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Innovative and Optimal Platform: A Place for Thinker

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ABSTRACT

In the present era of technology where in every second a new technology rises and new changes takes place rapidly where everyone have different ways to solve the problem in an optimal way. With this growth in technology people are pondering in different direction for the solution of already existing problems. There is no existing platform to put our notions and get resources to implement the idea. The common people of the society all have the access to that platform where they put the notions or solutions of the problems which they bear in daily life in an innovative way. Also the major factor which hinders in the growth of the ideas is resources as not all people in the society have full access to the resources to deploy their ideas in reality. The proposed system aim is to provide the web application which gathers the innovative ideas from the users. This application is not only limited to the students but it caters all those users who have their notions which are unique and innovative as well. The propose system provides the repository to collect ideas and checks the uniqueness of the content uploaded by the users by implementing a plagiarism checker which helps the official to find the unique ideas. The system also checks the authentication of the user as per the details provided by the users. It also provides the admin panel from which all the crucial details looked up by the admin. The platform provides a wide range to explore and put their notions by which their notions can become reality if it's found to be unique or authentic. This platform enhance the knowledge as it provides a repository in which unique ideas of people gather in one site .Not only students but people from different profession can also put their notions and innovative idea as well which gives a boost to their thought as well.

Keywords: Innovative; Uniqueness; Authentication; Plagiarism.

1.0 Introduction

The project aim is to provide the web portal which gathers the innovative ideas from the users. The scope of this website is not only limited to the students but it caters all those users who have their notions which are unique and innovative as well. This web portal provides funding to those users whose ideas get selected as per the uniqueness of the notion by the officials. This funding helps in implementation of the idea.

Our platform will provide funding to those people of society who have unique ideas so that even

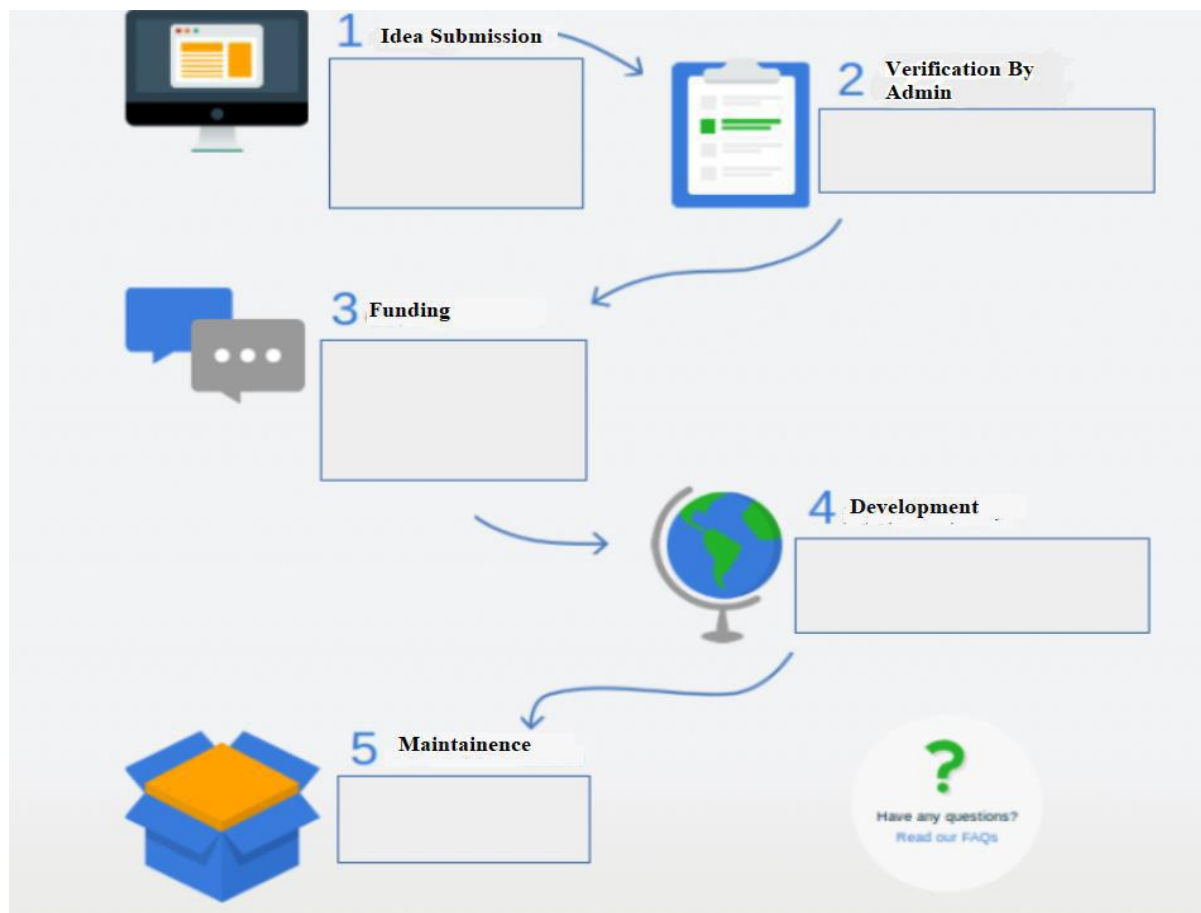
a common man can give his contribution to the society and can provide some help to the society without concerning about the monetary part which generally plays a major role during the development process as a an initial investment is needed during the development phase. As the new ideas and new technologies come into a rapid pace, it will definitely boost the economy and caters the country's development. Our web portal checks the authentication of the users as per the details provided by the users and will provide them with monetary support during the development phase of their product.

