**Automated Question Paper Generator (AQPG) with Blooms Taxonomy Evaluation (Version 2)**

In today’s age, education is the most important way of achieving success. When we discuss education, it is imperative to mention tests and examination. Examinations prepare students in their quest for knowledge. So, having a proper examination paper and format is quite necessary. Education has become an important part of our day to day life. Hence examinations play most important role in testing students’ performance and eligibility. And that is why it is important to have a smart development question model for growth of student as well as to test their learning skill thereby keeping a check of student’s performance. An examination is an important activity for educational institutions that is used to assess the students’ performance and his or her progress. To check a student’s potential fully the questions must be of that nature that challenge the minds of the students and determine the quality of student’s that will be produced by that institute.

Now the traditional method of generating question paper has been manual. In this method certain officials chalk out the question paper. But this method can be ineffective at times owing to bias, repetition and security concerns. Preparing the exam questions is very challenging, tedious and time consuming for the instructors.

Thus with the help of this paper we present the solution in form of Automated Question Paper Generator(AQPG) with Blooms Taxonomy evaluation which makes it easier for the examiner to generate question papers which challenge the intellect of the student as well as check their progress. This system includes several modules like user administration, subject selection, question entry, question management, paper generation etc. With the randomization algorithm used by us, the user needs to specify the subject and the question type. From the entered input, the examination paper will be generated automatically and the final paper is stored as “.PDF” files.

The system shows characteristics like simple operation, a great interface, good usability, immense security, and high stability along with reliability. In order to make a question paper the user have to select the type of examination and need to enter the no. of questions should be included in the question paper and hence the system will generate the question paper accordingly. The software will empower the college with a powerful tool to generate question papers in a very short span of time thus saving a lot of their precious time.

Apart from the Alpha version we will be introducing the following additional features

* Application will be running on a completely web based platform.
* Improved UI.
* Provision for adding images to questions if needed.
* Application will be made available for all the departments (not only MCA).
* Improved knowledge level prediction making using of machine learning.
* Appropriate email notifications.
* System will be now using an improved version of the shuffling algorithm.
* Duplicate question detection based on the semantic concept making use of the Natural Language Processing (NLP) Concept.
* Customizable question paper generation (\*)
* New improved table based Blooms Taxonomy Evaluation result presentation.

(\* last priority)