

# Question Bank (QB) Authoring Application



The QB Authoring Application refers to the Application that enables the Question Paper bank to be authored & managed. The application enables multiple team members to work on the question papers across multiple examinations, culling out questions for an exam from the question bank, manage the Subject Matter Expert (SME) along with the questions allocated to them and their tasks, draft questions, review questions, view reports related to the question bank and activities performed within the application as well as generate the question bank to be used in the examination.

## Top 3 Modules of QB Authoring Tool

1. QB Master Management
2. Question Bank & Question Paper Management
3. Reports Management

## Key Features

- Question Type Supported
  - Single Choice Objective
  - Case based Single Objective Question
  - Multiple Response Objective Question
  - Numeric Response Question
- Images based Questions / Responses
- Focused feedback and review
- Flexible review iterations
- 4 levels of content hierarchy
- Content hierarchy based SME assignment
- E-Mail Alerts

## Security Features



### Granular Access Control RBAS

We have a Role Based Access System, providing granular control over user permissions. This ensures that individuals have precisely the access they need, enhancing overall security.



### OWASP Compliant

Adherence to the stringent guidelines set by the Open Web Application Security Project (OWASP), ensuring that the system is built with security in mind.



### Secured Portal with HTTPS and SSL/TLS

Portal has HTTPS encryption with SSL/TLS, ensuring a secure and encrypted connection for all user interactions.



### Advanced Data Encryption

Implemented AES-based encryption during the transfer of information this ensures that sensitive data remains confidential and protected against unauthorized access.



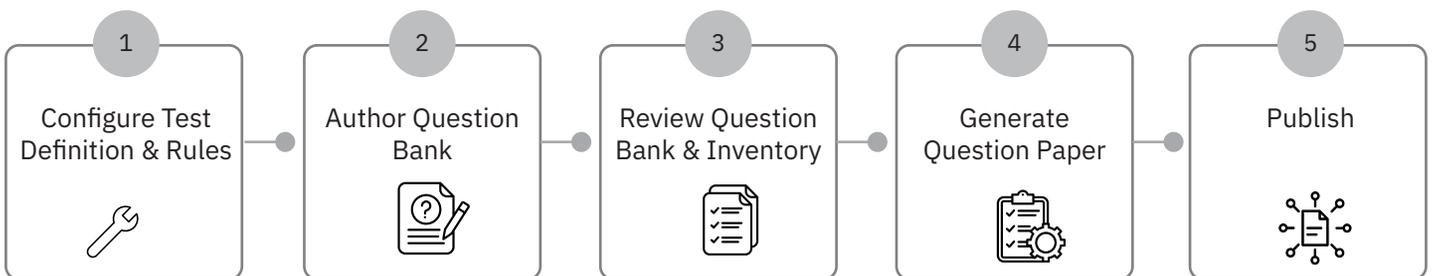
### Restricted Access via VPN

Access to the system is restricted solely through a Virtual Private Network which adds an extra layer of protection by allowing authorized users to connect securely to the system.

## Benefits

- ✓ Centralized digital repository of question bank of various subjects.
- ✓ Flexible and focused review system for reviewing all the questions under defined parameters. Review cycle can be of multiple rounds depending on feedback / review comments.
- ✓ Single Application to manage question bank authoring, reducing dependencies on excel and emails.
- ✓ Ease in managing the historical question papers thus avoiding repeated use of same questions in multiple exams.
- ✓ Ready dashboards to monitor the activities of various SME & Reviewers.
- ✓ Advance filtering of questions on various question parameters.
- ✓ On-time and accurate delivery of question paper due to continuous monitoring and focused review approach resulting in minimal grievances post exam.

## Process Flow



## Long Term Focus

1. Real time question duplication checks on the basis of meaning of a question and not just text.
2. Integration with exam engine to directly push question papers for examination.
3. SMS & Whatsapp based alerts for SME / reviewers to complete their tasks.
4. Workflow redirection of question paper via initiator or Question Paper manager to reduce review cycles.

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