

ABSTRACT

The technological development and impact of computers and internet on our lives that has been verified over time affected various sectors of activity. And almost every task today is being run through computers. Getting information and quickly turning it into a product that consumers want is the essential key to staying in business and all of this is done nowadays using computers and applications or information systems. And the education system is undeniably the backbone of the society, it focuses at preparing the young talents for the future. However, currently the process of students' result management and declaration at some of the colleges, is performed manually with extensive human intervention, the students' results are generated through a spreadsheet application and then printed on a paper, attached to a wall for declaration and then stored. The current research aims at creating a web-based student result management system, reducing time, effort and improving security.

INTRODUCTION

The impact of computers and the internet on our lives today is probably much more than we really know. Getting information and quickly turning it into a product that consumers want is the essential key to staying in business and all of this is done nowadays using computers and applications or information systems.

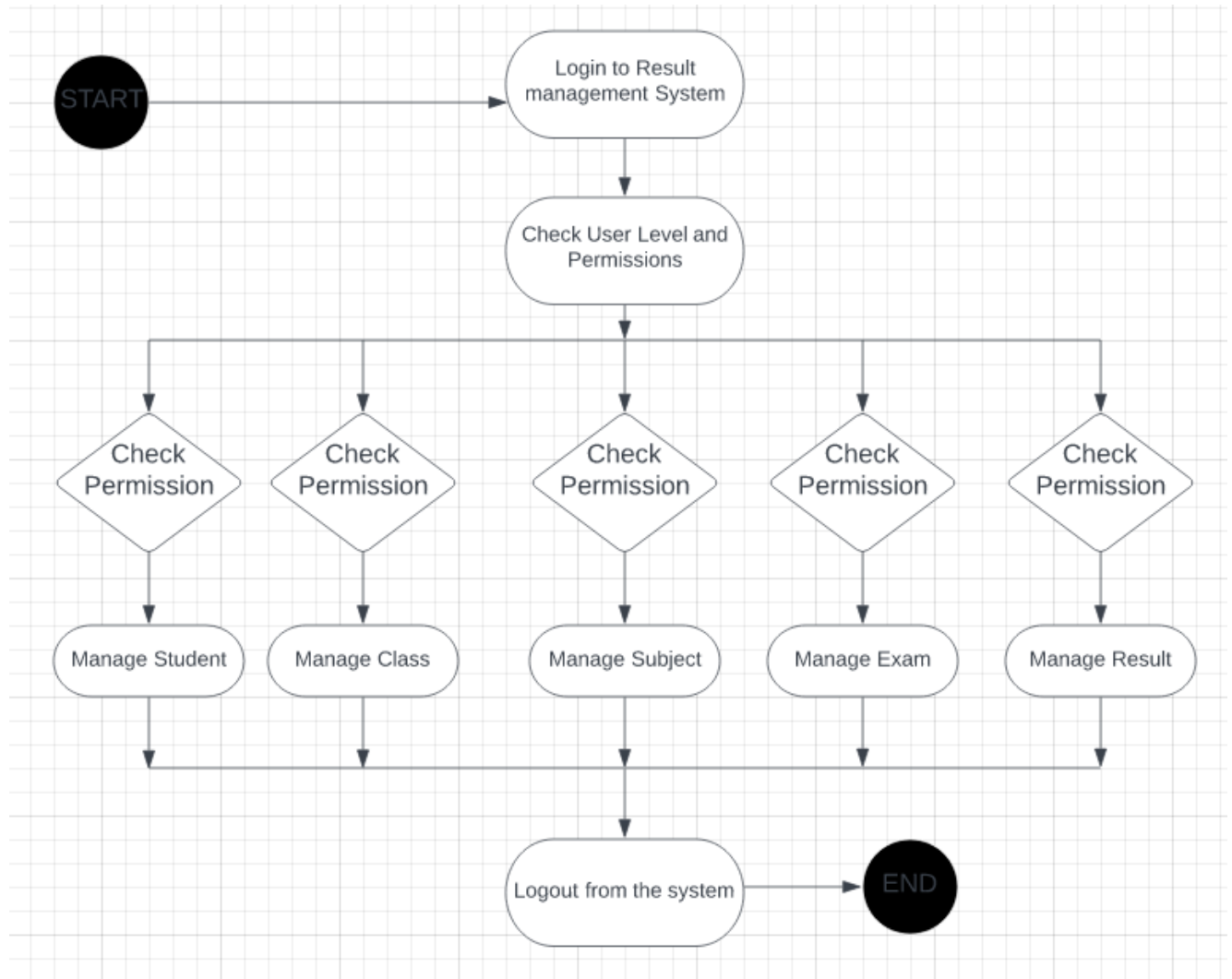
And the information systems will continue to change businesses and the way we live. Many corporate leaders are using technology to manage every aspect of their organization, from product creation to customer service. It has brought evolution in almost every field, it changed the ways of teaching, administration of activities such as e-learning, e-library and online portals where teachers and students communicate, and sharing of information has never been better.

