

Platform Development for Online J.N.S.E

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Abstract—

1. Jr. Newton Talent Search Exam is a scholarship examination for students from standard 3rd through 9th aimed at increasing the awareness amongst students regarding the necessity of competitive exams in the life of students, since an early age.

2. The examination is a 7 year educational program designed by educationalists to prepare students to face the competitive educational environment and achieve the standards and grades that will be accepted and appreciated in the long term race.

3. It helps the student to get an overview of the competitive exams at an early stage, prepare and test their skills along with attractive prizes for the achievers at different level like taluka, district and states.

4. Current feature provide the students only to register themselves for the upcoming exams and attend them at the examination centers.

Index Terms- examination, online payment,e-learning,e-mail,sms.

I. INTRODUCTION

J.N.S.E is a initiative taken by the Brilliant Publishers and Brilliant Info Systems to take this modern trend of online examination to the grass root level in the society as well as the very starting stage in school where students can participate and also win attractive prizes putting them in the habit of winnings from very starting and irrespective of belonging to remote areas. Jr.Newton talent search Examination has conducted two exams in two years after being launched, where students from taluka, district level participated. Brilliant publication conducted this exams at different examination centers where participants gave exam in

Manuscript received March 23, 2014.

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orthodox way, this new vision of integrating online examination tool with multiple different modern tools and making them available to everyone participating and encouraging others to join this new way is the driving force behind the development of J.N.S.E.

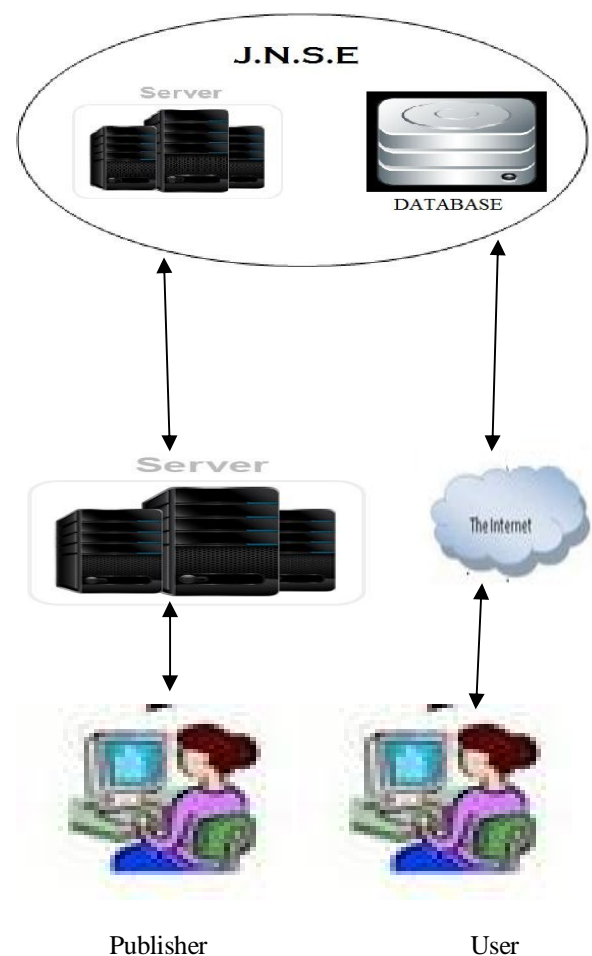


Fig 1: System Architecture Diagram

II. EXISTING SYSTEM

Services provided by the existing application are :-

- Registration for upcoming exam
- E-Books(Books and their Prices)
- Distributers (List of the Distributers for purchasing of books)

III. PROPOSED SYSTEM

Proposed work for this project aims at developing the portal at every front possible integrating various tools and technology such as:-

- Online Examination (Mock and Final)
- E-learning (Videos , Ready to Download E-books)
- Online Shopping and Online Payment
- Enhanced Graphic Features
- E-mail/SMS integration

IV. EXPERIMENTAL STUDY

In this, we shall look at the four main design components for an online Examination system.