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Figure 1: Flowchart of Proposed System

In the current scenario of technology, every second a new technology rises and new changes takes place rapidly where everyone has different ways to solve a problem in an optimal way. With this growth in technology people are pondering in different directions for the solutions of already existing problems. People find a new innovative idea for the existing problem which is optimised from the previous solution. With the rapid pace in data we have enormous data to store and due to which we need to optimize the solution which decrease the space and time, with this we really need ideas which are innovative and optimize solution .

So here we face a problem where we cannot find a problem to put our notions and get resources to implement the idea. The common people of the society all have the access to that platform where they put the notions or solutions of the problems which they bear in daily life in an innovative way.

Also the major factor which hinders in the growth of the ideas is resources as not all people in the society have full access to the resources to deploy their ideas in reality.

Some of the benefits of this project are mentioned below :

- It will provide a platform to some innovative minds.
- It will provide funds for further development of the project.
- Intellectual property rights of every individual will be considered.

2.0 Workflow of Proposed System

For this portal to be an efficient, beneficial and purposeful we implemented-

- Plagiarism checker, which checks the uniqueness of the content uploaded by the users.

- Authentication verification, as the user receives the OTP on the given account so that we come to know about the user's originality.
- Adaptability, as this portal is functional to all electronic sites as cellphone, PC's, tabs etc.
- After the confirmation of the idea, the user can get the opportunity to talk with the officials about the funding and regarding the status of the idea.
- For this feature we have provided the admin panel from which all the crucial details looked up by the admin.

Figure 2: Usecase Diagram of Proposed System

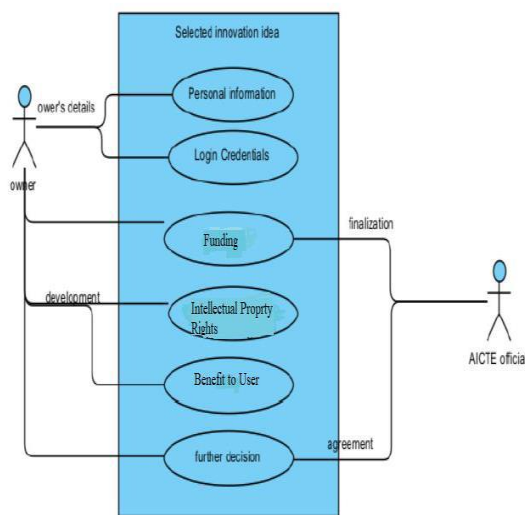
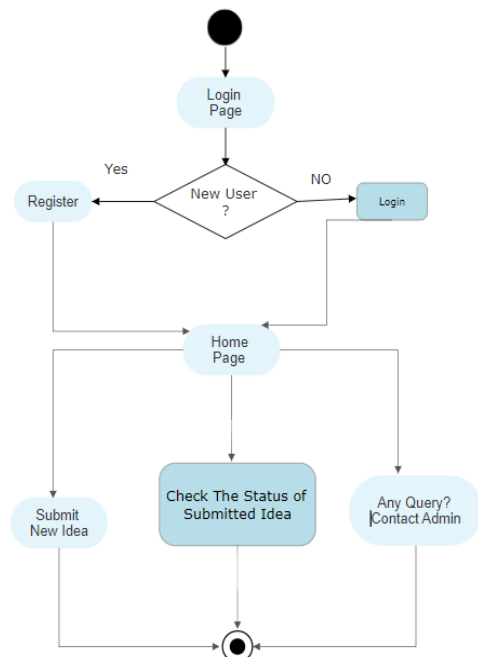


Figure 3: Activity Diagram of Proposed System



2.1 Technology stack

HTML
CSS
JAVASCRIPT
PHP-MYSQL/NODE.JS

3.0 Process Description

3.1 Use case diagram

The above use case diagram shows the process by which a user can achieve the benefits after login into the panel and submit their innovative idea which will be registered only by checking the authentication of the idea. The idea of the users will be guarded by the panel as the intellectual property rights are provided by the officials so that the authenticity should be maintained. The user can clarify their doubts in further discussion with the admin after the authentication of the idea. The boost to their innovative ideas will be provided by the panel members in the way of funds and technical help. The use case diagram shows how the interaction or conversation takes place between the user and panel after completing credential part and authentication.

