QnSmarti

4.0 – Powered by *deQ AI*

Question Bank **in a Day...**
Question Paper **in a Minute..!**

**OBE-aligned and AI-assisted
Question Bank Management and
Question Paper Generation Software**

Traditional CoE Operations

01 Preparation of Question papers

- Search, Identify and Approve multiple question paper setters
- Provide them model question paper, syllabus and blueprint
- Collect the question papers and answer keys/schemas for valuation
- Pay each question paper setter

02 Scrutiny of Question Papers

- Recruit Scrutiny Experts
- Provide them the question papers, syllabus and COs
- Collect the verified and corrected question papers
- Pay each Scrutiny Expert

03 Printing the Question Papers

- Convert handwritten/typewritten questions to DTP format
- Set headers, instructions, alignment etc
- Ensure that everything is accurate
- Store the question papers securely

04 Execution

- Maintain the BOE (Board of Examination) for executing these processes
- In case of deviations, revisit the above processes
- Keep everything confidential all the time

Traditional CoE Operations

Still Lot of Worries...

Is everything right?

Typographical errors?

Out of syllabus?

Grammatical errors?

Syllabus coverage?

Too much repetition from old QPs?

Proper CO assessment done?

Are the instructions correct?

Any topic repeated?

Did we miss something?

Repeat this

For each course

Semester after semester

Year after year

Proper CO assessment done?

& that's a lot of money!!!

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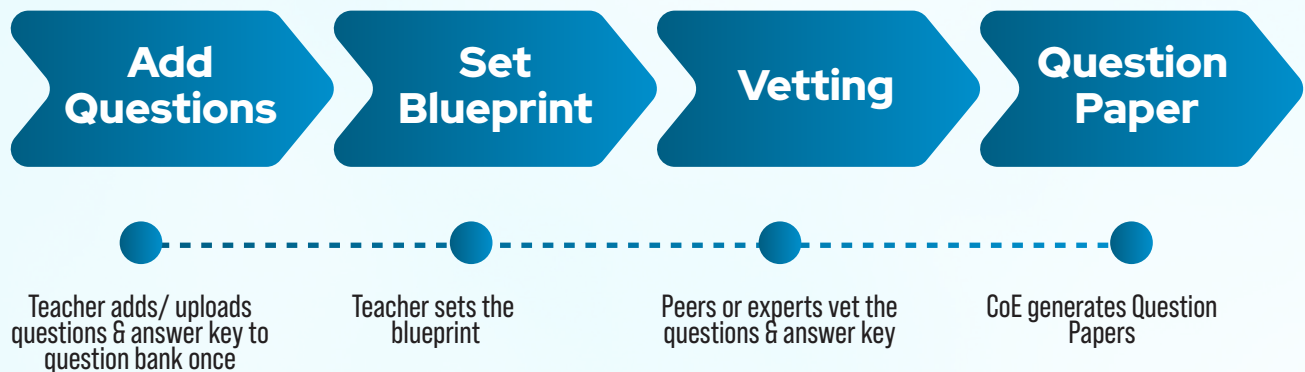
The Smart Way

QnSmart i
4.0 – Powered by *deQ AI*

OBE-aligned and AI-assisted Question Bank Management and Question Paper Generation Software

Created by Academicians for Academicians

Tried, tested and Proven in Government universities and Autonomous Colleges

The *QnSmart i* Solution

Add Questions → **Set Blueprint** → **Vetting** → **Question Paper**

Add Questions	Set Blueprint	Vetting	Question Paper
Teacher adds/ uploads questions & answer key to question bank once	Teacher sets the blueprint	Peers or experts vet the questions & answer key	CoE generates Question Papers

Super Easy

Efficient

QnSmart i – the 'super saver'

➤ Perpetual License with One-time initial implementation Cost

➤ Saves the usual recurring cost for Question Paper setters and other logistics associated with conducting examinations. Most Institutes have seen ROI in the first year itself.

➤ Saves the time required to prepare question papers as well as question banks

➤ Opportunity to generate revenue through on-demand examinations.

QnSmart i
Implementation Process

Hosting

IPSR Hosts the software on a Cloud or Local Server provided by the institution

Onboarding

Setting up of Templates and enrolling the Programmes, Courses and Users

Hand-holding

With IPSR's mentoring and hand-holding support, Faculty members prepare the Question Bank and Subject matter experts vetts it

Training

Faculty empowerment workshops on Bloom's Taxonomy, Insights on OBE and Framing of Quality Question Banks

Generation

Closed Question Banks are accessible only to the COE. COE generates quality question papers within minutes, from the perennial question Bank.

Question Bank preparation
(Faculty Members)

Option 1

Excel Upload
Bulk upload of questions using MS Excel (xlsx) templates

Option 2

Direct Input
Directly type in / paste questions into the interface, add images, tables, equations etc

Option 3

AI-Assistance
Generate questions and answer keys using AI-Assistance, and add into the bank, after review.

