



# AI PAPER GENERATION SYSTEM

By **PAK-AGENTS**





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# PROBLEM STATEMENT

## **(Challenges to create Question Paper Manually)**

- Time to create Question Paper manually is very high and requires lot of labor.
- Maintaining same level of bloom taxonomy in each section is also difficult.
- Ensure that all topics are covered throughout the paper is also another challenge .



# SOLUTION OVERVIEW

## ***(Generate Paper through AI-assistant)***

- Quickly generates Question paper
- Ensure whole the syllabus is covered throughout the paper.
- Maintain required Bloom's taxonomy throughout the paper



# INTRODUCTION

**MAX PDF =10**

- **A smart educational assessment tool that generates Question Paper (containing long questions , short questions, multiple choice questions) using LLMs from PDF/DOC through a pipeline process.**
  - **System may ingest multiple PDFs to create Question Paper.**
- 

*(From ingesting pdf to exporting question paper ( Json file) known as pipeline process )*

# AUTOMATION TERMINOLOGY

**INGESTION**



**OCR &  
PREPROCESSING**



**SEMANTIC  
CHUNKING**

**(System  
Ingest  
Multiple  
PDFs  
through  
user  
interface)**

**(OCR extract  
text from  
scanned  
documents)  
(preprocessing  
convert text  
into readable  
content)**

**(Splits  
content in to  
meaning  
based  
segments  
(chunks) for  
retrieval )**

EMBEDDING  
& INDEXING

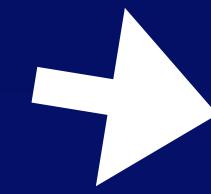
RELEVANT  
CONTENT  
RETRIEVAL

TOPIC  
SELECTION

*(Converts  
chunks into  
numerical  
vectors and  
stores in  
Qdrant )*

*(Identity  
Topic  
wise  
relevant  
Chunks)*

*(User  
Selects  
Desired  
Topics)*



QUESTION  
GENERATION



BLOOM  
TAXONOMY



DISTRACTOR  
ENGINE

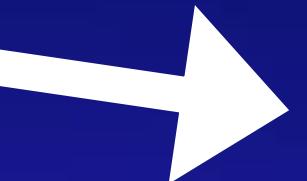
*(LLM-based  
generation  
with  
context  
understand  
-ing)*

