Student Feedback Management System and Report Generator

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Abstract- **Student Feedback Management System and Report Generator has been designed to explore student's attitude towards feedback about the performance of the staff members and the overall needs provided by the institution. This system contains two validation process, they are staff evaluation and institution evaluation. Students will validate twice in a year one for their odd semester and another for their even semester. Staff evaluation consist of five questions about their perfection and their performance during their teaching session. The students of the second and final year will validate the staff evaluation. The institution evaluation will be validated by the final year students at their final semester. Institution evaluation consist of 10 questions about the infrastructure of college and the overall needs provided by the college. Students can give their ideas as comments so that their comments can help to develop the college in the upcoming days. Each and every student's validation and their comments will be recorded and consolidated. This helps for the improvement in staff performance and development of the institution.**

Index Terms- Report generator, feedback system, staff evolution.

I. INTRODUCTION

The Student Feedback Management System and Report Generator is the real time project specially designed for the college students to convey and explore their attitude towards feedback about the performance of the staff members and overall needs provide by the institution in confidential way. By this way the students can convey their own opinion. The automatic report generation system makes this possible by sending the reports to authorized person in every seconds. In this system there are lot of minute options that make the application more efficient such as specified total count of the students only can perform feedback, avoiding duplicate entries, automatic report generation etc.

II.EXISTING SYSTEM

The actual feedback procedure is done manualy using the papers .This makes the procedure confidential because the records are not disclosed to others. This types of records can be accessed by anyone because it is in paper format and this format of records cannot be used for Validation and analysis. To implement these activities the records must be feed into system. Storing and handling all the records are not possible because pages may get lost or affected by manual handling.

III. PROPOSED SYSTEM

The student Feedback System and Report Generator is a comprehensive System used for the Institute Evaluation and Staff Evaluation by the students. The basic activities involved with system are as follows:

- Evaluation of Individual Faculty Members.
- Evaluation of Institute.
- Automatic Report Generate System.
- Individual and Consolidate Report.
- Secured Way of Reports.
- Analysis of earlier reports.

IV.LIST OF MODULES

- Administration module
- Adding department and staff name module
- Update and delete department and staff name module
- Staff evaluation module
- Institution evaluation module
- Report generation module

Administration module

This module is designed for administrator. The administrator has the following privileges Adding

and deleting a staff and department name Edit and update the department and staff name. The administrator modules are fully secured by the password and username for restricting the access to others. The user name and passwords are stored in SQL data base. Those data cannot be accessed from data base because the data are in encrypted by RSA Algorithm.

Adding department and staff name module
In this module we can add a new department and add a new staff name by using the administrator login

Update and delete department and staff name module
This module is designed to handle updation of a new staff member. We can also remove a retired/resigned staff member.

Staff evolution module
This module is used to evaluate a staff member by giving the feedback of the staff. The evaluation procedure consists of 5 questions. Each questions contains 4 answering options for which the student has to select one.

Institution evaluation module
This evaluation is done by the outgoing students (final year) and it consist of 10 questions.

Report generation module
This module generate reports. This module generate the report in the format of MS-EXCEL or PDF.

V. FUTURE ENHANCEMENT

The following aspects will be added in the Feedback Processing System.

Storing the secured evaluated data into the database.
This will done by using the transparent data encryption. This algorithm encrypts the sensitive data like credit card numbers etc. In Feedback application the staff names and their scores provided by the students can be encrypted for securing data from unauthorized persons.

Benefits of Using Transparent Data Encryption
Transparent data encryption enables simple and easy encryption for sensitive data in columns without requiring users or applications to manage the encryption key. This freedom can be extremely important when addressing, for example, regulatory compliance issues. No need to use views to decrypt data, because the data is transparently decrypted once a user has passed necessary access control checks. Security administrators have the assurance that the data on disk is encrypted, yet handling encrypted data becomes transparent to applications.

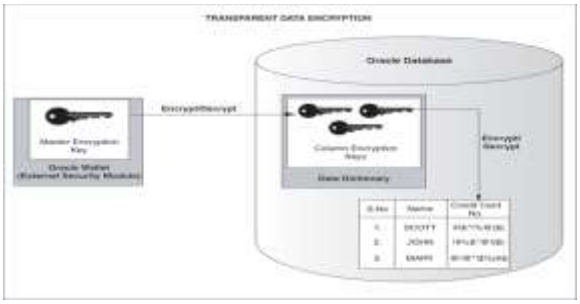

Figure 1: Transparent Data Encryption

Transparent Data Encryption Works
Transparent data encryption is a key-based access control system. Even if the encrypted data is retrieved, it cannot be understood until authorized decryption occurs, which is automatic for users authorized to access the table.
When a table contains encrypted columns, a single key is used regardless of the number of encrypted columns. The keys for all tables containing encrypted columns are encrypted with the database server master key and stored in a dictionary table in the database. No keys are stored in the clear.

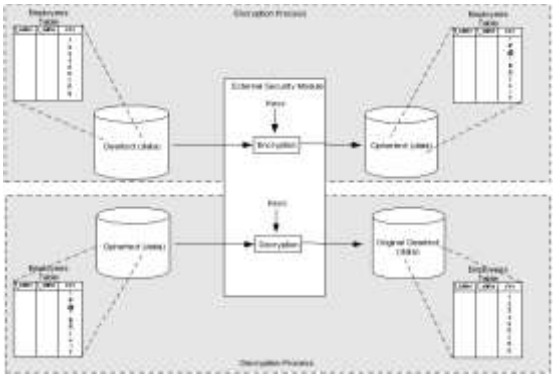

Figure 2: Transparent Data Encryption Process
As shown in Figure 2, the master key of the server is stored in an external security module that is outside the database and accessible only to the security administrator. For this external security module, Oracle uses an Oracle wallet. Storing the master key

in this way prevents its unauthorized use. In addition to storing the master key, the Oracle wallet is also used to generate encryption keys and perform encryption and decryption.

VI. CONCLUSION

This is not the overall description about the feedback system. Some more forms can also be added so as to better retrieve the feedback details. We implemented the system as per the college level as well as we will implement it in hotels, universities, private institutions, management offices etc. Further enhancements can be made in designing the screens. Some more forms can also be added so as to better retrieve the feedback details. Some more design can also be added in the particular system.

REFERENCES

[1] Jason N Gaycord, Christian wenz.Professional ASP.NET in C# and VB , Publisher : APress.
[2] author : Michalhalvorson ,Microsoft Visual Basic .NET step by step publisher: Microsoft Press
[3] Adam Jorgensen ,Microsoft SQL Server 2012 bible by, Patrick leblanc.
[4] Robert walters, Grant fritchy publish APress Beginning SQL Server 2012 Administration.