-inventions are patented after they are fully developed. But, for aspiring inventor it is difficult to keep his ideas secret as he/she needs greater collaboration with advisers and domain experts. The non-availability of a system through which they can share ideas constrains them from thinking out of the box. It is hard to get a secure identification, History of inventions and future options is not maintained, as a result of which an inventor may waste time by trying to rebuild a same system which has already been invented and patented. There is no clear road-map for inventions and returns on knowledge invested/ collected and Non-availability of ideas of Advisors and Domain Experts during the development stages of invention.

To overcome all these problems we need to develop a software system which tracks all the above activities.

The proposed system is Support Centric Workspace for Micro Inventions. Its main objective is to provide inventors a way to have their local/ micro inventions recorded and shared with others on the network for the further processing from registering till getting a patent. The proposed system is going to be developed as a powerful web application. The proposed system will have Inventors, Advisors, and Domain Experts as its Users. After obtained a secure identification an inventor can find out opportunities in the domain of operation or expertise. Advisors maintain details of individual inventors. They perform initial review of the invention reported by the inventor. Domain experts evaluate the inventions reviewed by Advisors for most productive & useable invention. They then decide upon the further assistance to be provided to these individuals. They can also help in providing Government support available in inventor's domains. This system Becomes easy for any inventor to get a secure identification, History of inventions and future options is can be maintained, Provides a clear road-map for inventions and returns on knowledge invested/ collected and Makes the ideas of Advisors and Domain Experts available during the development stages of invention.

II. MODULES

In software engineering a module is a portion of a project that carries out a specific function and may be used alone or combined with other modules of the same project. Here we present detailed descriptions of each and every module highlighting its main features, significance and relationship with respect to other modules.

Inventor Module:

This module is responsible for providing an easy to use but powerful user interface through which new inventors can easily post their personal details and also the details about their new inventions and can get back a secure identification. Inventors should be able to identify any one who can assist them in their research and development activities. It should provide user interface which helps them to get the help of domain experts. This module lays the road map for new micro-inventions and also for the returns on the knowledge invested.

Advisor Module:

This module is responsible for collecting the individual details of new inventors. By taking the services of database layer, this module should record the successful inventions made in the past and the new inventions that are in progress. Moreover, this module should is responsible for recording and providing the relevant history about the inventions. It should contain features with the help of which it becomes possible for the advisor to take an initial review of invention newly proposed by any inventor. This module is responsible for allowing the advisor to plan for future activities for new inventions. This module is connected to Inventors module on one side and the Domain Experts Module on the other side.

Domain Experts Module:

Through this module, the domain experts will be able to evaluate the inventions that are

already reviewed by the advisors for the identification of most productive and useable inventions. It should help the domain expert in presenting the further assistance that can be provided to the new inventors. This module is also responsible for providing all the information about the possible help that comes from the government during the process of developing newly invented product.

Reporting Module:

The Reporting Module is responsible for providing a feature-rich and user-friendly web interface for managing reports within "Support Centric Workspace for Micro Inventions". In addition, the Reporting Module should provide a flexible interface to get quick reviews just with click of a mouse. Services of this module will be inherently required by all other modules. This module is mainly responsible for generating reports on new inventions whose work is under progress, old and successful inventions, future plans for a particular invention, details of government help that can possible be obtained for a particular invention

