

A Survey on Improvising the Performance of Student in Curriculum through online examination

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Submitted: 10-08-2021

Revised: 25-08-2021

Accepted: 28-08-2021

ABSTRACT: Technological advances in various teaching methods are increasing. Some refer to PPT for presentation, some refer to model-based learning, and some refer to fieldwork teaching. But to make it more advanced, some intelligent teaching systems of the future were also created and huge research work is going on in this field. In this work, we proposed an intelligent education system to teach information security.

These intelligent teaching methods target students enrolled in advanced disciplines in the field of information security in the disciplines of engineering and information technology in a variety of academic environments. Through which students can study the curriculum and solve related problems. Intelligent teaching methods were evaluated and the results were promising

Keywords: Tutoring, Intelligent, Model based, PPT

I. INTRODUCTION

Online exam content providers focus on creating effective assessment questions and distributing exam feeds to students. In the paper I present techniques related to the components of the evaluation process: answer submission, computerized classification and feedback after submission. Since modern organizations are automated and work according to computer instructions, it becomes necessary for the coordination of man, objects and computers in a modern organization Instructors. conducting online research, students can interact with the system through this project and thus facilitate effective implementation and monitoring of various activities of online exams, such as conducting exams on time and giving results for specific use or for students. And the details of the students who have taken the exam online are kept with the

administrator.

The software methodology previously includes the object-oriented methodology and the application system development methodologies. This process is described below. Although there are an increasing number of applications (such as decision support systems) that should be developed using an experimental process approach such as prototyping, a significant amount of new growth work continue to involve major operational applications of large scope. the application systems are huge highly structured. User task perception and developer task proficiency is usually high. These aspects suggest a linear or iterative assurance plan. The most common method for this stage class of problems is a system development life cycle modal in which each stage of development is well defined and has uncomplicated requirements for result, feedback and sign off. the life cycle of system is described in detail since it continues to be a pertinent methodology for a consequential part of new development work. The concept of a system evolutionary life cycle is an understandable process by which applications are created and developed and executed.

. the life cycle gives formation to a creative process. In order to supervised and control the evolution effort, it is essential to know what should have been done, what has been done, and what has yet to be consummate. Systems provide the basis for expression management and control in the development life cycle as they define the division of labor flows, which can be identified for directorial purposes and describe the documentation or other deliverables that emerge at each stage. the stages in the life cycle for statics system development are report differently by distinct writers, but the distinct are primarily in the amount of essential and manner of categorization.

there is a general concurrence on the flow of evolution steps and the essential for control procedures at each period.

The information system development cycle for an application consists of three major phases.

- Definition.
- Development.
- Installation and operation.

The first phase of the procedure, which defines the information requires for a beneficial cost-effective system. The necessity is then translated into a physical system of forms, approach, programs etc., by the system design, computer programming and procedure evolution. The resulting system is test and put into functioning. No system is ideal so there is always a need for maintenance or preservation changes. To complete the revolution, there should be a post audit of the system to evaluate how well it and how well it meets the cost and performance specifications. The phases of definition, development and installation and working can therefore be divided into smaller steps or phrases as follows.

Definition

•Proposed definition:

Proposed applications of request for preparation.

•Feasibility assessment:

Evaluation of usefulness and cost benefit of proposed system.

•Information necessity analysis:
resolution of information needed.

Design

•Conceptual design: User-friendly design of application development.

•Physical system design: Detailed design of flows and processes in applications processing system and arrangement of program identification.

Development

•Program development: committal to writing and testing of laptop programs.

•Process development: Design the process and create user instructions.

II. RELATED WORK

The decision tree created by the above method may have good classification ability for training data but may not have good classification ability for unknown test data; that means overzealous events can happen. To make the tree easier and more generalized you need to prune the bottom of the prepared tree. In particular, it removes more divided leaves, returns them to

parent or higher nodes, and then converts parent or higher nodes into new leaves. If the number of features is large, features can also be selected at the beginning of the decision tree learning Leaving only those features that are. It can be seen that the decision tree learning algorithm includes feature selection, decision tree formation and decision tree pruning process. Since the choice tree represents a probability distribution, the various depths of the selection tree area unit related to the possibility model of various qualities. (The generation of the decision tree is related to the local selection of the generation model and the pruning of the decision tree is related to the global selection of the model. World Optimal [2])

The classification machine plays an important role in bending, sample identification and data analysis. Recent classification and prediction algorithms are among the most recent solutions for making wise decisions by extracting relevant information from historical / big data. Furthermore, significant advances in the ability of computers to store and process information have greatly enhanced the invention of machine learning algorithms and techniques. Therefore, machine learning algorithms can be classified into four categories:

(1)Supervised learning;

(2) Unsupervised education;

(3) Semi-supervised teaching; And

(4)Reinforcement education. Regarding supervised machine learning, there is several prediction algorithm (or) approaches in the literature such as kth nearest neighbors, naïve bays, decision trees, support vector machines, logic regression, and random jungle. All these classification algorithms are trained first using historical data. After that, the trained forecast model is working in the assigned application environment. [3]