3.2 Activity diagram

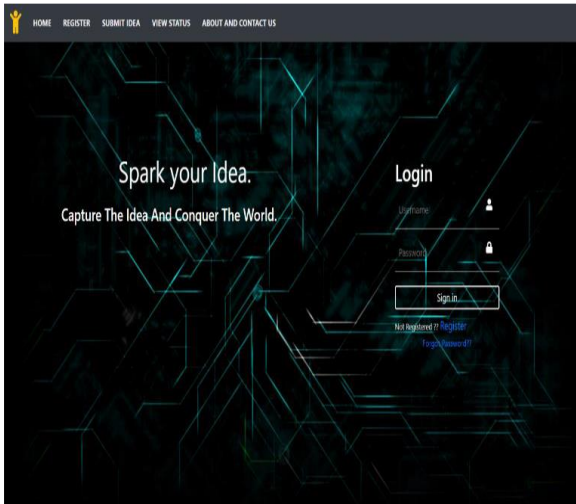
The above activity diagram shows how a user can go through each step after following our website:-

- User interacts with the login page.
- If the user is new then he/she has to register first by filling the personal information.
- If the user is not new then he/she has to only login the credentials.
- After the login, home page appears in which user can:-
- Submit their new ideas
- Check the status of the submitted idea
- And can resolve their queries by contacting the admin

4.0 Output Screens

The output screen shows the output obtained after implementing the algorithms of the main modules that are working internally and are explained. This page itself is a motivation for the users and innovators that inspires them to submit their innovation and get funded by AICTE from figure 4.

Figure 4: Output Screen of Login Page



4.1 Output for module-2

Figure 5, shows the list of the details that need to be filled by the user about their idea while submitting the idea. He can decide whether he want to collaborate with others or not. Pdf or word document need to be uploaded while submitting the idea so that admin could get more clarity about the idea.

4.2 Output for module-3

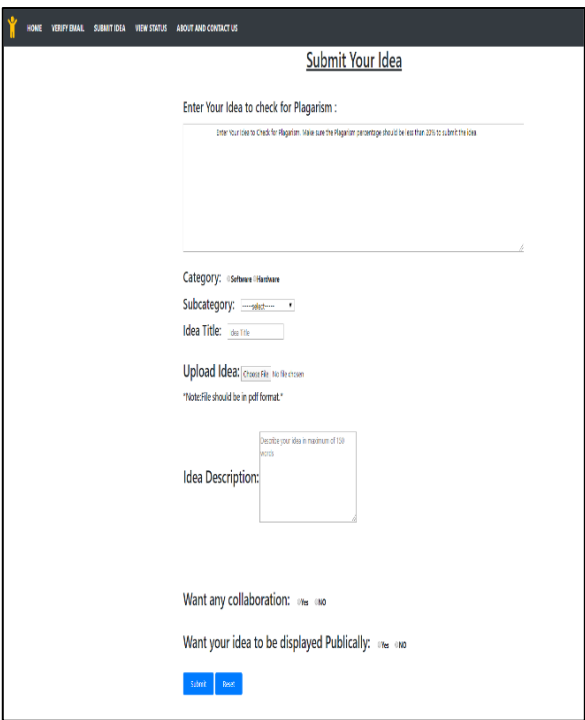
Figure 6, shows the details of the ideas that are submitted by the different users and the admin need to take further actions on it. Admin will review the idea and contact the innovator about what are the helps that he required so that he could implement this into reality.

4.3 Output for module-4

Figure 7, describes the structure of one of the most important table in the database and the various

constraints that are there on the different attributes. The security and encryption and decryption of that password is most important among all security concerns.

Figure 5: Output Screen for Submitting the Idea



4.4 Project files

From figure 8, all the project related files and folders have been shown in the above output. The various php files and the admin panel files are there. The .css and .js files are also embedded in the code to make it more user friendly and enhance the user experience.