etc. The core idea behind the Reporting Module is to provide quick information and summaries to all of the "Support Centric Workspace for Micro Inventions" end users who are new inventors, advisors and domain experts.
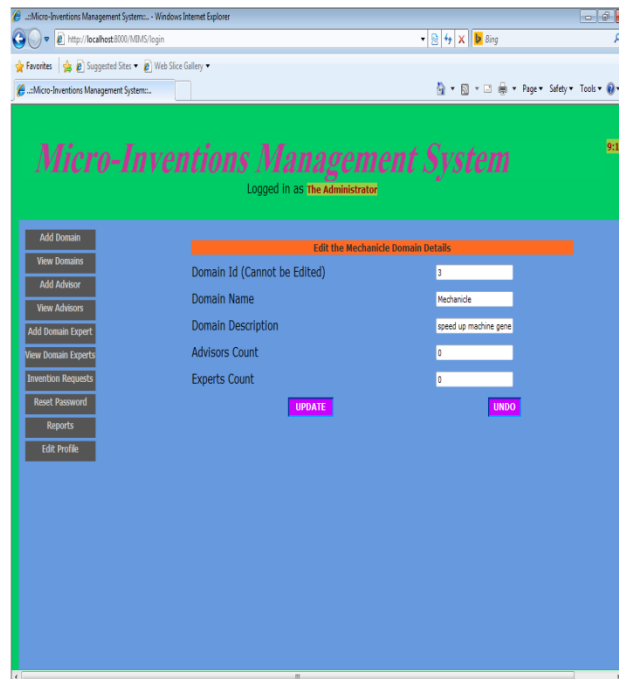
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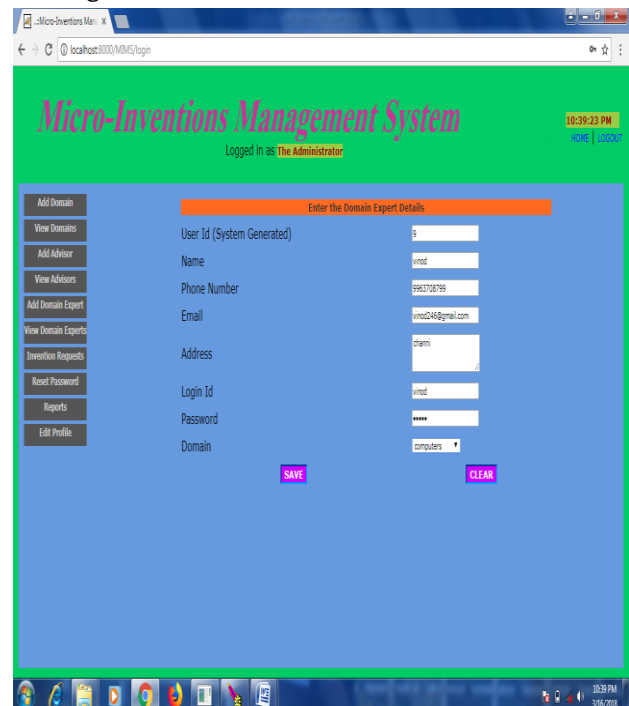
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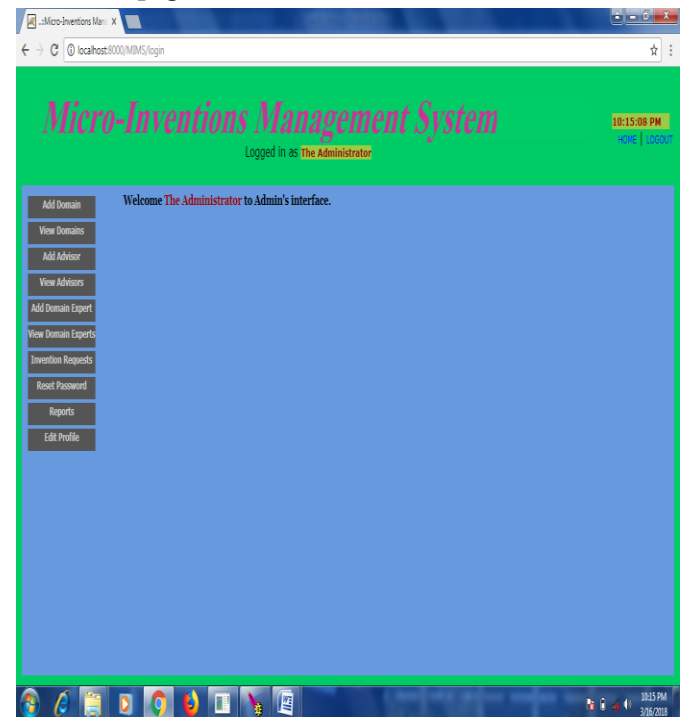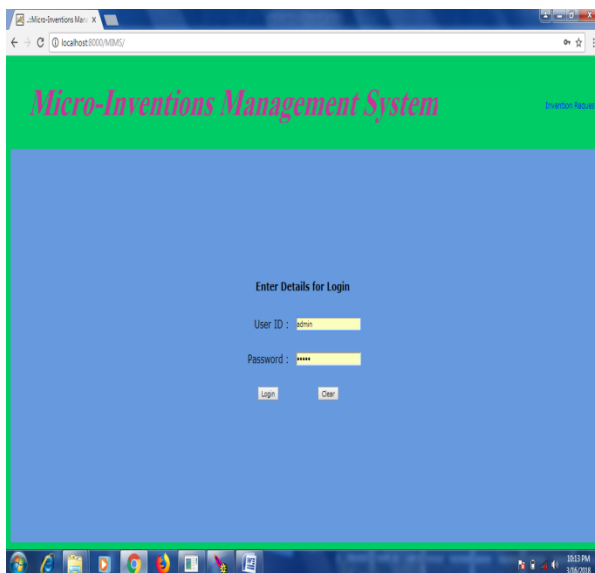
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Edit domain information

