

Instant Exam Paper Generator

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Abstract - Education System is the most important part of our societies. Hence examinations play a vital role in testing student's performance. And because of this it is important to have a smart development question model for increment of students and to test their learning skills thereby keeping a check on student's performance. Generating an effective question paper is a task of great importance for any educational institute. The basic method, where professors manually prepare question paper, it is very tedious and challenging. Generating an effective question paper is a task of great importance for any educational institute. The traditional method, where lecturers manually prepare question paper, is very tedious and challenging. Hence, with the help of this technical paper we present the solution in form of Automated Question Paper Generator System (AQPGS) which makes use of Fuzzy algorithm. So automatic paper generation software make it easy and efficient for universities to generate question papers using different algorithms.

Key Words: Instant Paper Generator, Automatic paper generation, Question Paper.

1. INTRODUCTION

The professors spend their precious time in designing the question paper which is a not valuable in these days and expected to be active researchers while being effective lecturers. For examination purpose, the question paper creation is very important and long process in an educational institutes, universities and training centers. In such circumstances it is expected from lecturers to handle larger groups of students and in order to maintain quality education lecturers must do more in less time.

The teachers or professors need to spend their precious time in selection of questions and creating the question paper. To overcome these issues automatic question paper generation systems are implemented. The primary characteristic of these applications is that it can reduce human efforts, more efficient, secure and reliable Related Work

The Following table shows the Comparison of above four reference paper:

2. Comparative study

We have studied following papers for Automated Question Paper Generation and the detail description of comparison is shown in Table 1:

- 1) Android Based Exam Generator: Proff. Mrunal Fatangare et-al has implements the android application for Exam paper Generator [1]. In this application they were used android computing. They implement the randomization algorithm for selection of questions. This application cannot select repetitive questions. But the drawback of this application is that there is no difficulty levels are defined.
- 2) Automatic Question Paper Generator System: Proff. Alka Leekha has implements the algorithm is illustrated in the paper by using four constraints namely question paper format, coverage of syllabus, coverage of difficulty levels and coverage of cognitive level [2]. The algorithm presented is extensible to support any number of user defined constraints.
- 3) Fuzzy Logic Based Intelligent Question Paper Generator: Proff. Suraj Kamya et-al has implemented the paper in which fuzzy logic based model is proposed for autonomous paper generator system [4]. In this paper, while framing a question paper number of parameters to be considered; like difficulty level, numerical and theoretical content of the paper, weightage of questions according to marks etc.
- 4) Question Paper Generator System: Miss. Surbhi Choudhari et-al has implements paper in which they were proposed a model system for smart question paper generation of universities [3]. The mechanism behind this system is that many random question papers are generated along with the difficulty level of the questions in terms of percentage.

The Following table shows the Comparison of above four reference paper:

| Sr. No. | Paper name | Domain Name | Algorithm | Techniques | Implementation Platform | Advantage | Disadvantage |
|---------|--|-------------------|-------------------------------------|-----------------------------------|-------------------------|--|--|
| 1. | Android Based Exam Paper Generator | Android computing | Randomization Algorithm | Taxonomy levels. | Android | No repeated questions are selected. | No difficulty levels are defined. |
| 2. | Automatic Question Paper Generator System | Networking | Verification phase Algorithm | Prevailing Paper-based Systems | Java | 1.Information storage and retrieval 2.security,performance,data encryption | System improves storage utilization |
| 3. | Fuzzy Logic Based Intelligent Question Paper Generator | Cloud computing | Fuzzy logics | Skeleton generation | Cloud computing | 1. Make some improvements based on DPDP model 2.Complexities of server and client side are reduce | 1. Performance evaluation needed three aspects computational complexity, communication, complexity and additional storage. |
| 4. | Question Paper Generator System | Cloud computing | Cloze question generation Algorithm | BST(Business Software Technology) | web-Based System | 1. Secure data from unauthorized person. 2. Common secret key for participants. | 1.verification object should be small |

3. CONCLUSIONS

In such way, we have studied the various reference papers for Automated Question Paper Generator. From the above comparisons, we have concluded that while framing question paper some difficulty levels are considered, while in some papers constraints about questions are considered. In some other paper randomly questions are selected from database. In some another cases fuzzy logic based model is used for question paper generation also there is a record maintenance is done by admin.

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