It is very important to increase the success of students and the level of education in all educational institutions. An in-depth study of students' past history will play an important role in imparting quality education to students. EDSS provides study and optimization of student outcome prediction methods. Based on predictive findings, average results and success will improve in both the middle and final stages if student needs are met on time. Important features and prior data of students are obtained for the purpose of performance review and estimation. To get a better understanding and prediction, various methods of machine learning and classification algorithms are then applied. The aim of EDSS is to reduce the rate of failure, strengthen the educational environment and evaluate the main features and take into

account the success of the students. This helps us to create predictive models that are useful for predicting outcomes. It not only helps to improve students at risk, but also provides information and insights on how to prepare the educational process for the next year. In recent years different machine-learning type algorithms such as Na Bayve Bayes, decision tree, neural network, search by outsiders and sophisticated statistics have been used. these strategies are used to obtain information on student information, to support decision support systems, and to track trends. is used for removal. Students academic performance is usually calculated by previous intermediate exams, but there are other important attributes that affect students' overall performance Several systematic and statistical research experiments on students databases have recently been published. [4]. Educational Data Mining (EDM) is concerned with developing and modeling methods that seek knowledge from data generated from the educational environment. this paper introduces the use of data mining methodology in CSC207 (Internet Technology and Programming I) to study the performance of students in 200 level courses in Computer, Library and Information Science. Data mining provides a number of approaches that can be used to study student performance, classification work is used to evaluate student performance in this work, and a number of methods can be used to classify data, including decision class methods. In this work, decision plants were used which include BF Tree, J48 and CART. Student attributes such as attendance, class tests, lab work, assignments, previous semester marks and last semester marks were collected from the student management system to estimate performance at the end of the semester exams. This paper also examines the

accuracy of the various decision tree algorithms used. [5]. the main asset of universities / institutions is the students. Student performance plays an important role in producing the best graduates who will be the viable leaders of the future and the manpower in charge of the economic and social development of the country. The performance of students in universities should be a concern not only for administrators and teachers but also for other stakeholders. Educational success is considered a key factor when recruiting workers, especially among fresh graduates. thus, in order to meet the demands of the employer, students have to put the most effort into their studies to get good grades. thus, in order to meet the demands of the employer, students has to put the most effort into their studies to get good grades. the CGPA measures the academic performance of the total students where it averages the grades of all the examinations of all the semesters during the tenure of the university.

Data mining helps to extract the relevant information from the large and complex databases. Data mining techniques are useful for data analysis estimates. Classification is a supervised learning technique that helps to classify predefined class labels. there are various classification techniques for creating classification models such as decision tree algorithms, neural networks and genetic algorithms. This classification model helps to predict future trends based on previous patterns.

This paper proposes a classification model specifically for decision tree algorithms to predict future grades in student's final exams. the WEKA tool kit model is applied for construction and analysis. this is an estimate of four classes, especially for engineering students. [7]

III. COMPARISON ANALYSIS

Table. 1 Comparison analysis of previous system and proposed system

Comparison Chart			
	Previous Method		Current Methodology
1	The existing system is a manual in which users keep books to store information such as student details, trainer details, schedule details and feedback on students who have tried the exam on schedule. Historical data is very difficult to maintain.		Students can sit at the personal terminal and login to write the exam on an objective basis for a given period of time. Students want to ask questions. This application will update, display results quickly, and store them in a database This application provides the administrator with a facility to add new exams, add questions to the exam, modifies questions in the exam. This application takes care of the certification of the instructor as well as the students.
2.	A lot of copies of the question paper had to be made Many correction work thus delays results and multiple table functions for the results of each subject		The purpose of the online examination tool is to provide the users of this system with good information for the best results for their maintenance in the examination schedule and

		grading details of the students.
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IV. OPEN CHALLENGES

The existing system is a manual in which users keep books to store information such as student details, trainer details, schedule details and feedback on students who have tried the exam on schedule. Historical data is very difficult to maintain. [8]

The following challenges to the existing system emphasize the need for improvement in the proposed system:

1. Lots of copies of the question paper have to be made
2. Much of the improvement work therefore delays the outcome
3. Lots of tabulation works for the results of each subject

V. FUTURE SCOPE

This application avoids manual work and related issues. This is an easy way to get information about the various scheduled exams currently issued. Well, I have worked hard to present a better website than the existing one in terms of information on various initiatives.

The enhancement with respect to searching option which can directly search to the particular student details from this site. [9]

VI. DISCUSSIONS

Discussion has been made practically for involving the students ability and dealing with it to find the best in them always been a helping parameter in any type of tutoring. To achieve these researchers always tries to put an extra effort to increase the involvement of students and learn it as a part of better understanding and detecting the wide range of problems during the tutorials. Since tutors followed the program design as intended, the results were much familiar with expected output. Specially mentioning to various types of online tutoring services they focus on the basic idea of learning by practical. Some previous research showed that individualized and small-group instruction enhanced the positive effects of a various online tutoring services. Apart from these teachers are always trained to prepare for maintaining the content of tutor materials by referring to stress free examples of the topics included. Equally important, teachers were trained to use the Standard Solutions (2006) test- taking strategies while working within the curriculum. [10]

VII. CONCLUSION

In this way, we uses the enhanced platform that may access intelligently to provides and perform various functions with the on-line educational system in order to increase the accuracy of the tutoring system. The basic intentions to improve the real scenario among students and teacher and will increase to make a better understanding. An overall improvisation can be achieved by making students grasping capacity in order to get good result without any stress. This research makes an individual under consideration for those who will give proper time and effort in completing the course successfully.

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