Adding Advisor
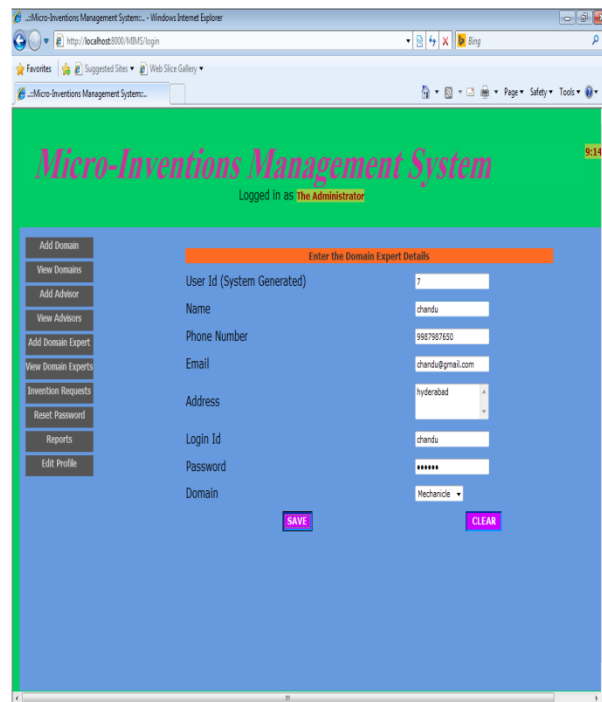

View adviser

Can view advisors

Add domain experts

User login page

Can view Domain Experts
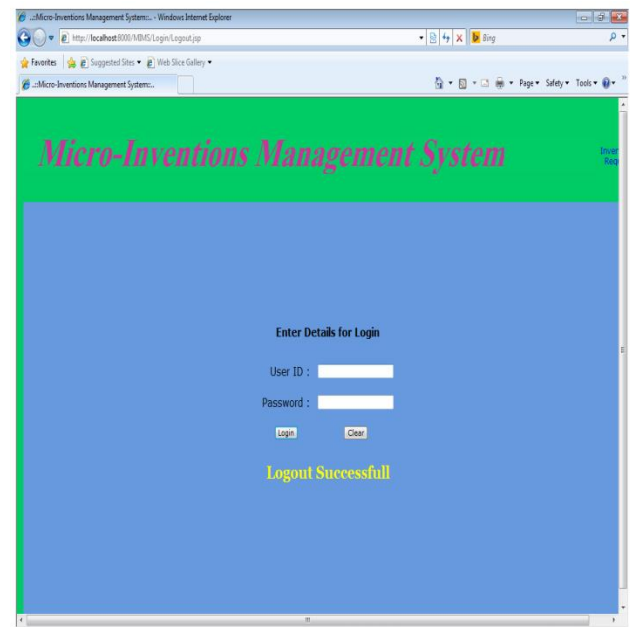
Inventor can send Invention request from home page

Send request the inventers

View request by domain export

III. CONCLUSION

This project named Support Centric Workspace for Micro Inventions acts as an interface for the inventors to register their inventions with a firm as soon as they blown up with an innovative idea. This results in the protection of their innovations until they have been awarded the patent rights. This is also useful for the firms to maintain the innovations historical data, Inventor details, Advisors/Domain experts' information. This system is also helpful for the advisors and the domain experts to schedule reviews for the inventors and also give suggestions for the inventors to make their inventions more productive which results in the well furnished product(Innovation).

IV.   BIBILIOGRAPHY

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