*(Assign  
Difficulty  
levels to  
questions  
(Easy, Medium  
, Hard))*

*(Creates  
Plausible  
wrong  
options  
for MCQs)*



*PAPER ASSEMBLY  
ENGINE*

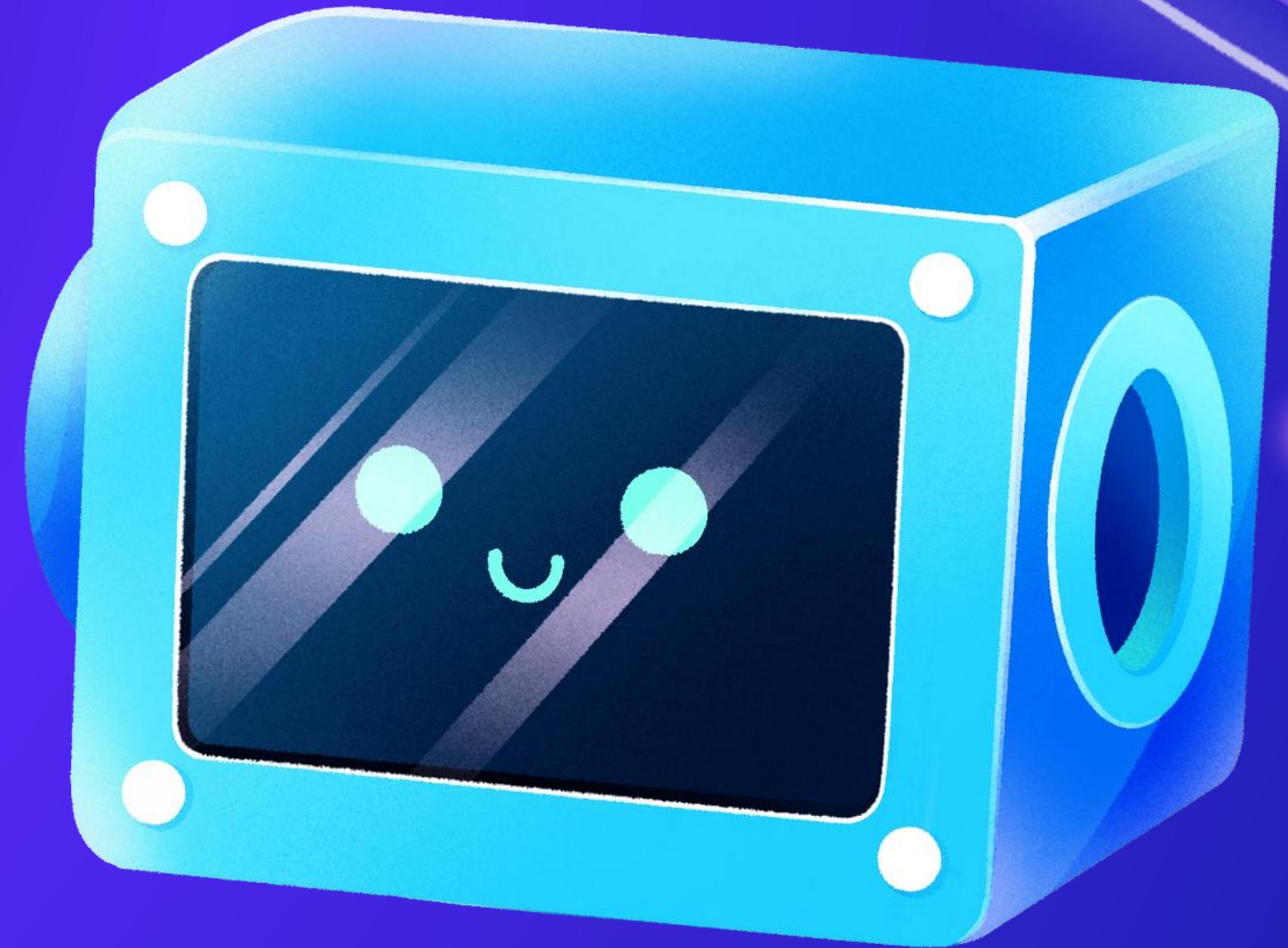


*EXPORT  
MODULE*

*(Automatically  
Organizes  
questions into a  
structured  
Assessment  
format)*

*(Converts  
Output  
into  
JSON/csv)*

DEMO  
WORK-FLOW



(FILL THESE ALL)

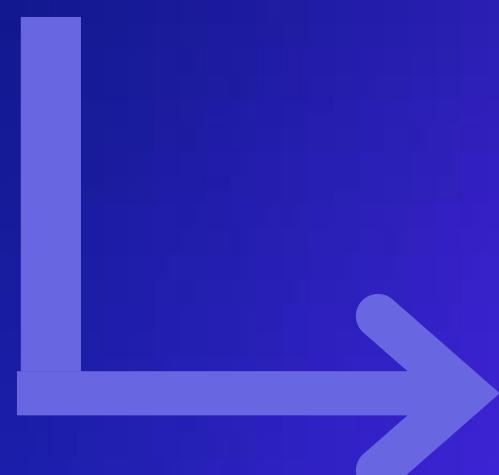
QUESTION  
CONFIGUR  
-ATION

PAPER  
CONFIGURA  
T-ION

USER  
LOGIN

UPLOAD  
PDF

AI  
PROCESSES  
CONTENT





**QUESTION  
GENERATION**



**EXPORT  
PAPER**

# FUTURE PRICING PLAN

| Plan / Feature         | AI Paper Generator  |
|------------------------|---|
| Free / Trial           | 2 Full Papers / month (involving mcqs , short , long Questions) |
| Starter                | \$9 / month – 50 Pages , all question types                     |
| Pro / Teacher          | \$29 / month – 200 Papers                                       |
| Institute / Enterprise | \$29 / Unlimited Pages (Multi-teacher)                          |

# ANALYSIS COMPETITOR

| <b>Features</b>  | <i>QuestionPaper.ai</i>     | <i>AI Paper Generator</i>  |
|------------------|-----------------------------|----------------------------|
| Target Audience  | Global Users                | Global Users               |
| Paper Generation | Semi-Automated              | Fully automatic            |
| Bloom Taxonomy   | Unbalanced                  | Throughout Paper           |
| Question Quality | Basic                       | Easy , Hard , Difficult    |
| Question Type    | MCQ Only                    | Complete Paper             |
| Uses Cases       | General Assessments         | Real Exam Papers           |
| Speed            | Moderate                    | Fast                       |
| Pricing          | Expensive For Premium Plans | Flexible and Lower pricing |

# CONCLUSION

- ***AI can transform question paper creation into a fast, fair, and scalable process.***
- ***It Ensures high-quality, consistent, and syllabus aligned papers.***
- ***Reduces teacher workload and improves assessment standards.***

THANK YOU!