Figure 6: Output Screen for Viewing the Status of Ideas Submitted

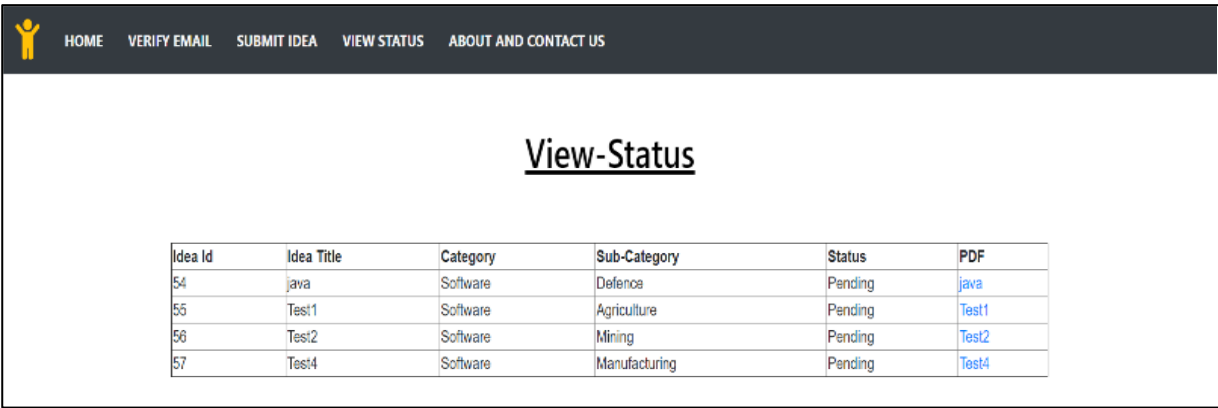


Figure 7: Database Structure

The screenshot shows a database management interface with a table structure view. The table 'idea' has 11 columns: #, Name, Type, Collation, Attributes, Null, Default, Comments, Extra, and Action. The columns are: 1. 'uname' (varchar(20), latin1_swedish_ci, No, None), 2. 'email' (varchar(20), latin1_swedish_ci, No, None), 3. 'id' (bigint(10), No, None, AUTO_INCREMENT), 4. 'title' (varchar(20), latin1_swedish_ci, No, None), 5. 'description' (text, latin1_swedish_ci, No, None), 6. 'category' (varchar(20), latin1_swedish_ci, No, None), 7. 'collab' (varchar(20), latin1_swedish_ci, No, None), 8. 'publicly' (varchar(20), latin1_swedish_ci, No, None), 9. 'subcategory' (varchar(20), latin1_swedish_ci, No, None), 10. 'status' (varchar(20), latin1_swedish_ci, No, Pending), 11. 'remarks' (text, latin1_swedish_ci, No, None). Below the table structure, there are sections for 'Indexes' and 'Partitions'. The 'Indexes' section shows a primary index on 'id' and a unique index on 'title'. The 'Partitions' section shows 'No partitioning defined!'.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	uname	varchar(20)	latin1_swedish_ci		No	None			Change Drop More
2	email	varchar(20)	latin1_swedish_ci		No	None			Change Drop More
3	id	bigint(10)			No	None		AUTO_INCREMENT	Change Drop More
4	title	varchar(20)	latin1_swedish_ci		No	None			Change Drop More
5	description	text	latin1_swedish_ci		No	None			Change Drop More
6	category	varchar(20)	latin1_swedish_ci		No	None			Change Drop More
7	collab	varchar(20)	latin1_swedish_ci		No	None			Change Drop More
8	publicly	varchar(20)	latin1_swedish_ci		No	None			Change Drop More
9	subcategory	varchar(20)	latin1_swedish_ci		No	None			Change Drop More
10	status	varchar(20)	latin1_swedish_ci		No	Pending			Change Drop More
11	remarks	text	latin1_swedish_ci		No	None			Change Drop More

