



## ONLINE SECURE QUESTION PAPER DELIVERY

(A WST-Apps Suite Service)

The most sensitive part of the functioning of an Examination Department of a University is Security in Question Paper Delivery from University to the Examination Centers. This is one Pain Point of the Examination department, as this function is always under scrutiny of the observers, governing bodies, and the Media.

We, **WeShine Tech Pvt. Ltd.** are a company who does fully appreciate the seriousness of Question Paper delivery in Universities, and have developed a unique fool proof solution, which provides Question Paper Delivery from University to the Examination Centers an impregnable security. This is a proven Solution, and our clients, who are Large Universities in Maharashtra are the happy customers of this solution, and the cases of Question Paper Leakage have reduced virtually to zero.

The Renowned names in this list include Savitribai Phule Pune University, Mumbai University, Babasaheb Ambedkar Marathwada University Aurangabad (MS), Babasaheb Ambedkar Technological University and Swami Ramanand Teerth Marathwada University Nanded.

## WHAT WE OFFER?

We offer a complete END to END solution for question paper management and delivery. A brief outline of the Process is enumerated below.

### 1) Paper Setters Appointments.

We begin the system by sending appointment letters to the paper setters and the chairman of the particular Subject. We sent this information via an email and also via SMS. Reminders are also sent on a regular basis, if the paper setter fails to submit the question paper on time. Detail Log of when the Question paper was submitted, by whom and how many paper sets are yet to be submitted is maintained in the system and is easily available to view.

### 2) Typing in OQPD (DTP)

We do the entire Data entry and formatting of the question papers. We have experts in our team who fulfill the task of reviewing and proof reading the question papers. The question papers are typed and PDF files are generated on the system. The process can be described in short as below.

- Handover Sealed Question Paper Envelops for Typing in secured environment
- Shortlisting of QP Datewise, Timetablewise, Facultywise etc.
- Typing(convert to softcopy) accordingly
- Review/ Proof Reading

### 3)Uploading and delivery of the Question papers.

Once ready the question papers are uploaded on the secured servers and they are now ready for dispatch. Only valid college accounts will get access to the system and the question papers , about an hour before the exam,. The question papers will now be downloaded and distributed to the students. Access will be given only to the colleges who have those particular exam, or who have students appearing for that particular exam.

## SECURITY FEATURES

*WE CLAIM THAT OUR SYSTEM IS THE MOST SECURE SYSTEM AVAILABLE.*

### 1) Face Recognition

Face recognition can be enabled as an Main feature for fool proof-ness.

It add an extra layer of security for the user to download question paper with the valid and authenticated registered face.System Admin's face is captured and saved on the system. When the person logs in his photograph is clicked and only if it matches with the photograph present with us, the person is able to login. His present photo is saved in the system.



### 2) Watermarking/secret code while printing

Every question paper has a random unique secret code/watermark which enables the admin to trace the time, place and date of question paper being downloaded. This watermarking helps us in tracking the culprit in case there is leakage of question paper.



### 3) Multiple question paper sets can be uploaded

We can upload multiple question paper sets of same subjects. And the system at the time of delivery picks any one set randomly before sending. The other sets are saved in our question bank.

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### 4) Logs

Powerful and in-depth logs are maintained by the system to keep a check on its usage.

Few of the most important features of the Log:

- a) Login time and date.
  - b) Document download details which include:  
Downloaded by date/time Security
- 



### 5) OTP Login Passwords on SMS

One Time Passwords for each session on login on registered mobile phone. This is the same security level as provided by banks for online access to accounts.

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### 6) HTTPS

The documents will be shared via HTTPS protocol. Thus the entire communication between the host server and the client will be encrypted.

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### 7) Use of BCrypt Library for Passwords

BCrypt is an extremely secure way of saving passwords. For more details about BCrypt library please refer to the link <http://en.wikipedia.org/wiki/Bcrypt>

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### 8) SSL-based traffic

SSL protocol used for all web based traffic.

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### 9) Passwords reset only at the Host Side

The passwords can be reset only at the Host side as per the client request.

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## GENERAL POINTERS

Online Question Paper Delivery System uses open source technology.(Apache / MYSQL)

Thus there is no license costing involved

Online Question Paper Delivery System is platform independent (Linux/Windows)

## ONLINE QUESTION PAPER DELIVERY PROCESS



A WeShineTech Product

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