A. Online Examination:

This module is designed for allowing students to give exams online Demo and Final online examination. User interface for this module is an web page with Multiple choice answers type questions, where students have to select/tick any one choice from the given four options and with a time indicator and a list of answers that are selected or kept for reviewing using different color code on the right Hand side of the exam screen. This module will take the answers selected by the students and after the exam is ended it will check the complete answer sheet and then declare result using different graphical representation. Input to this Module is the answers selected by the students for the MCQ's and the results which are declared by the system after the submitted answer sheet is checked will be output. GUI for the standard online examination along with other message structure showing different messages that will arise as a part of validation. For every exam their will limited time deadline allotted to the students before which they have complete or submit their answers. For every question students can change their answer as many times they want to but before exam time ends.

1. Students need to login using their login id through student login.
2. Students have to start and attempt the exam within the allotted time.
3. If students fail to submit their answer sheet the answers which are selected will be treated as final answers and evaluated.

B. E-Learning:

This module is aimed at providing students with an complete interactive studying environment online using video's and other educational tools. This module will help students to surf through different categories of educational videos and books that available for students to go through and refer for preparation. Only input to this function is the choice of video/book from the given list of various other and playing of the video selected by the user or displaying the content of the selected book in readable format.

- 1) Students need to select e-learning option from the tools menu.

- 2) They have to select category of the video/book they want to view.

- 3) Select the appropriate video/book.

C. ONLINE PAYMENT:

This module regulates the function of allowing user to pay for their purchase online itself using their credit/debit card. User while paying for the purchased items can use this function and fill the necessary credit/debit card information for the truncation to be carried out. After user has decided the list of the things to purchase he can precede to online payment option, where the list of total items purchased and the total price will be basic input and then the details of the card through which the payment will be done. Output of this function will be the Receipt of the payment done which user can download as well as take the print. For the entire payment validation there will be period of time, after the expiration of that time user need to try again by refreshing or clicking the required button again.

- 1) Select the items to be purchased (add to cart).
- 2) See the total amount.
- 3) Select mode of payment.
- 4) Fill necessary information of card for payment.

D. E-MAIL/ SMS INTEGRATION:

All the registered member will be provided with free update service through sms /e-mail service. Updates regarding the examinations will be provided on a real time basis through messages and e-mails to keep students and parents involved in the examination process and provide better services to the users to enhance their experience.



Fig 3: Home Page.

Fig 4: Registration Page

Fig 6: Co-ordinator Login Page

Fig 5: Student Login Page

Fig 7: Online Exam Page

FIG 8: E-LEARNING PAGE

Please tell us how you'd like to pay.

Fig 9: Online Payment Page

V. ADVANTAGES

1. Jr. Newton Talent Search Exam is a scholarship examination for students from standard 3rd through 9th aimed at increasing the awareness amongst students regarding the necessity of competitive exams in the life of students, since an early age.
2. The examination is a 7 year educational program designed by educationalists to prepare students to face the competitive educational environment and achieve the standards and grades that will be accepted and appreciated in the long term race.
3. It helps the student to get an overview of the competitive exams at an early stage , prepare and test their skills along with attractive prizes for the achievers at different level like taluka , district and state.
4. Current feature provide the students only to register themselves for the upcoming exams and attend them at the examination centres.
5. Currently, the educational system allows students from 3rd to 9th standard to be promoted to higher classes even in the absence of good grades i.e. students are promoted to higher classes even when they have not passed their school examinations.
6. The use of interactive and online services for testing their knowledge at every stage of academics.
7. Providing the user's with advance educational environment, tools and techniques that will attract many students from different educational boards.
8. Implementation of new tools to help the students take this exam from home and also tools that will ensure unfair means are avoided during examination.

VI. CONCLUSION

Our application will implement features that will ensure that students are more attracted towards online examinations and will ensure that they start learning from an early age. The application will implement newer technology for security that will ensure no cheating will be allowed during the exam. It gives a platform for developing similar exam portals which may be able to sustain even more traffic and higher number of students giving online exam.

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