Figure 8: Source Files

Name	Date modified	Type	Size
admin	03-03-2019 15:16	File folder	
css	03-03-2019 15:16	File folder	
img	03-03-2019 15:16	File folder	
pdfs	19-04-2020 14:25	File folder	
PHPMAILER	03-03-2019 15:16	File folder	
textlocal	03-03-2019 15:16	File folder	
345.png	23-02-2019 11:07	PNG File	2,914 KB
aadhar.php	02-03-2019 18:51	PHP File	3 KB
about.php	03-03-2019 15:19	PHP File	6 KB
change-password.php	02-03-2019 21:33	PHP File	6 KB
change-validate-logout.php	03-03-2019 09:55	PHP File	1 KB
controller.php	28-02-2019 21:08	PHP File	2 KB
edit-profile.php	03-03-2019 15:21	PHP File	11 KB
edit-validate.php	03-03-2019 10:00	PHP File	6 KB
Filter.html	02-03-2019 18:25	Chrome HTML Do...	2 KB
forget-password.php	03-03-2019 15:22	PHP File	4 KB
forgot.jpg	23-02-2019 12:30	JPG File	42 KB
github.php	28-02-2019 21:21	PHP File	2 KB
home.php	03-03-2019 09:44	PHP File	6 KB
home-login.php	03-03-2019 15:22	PHP File	6 KB
home-reset.php	03-03-2019 09:57	PHP File	6 KB
logout.php	02-03-2019 21:27	PHP File	1 KB
logout2.php	02-03-2019 21:29	PHP File	1 KB
PHPMailerAutoload.php	26-02-2019 17:26	PHP File	2 KB
plag.php	14-04-2020 19:26	PHP File	10 KB
registration-form.php	03-03-2019 13:36	PHP File	16 KB
reg-validate.php	03-03-2019 13:18	PHP File	9 KB
reset-password.php	02-03-2019 21:35	PHP File	1 KB
sendmail.php	14-04-2020 19:56	PHP File	3 KB
sendsms.php	26-02-2019 23:01	PHP File	1 KB
submit-idea.php	11-07-2019 21:34	PHP File	10 KB
submit-validate.php	14-04-2020 21:13	PHP File	6 KB

5.0 Algorithm

Algorithm used for the authenticity of the users is given below :

```
<?php
error_reporting(0);
//for check aadhar function
public function isAadharValid($num) {
    settype($num, "string");
    $expectedDigit = substr($num, -1);
    $actualDigit = $this->CheckSumAadharDigit(substr($num, 0, -1));
    return ($expectedDigit == $actualDigit) ? $expectedDigit == $actualDigit : 0;
}
public function CheckSumAadharDigit($partial)
{
    settype($partial, "string");
    $partial = strrev($partial);
    $digitIndex = 0;
    for ($i = 0; $i < strlen($partial); $i++) {
        $digitIndex = $this->dihedral[$digitIndex][$this->permutation[(($i + 1) % 8)[$partial[$i]]]];
        return $this->inverse[$digitIndex];
    }
    public function check_adhar($AadharNo) {
        $result= $this->isAadharValid($AadharNo);
        if($result ==1){
            return 1;
        }
        else
        {
            return 0;
        }
    }
    $adhar= new Adhar();
    $chk=1;
    $adharData=$adhar->check_adhar($_REQUEST['aadhaarNumber']);
    if ($adharData==0) {
        $chk = false;
        echo "Kindly Fill The Correct Aadhar Number";
    }
    else
    {
        echo "This correct aadhar no is ";
        echo $_REQUEST['aadhaarNumber'];
    }
}
```

```
?&gt;
<?form action="<?php echo
$_SERVER['PHP_SELF']; ?&gt;"
method="post"&gt;
    Aadhar <?input type="text"
name="aadhaarNumber"maxlength="12"&gt;&lt;br>
    <?input type="submit" name="submit"
value="Submit"&gt;
    <?/form&gt;
    public function setOptions(Array $options)
    {
        $methods = get_class_methods($this);
        foreach ($options as $key => $value) {
            $key = preg_replace_callback('/_(.)/',
            function($matches){ return ucfirst($matches[1]); },
            $key);
            $method = 'set' . ucfirst($key);
            if (in_array($method, $methods)) {
                $this->_$method($value);
            }
        }
        return $this;
    }
    private function getSessionKey(){
        if(empty($this->_sessionKey))
        {
            $this->_sessionKey
            = openssl_random_pseudo_bytes(32);
        }
        return $this->_sessionKey;
    }
    private function getAuthXml($arg){
        $this->_authXml = $arg;
    }
}
```

6.0 Conclusions

After the implementation of the web portal we conclude that this platform provide access to all the members of the society with their unique selected idea with the confirmation of the admin. With this they get the necessary resources for the development and deployment their innovative idea. Even intellectual property rights of every individual are considered. These innovative solutions provided for particular problems can make big changes in the society which will be of great help to a large population and can bring a lot of positive change in their life. As there is always some good and bad aspects associated with everything same goes for this

portal, along with all the benefits provided by this portal there are some disadvantages associated with it. There will be overhead for admin like admin has to answer a lot of queries which sometimes cause uneasiness and admin has to manage every project all by himself which is quite agitating.

7.0 Acknowledgement

This thesis becomes a reality with the kind support and help of many individuals. Therefore, we would like to extend our sincere thanks to all of them for helping us throughout.

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