Student result declaration and management are amongst the most important activities within a university or any educational institution, since all other activities depend on it. Hence implementing an information system can be declared a significant result. The main objective of this research is to enhance and automate the management and declaration of students' results using a computerized system.

PROBLEM DEFINITION

Currently, the process of declaring and managing the students' results is performed manually with extensive human. The students' results are generated through a spreadsheet application and then printed on a paper, attached to a wall for declaration and then stored. Despite having an application that generates the result, it is not very effective as the system consumes a lot of time and human resources in performing various tasks, it is costly, it lacks data security and efficiency. And at present, the institution needs an advanced and computerized environment. And once implemented, it will minimize all the problems mentioned.

DATA FLOW DIAGRAM

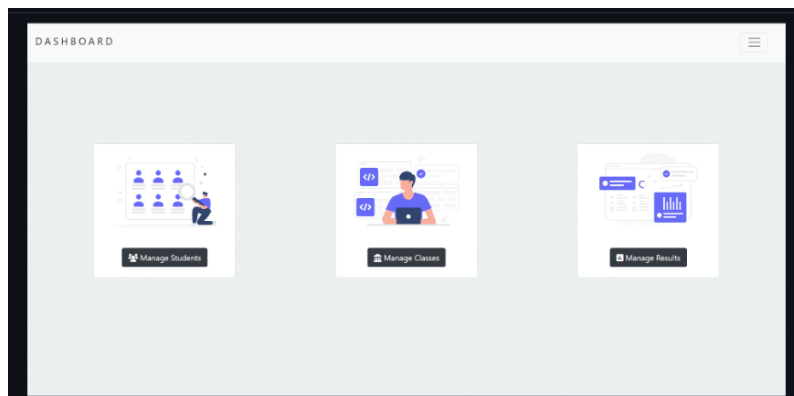
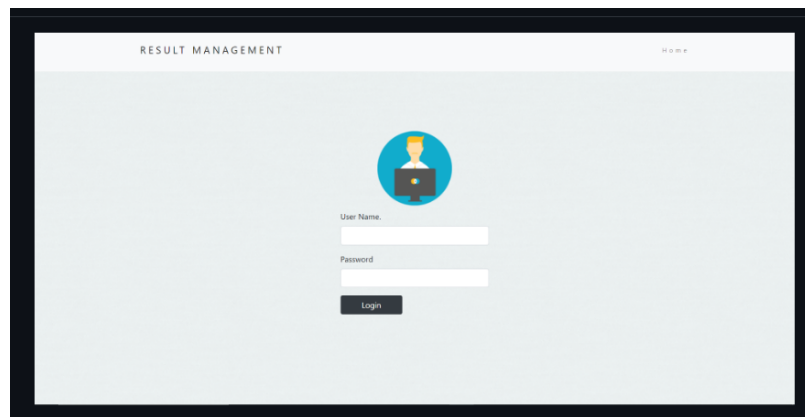
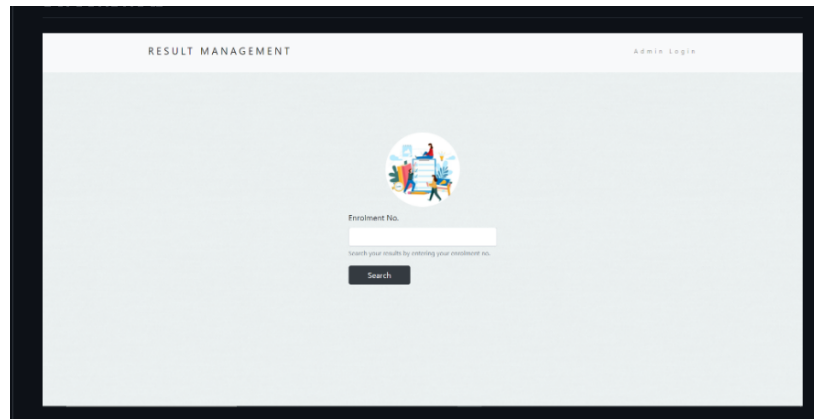


