An Automated System for Maintenance of Faculty Publications

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Abstract—The manual maintenance of research papers which were published by the faculty of our department in various journals and conferences was getting critical. The retrieval of manual data in academic year wise and faculty wise is also a major problem. To avoid the problem of storing and retrieving the records of the research papers published by the faculty of our department, we started to develop a new application “An automated system for maintenance of faculty publications”. The Application is designed to store all the information of the published papers by the faculty in different years in different journals. All the data will be monitored by the administrator. The results will be automatically analyzed and are displayed as a tabular form by just giving the required parameters. Each member of the organization should upload their published paper details into their own logins provided by the administrator. This web page provides the administrator ease of collecting, analyzing and reporting the result.

Index Terms: journals, retrieval, department, publications, Conferences.

I. INTRODUCTION
The manual maintenance of research papers which were published by the faculty of our department in various journals and conferences was getting critical. The retrieval of manual data in academic year wise and faculty wise is also a major problem. To avoid the problem of storing and retrieving the records of the research papers published by the faculty of our department, we started to develop a new application “An automated system for maintenance of faculty publications”. The Application is designed to store all the information of the published papers by the faculty in different years in different journals. All the data will be monitored by the administrator. The results will be automatically analyzed and are displayed as a tabular form by just giving the required parameters. Each member of the organization should upload their published paper details into their own logins provided by the administrator. This web page provides the administrator ease of collecting, analyzing and reporting the result.

II. EXISTING SYSTEM
The manual maintenance of research papers which was published by the faculty of our department was getting critical. The retrieval of manual data in academic year wise and faculty wise is also a major problem. The In-charge cannot get all the data that they need. Every time they need to collect the data from the staff members and file them. This is more time taking and manual work will be less accurate. Different journals, different years and different paper publishers, all the records are to be analyzed and a report must be submitted to the higher authorities with the detailed report.

Drawbacks:
• Time taking process.
• Missing of records when not intimated to the in-charge by the Authors.
• Manual work may contain mistakes in the retrieving result.

III. PROPOSED SYSTEM
To avoid the problem of storing and retrieving the records of the research papers published by the faculty of our department, we started to develop a new application “An automated system for maintenance of faculty publications”. The Application is designed to store all the information of the published papers by the faculty in different years in different journals. Designing of the Application involves HTML, CSS, PHP, J-Query. All the data given by the faculty will be stored in Database. This data will be retrieved in a tabular form according to the parameters given by the Administrator. The administrator can select the individual staff member’s records or the academic years or individual journals also. Each faculty will be given a login id and password to login and upload their information about their papers and this whole system will be monitored by the administrator.

The maintenance and results can be retrieved by administrator and the faculty members can manage their own records.
IV. METHODOLOGY

Modules Description:
1. User Module:

   User must input his paper publications details using the links and forms present in the staff panel. He can change his password in the same panel.

2. Admin Module:

   First, the Admin will take care of the input data and also maintain the Database regarding the paper publication details. Admin will look after the retrieval of data giving the parameters.

V. RESULTS

![Fig 1. Admin login](image1.png)

![Fig 2. Staff login](image2.png)

Signing a new user
Description: Adding journals by user
### Paper Publications

#### Welcome Admin

Complete journals

<table>
<thead>
<tr>
<th>Author</th>
<th>Title of research paper</th>
<th>Name of journal</th>
<th>Volume</th>
<th>Issue</th>
<th>Page number</th>
<th>Year of publication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. S.V. Subh Ray</td>
<td>Data security threat using publish/subscribe system,skip and indexed journal</td>
<td>International Journal of Control Theory and Applications</td>
<td>9</td>
<td>6</td>
<td>1896-1904</td>
<td>2016</td>
</tr>
<tr>
<td>Dr. J. Palikonda Prasad</td>
<td>Overview on the state of art of Internet of Things</td>
<td>International Journal of Advances in Computer and Communication Engineering</td>
<td>5</td>
<td>7</td>
<td>2016</td>
<td></td>
</tr>
<tr>
<td>N. V. Subh Ray</td>
<td>An efficient system for storage of scholarly journal publications</td>
<td>International Journal</td>
<td>3</td>
<td>2</td>
<td>2016</td>
<td></td>
</tr>
</tbody>
</table>

Viewing all journals.
VI. SCOPE FOR FURTHER DEVELOPMENT

Based on the encouraging results from an automated system for maintenance of faculty paper publications and its benefits to the staff, we gather the information about paper publications wise in which this system is executed. We make the storage of these data in database and the admin will maintain this data retrieval and other options. The scope of the services includes the email verification of the users, uploading of data from various collages, classification of data based on the journals and proceedings etc.

VII. CONCLUSION

We are making efforts to design an efficient system to automate the storage of the paper publications data by the staff members. We can now store each and every record of the staff members and can retrieve individual's complete data about paper publications in their logins. The admin has the access to view each and every person complete data. Admin can select the parameter one the basis of requirement and retrieve the data that is by selecting the particular staff members or multiple staff members along with that selecting the particular year of publishing to get the desired output. This table of data can be printed to get a hardcopy. This can be an advantage for the staff members by storing the data of their paper publications.

REFERENCES

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