With AI- Assistance, the Question Bank can be prepared in **just a single day**

Question Bank Vetting

➤ Vetting / Scrutiny of the Question Banks by experts, can be done either online or offline

➤ Provision for **Multi-level Vetting** – By Faculty Members and by Subject Matter Experts (more than one experts, as per the institutional policy)

➤ Once the Vetting process is completed, the Question Banks will be closed

Question Paper Generation

COE generates Question Papers for the Semester End / Supplementary Examinations

COE / HOD can generate Question Papers for Internal / Mid-Semester Examinations

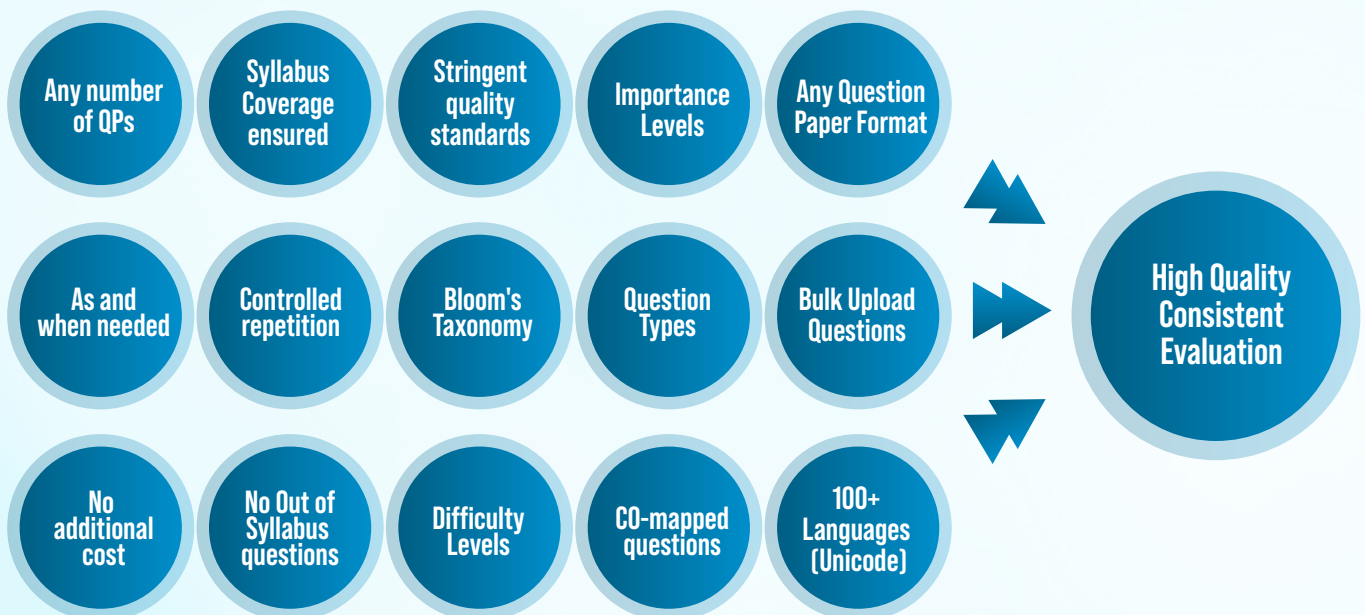With QnSmart i, Quality Question Papers can be generated **in a minute**

The *QnSmart i* Benefits

➤ **Prepare Question Bank in a day & Generate question papers in a minute**

➤ The ML model + Heuristic + Randomness ensures **transparency**

➤ **Outcome Based Assessment** with Quality Assurance

➤ Manage Question banks with **good quality** and use/reuse them forever

➤ Raise Teaching Standards

➤ **Confidential, Secure and Cost Effective**

➤ Strong encryption practices for data protection and confidentiality

The *QnSmart i* Benefits

- Any number of QPs
- Syllabus Coverage ensured
- Stringent quality standards
- Importance Levels
- Any Question Paper Format
- As and when needed
- Controlled repetition
- Bloom's Taxonomy
- Question Types
- Bulk Upload Questions
- No additional cost
- No Out of Syllabus questions
- Difficulty Levels
- CO-mapped questions
- 100+ Languages (Unicode)

→ **High Quality Consistent Evaluation**

OBE Implementation - the Right Way

01 A quality question bank is the **crucial first step** for OBE Implementation

02 Senior Academicians will **train the faculty** on OBE & Question Bank Preparation

03 **All the faculty** members will be involved in the preparation of Question Bank

04 This ensures clarity about **Knowledge levels** and their **link to the COs**

05 Questions will be framed based on **Bloom's Taxonomy** levels & **mapped with COs**

This process enhances teaching quality and assists outcome attainment

Hassle-free Examination Process

➤ Generate **question papers** whenever required - Internal, Semester End, Supplementary and On-demand Exams - **at no extra cost**

➤ **Eliminates** various logistics and security **overheads**

➤ Perennial Question Banks: Prepare once, **Use or repurpose for ever**

➤ **Distribution of Work:** Different User Roles allow the sharing of responsibility and bring academic autonomy to teachers.

The *QnSmart i* Advantage

➤ **Accreditation-friendly:** Implementation of Best Practices helps in national and international accreditations like NAAC, NBA, NIRF and ABET

➤ Real **Outcome-based Evaluation**

➤ **Data** from QnSmart i can be used **for calculation of Outcome attainment**

➤ **75+ reports** helpful **for quality assurance and accreditation**

75+ Smart Reports from QnSmart i

Question Bank Quality

Question Distribution

Question Paper Quality

CO Mapping

Expert Vetting

Role allotment

and many more...

The Masterminds

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