

{tag} International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

[Volume 170](#)

-
[Number 3](#)

Year of Publication: 2017

Authors:

Z. A. Usmani, Saiqa Khan, Mustafa Kazi, Aadil Bhatkar, Shuaib Shaikh

10.5120/ijca2017914726

{bibtex}2017914726.bib{/bibtex}

Abstract

Automation has gained universal popularity these days. This paper lays emphasis on a web-based department automation system which is currently under development process and is primarily aimed at keeping track of faculty details and records. Also, another fundamental aspect considered is the reduction of overall paperwork involved. The application is designed at providing systematic, well planned and well organized working environment for the faculty of institution. Concept of modern-day technologies like data mining and web technology are the understructure of the system. The system focuses at overcoming the drawback of existing method by reducing errors and mistakes in record keeping as data is stored digitally. Computation of queries is processed swiftly to fetch data from a massive database. The application is designed using Eclipse (kepler version), Apache Tomcat server 7.0 along with wamp server to host the database locally. J2EE, JSP along with Html have been used for designing the user interface whereas MySQL database is used for storing data.

References

1. Analysis, Design and Implementation of a Web-Based Payroll Application Software Husin J. Then; Biju Issac; Lau T. Chung; Susanti Wongso; Riyan Bong; Lesley Lu; Yu P. Ling Computer Technology and Development, 2009. ICCTD '09. International Conference on Year: 2009, Volume: 1
2. Design and Implementation of Student Attendance Management System Based on MVC Zonggang He; Junsheng Zheng Management and Service Science, 2009.MASS '09. International Conference on Year: 2009
3. Realization of school library software application Zdravko Ivankovic; Branko Markoski; Ivana Berkovic; Dragan Ivetie 2009 7th International Symposium on Intelligent Systems and Informatics Year: 2009
4. Study on library automation management system of SaaS Bo Zhou; Wenliang Liu Computer Science and Network Technology (ICCSNT), 2013 3rd International Conference on Year: 2013
5. Application of Business Intelligence: A Case on Payroll Management Monika Arora; Deepankar Chakrabarti Computational and Business Intelligence (ISCBI), 2013 International Symposium on Year: 2013
6. Automation of decision making process for selection of talented manpower considering risk factor: A data mining approach Mohd Mahmood Ali; Lakshmi Rajamani Information Retrieval & Knowledge Management (CAMP), 2012 International Conference on Year: 2012
7. The application of Apriori-BSO algorithms in medical records data mining Wang Renli; Dai Yueming; Dong Liming 2016 IEEE Information Technology, Networking, Electronic and Automation Control Conference Year: 2016
8. Educational data mining to track students performance on teaching learning environment LabSQL Azauri S. Figueira; Amanda S. Lino; S. S. Paulo; Clayton A. M. Santos; Tânia S. A. Brasileiro; Adriano Del Pino Lino 2015 10th Iberian Conference on Information Systems and Technologies (CISTI) Year: 2015
9. Data Mining: What is Data Mining?
<http://www.anderson.ucla.edu/faculty/jason.frand/teacher/technologies/palace/datamining.htm>
12-09-2016 15.30 IST
10. Automation <https://en.wikipedia.org/wiki/Automation> 12-09-2016 17.07 IST
11. Design Patterns: MVC Pattern
http://www.tutorialspoint.com/design_pattern/mvc_pattern.htm 13-09-2016 10.40 IST

Index Terms

Computer Science

Security

Keywords

Automation, Web Technology, Data Mining, J2EE, MySQL, Faculty