IMPLEMENTATION

The implementation or coding of the proposed system was performed using JavaScript programming language which is based on the object-oriented paradigm. It organizes the system in modules or classes within their respective packages. And has become a popular approach not only in the field of programming but for system analysis and design. The system is build with node, express and bootstrap. The system functions and features it includes are:

- Login Page for admin and for students to view their result
- The admin can manage students, classes and results based on their requirements
- The admin can also upload, update and delete the data.

OUTPUT SCREENSHOTS



RESULT MANAGEMENT

Home

Name : Nitay Patel

Enrollment Number : IT1902

Semester : 1

Branch : Information Technology

Select Semester

Sem - 1

Search

NO.	Subject	MARKS	OUT OF
1	Mathematics - 1	40	70
2	C Programming	50	70
3	Basic Electronics	55	70
4	Basic Mechanical Engineering	60	70

Percentage : 73.21 %

Status : Pass

Print Result

Select Class Id -

Enter enrollment no

Add Result

Go Back

Upload File

Show 10 entries

Search

NO.	Enrollment no	Class Id	Name	Results	Action
1	IT1902	IT-1	Nitay Patel	See result	
2	IT1905	IT-1	Jay Monpara	See result	
3	IT1904	IT-1	Poojan Patel	See result	

Showing 3 to 3 of 3 entries

Previous 1 Next

Class Id

Enter class id

Name

Enter Name

Enrollment No

Enter enrollment no

Add Student

Go Back

Upload File

Update Class Info

Show 10 entries

Search

NO.	Class Id	Enrollment No.	Name	Action
1	IT-3	IT1902	Yash Jain	
2	IT-3	IT1903	Poojan Patel	
3	IT-3	IT1904	Nirav Patel	
4	IT-3	IT1905	Jay Monpara	
5	IT-3	IT1901	Harsh Thakkar	

Select Class Id -

Enter enrollment no

Add Result

Go Back

Upload File

Upload File

Choose file

Upload

Show 10 entries

Search

NO.	Enrollment no	Class Id	Results	Action
1	IT1903	IT-1	See result	
2	IT1902	IT-1	See result	
3	IT1905	IT-1	See result	
4	IT1904	IT-1	See result	
5	IT1904	IT-2	See result	

CONCLUSION

The present research was based on the computerization and the implementation of a sophisticated Web-Based Student Result Management System. The main objective was to enhance and automate the management and declaration of students' results using a computerized system. A well-defined, efficient, controlled and managed information system or software based on web technology storing, processing and providing information through the internet. And the objectives were achieved by following a process model such as system analysis, design and system implementation.