Problem

Fragmented and Inefficient Content Creation Process

1. Time-Consuming Workflows

2. High Costs

3. Inconsistent Quality

4. Lack of Automation

How does VerbiQube solve this problem?

VerbiQube provides an **all-in-one platform** that integrates content creation, summarization, and automated posting.

Solution

Automatic Content Generation (Using CrewAI)
Create various content formats (text, social media posts, email) based on input keywords and style preferences.

Complex Information Summarization:
Transform complex information into concise, engaging content.

Keyword-Based Content Customization(Using CrewAI)
Tailor content according to specific keywords and stylistic requirements.

User-Friendly Interface:
Ensure ease of use for content creators through an intuitive and accessible platform design.

TECH STACK

AI

Front-end

Back-end

Features

VERBIQUBE

- MULTILINGUAL SUPPORT
- CONTENT ANALYSIS AND SMART SUGGESTION
- PERSONALIZED EMAIL DRAFTING
- AUTOMATED CONTENT GENERATION
- YOUTUBE CONTENT OPTIMIZATION
- TEXT AND VIDEO SUMMARIZATION

Speech-To-Speech

- **Process Flow:** Speech recognition, natural language processing, text-to-speech conversion illustrated.
- **Technologies:** Uses Google Speech Recognition and Google Text-to-Speech services.
- **Input and Output:** Speech input converted to text, then back to speech.
- **Online Model Usage:** Relies on online Google Speech recognition for processing.

Authorization

- Users initiate connections to LinkedIn, Instagram, Facebook, and Twitter.
- They are redirected to respective authorization pages.
- Successful authentication grants access and refresh tokens.
- Token expiry information is also obtained.
- All tokens and expiry details are stored in MongoDB.

Content Generation

- Agents generate posts using CrewAI technology
- Llama 3 and DuckDuckGo provide support.
- Tokens are securely stored in MongoDB.
- Posts are automated to Facebook and Instagram.
- Posts are also automated to Twitter and LinkedIn.

Community engagement

- VerbiQube automatically generates announcements and posts for Discord servers.
- When a YouTube video is uploaded and connected with Discord .
- It converts the video into a post for the Discord community.

Summarization

- VerbiQube's summarization accepts various input formats.
- Formats include documents, text, PDFs, and YouTube videos.
- CrewAI processes the provided content.
- Generates concise summaries from the content.
- Delivers clear and efficient content summaries.

VerbiQube Architecture

- Interface supports summarization of content.
- Enables plagiarism checking with AI and cosine similarity.
- Automates content posting to social media platforms.
- Uses securely stored OAuth 2.0 tokens for authentication.
- Integrates multiple functionalities for seamless user experience.

Automated Q&A from YouTube Videos

Transcript Extraction:

- Audio from YouTube videos is retrieved using youtube-dlp and processed with Whisper to generate accurate transcripts. These transcripts serve as the base document for Q&A.

Embedding Generation & Storage:

- The transcript is converted into embeddings, which capture the semantic meaning of the content. These embeddings are stored efficiently in a vector database, such as FAISS, for quick retrieval.

Contextual Answer Generation:

- When a question is asked, FAISS performs a similarity search to find relevant sections of the transcript. The relevant context is then sent to a language model (Gemini), which generates precise answers based on the extracted information.

Virtual Board Mechanism Overview

Trigger Mechanism:

- The virtual board operates through specific triggers:
  - Start to Write: Initiates the process
  - Toggle: Allows users to switch between different modes
  - End: Marks the conclusion of the writing session.
- These triggers provide a smooth and intuitive user experience, making it easy to control interactions on the board.

Information Flow to Gemini:

- Real-Time Data Capture: The board gathers information based on user inputs (e.g., numbers, symbols, gestures).
- Transmission to Gemini: The collected data is sent to Gemini, an intelligent processing unit that interprets and analyzes the inputs.
- This process ensures efficient and accurate data handling, reducing manual errors.

Processing Logic in Gemini:

- Data Interpretation: Gemini analyzes the input data (like numbers and operations) and performs the necessary calculations.
- Smart Computation: The system can handle a wide range of mathematical and logical operations, delivering reliable results.
- This enables quick and effective processing, suitable for various use cases.

PDF-Based Question Generation & Evaluation Mechanism

Random Context Selection:

- The system identifies random starting and ending indices to extract specific portions from the PDF content.

- This approach helps generate diverse question contexts based on the extracted content, ensuring variety in question formulation.

Use of LangChain for Context Processing:

- PDF Parsing:
  - The extracted text chunks are processed using LangChain, which intelligently parses and splits the content for better understanding.

- Integration with Various Models:
  - The system can leverage different language models like GPT, PaLM, Gemini, etc., based on user preferences or specific requirements.

Automated Question Generation & Answer Extraction:

- Extracts random contexts from PDF files to generate questions using LangChain, which parses and processes text effectively.

Intelligent Evaluation & Feedback System:

- Compares user-provided answers with correct ones, offering real-time feedback and corrections. Displays relevant context for better understanding, promoting effective learning.

LangChain

Market Opportunity

6.2 B
Users

500 M
Creators

200 M
Passion Economy Users

Creator Report 2023

With **1 business per 30,000 content creators**, Managing multiple platforms is a challenge for creators.

Over **70% of businesses** rely on manual content creation processes, necessitating automation.

Our AI-powered platform '**VerbiQube**' targets marketers and creators for streamlined operations.

VerbiQube focuses on diverse sectors for **efficiency and market expansion.**

Size of Market

TAM

Our product targets businesses, content creators, and marketers seeking to **automate content generation** across platforms, covering **35-40%** of the global content marketing market.

SAM

This results in a SAM of **$15-20 billion**, targeting industries reliant on content marketing, social media engagement, and digital communication.

SOM

We estimate the **SOM at $1.5 billion**, targeting sectors like digital marketing, large enterprises, and high-growth startups needing scalable content solutions.

Business Model

01 Problem

- Information Summarization
- Automated Content Generation System
- Plagiarism Detection

02 Solution

AI-powered Automation App:

- Automated posting
- Personalized Email Drafting

03 Key Metrics

- Summarization Quality
- Content Accuracy
- Platform Integration

04 Unique Value Proposition

- **Marketing Optimization** Generate AI-powered social media and email content to improve engagement and performance.
- **Efficiency** Automate repetitive tasks and save valuable time.

05 Unfair Advantage

- Advanced AI, automation, and personalization provide a unique competitive advantage.

06 Channels

- Personalized Email Campaigns
- Social Media

07 Customer Segments

- Freemium model: Offer a free tier with basic features to attract users.
- Social media marketing Target relevant demographics and showcase use cases.

08 Cost Structure

- Initial and ongoing expenses for server and maintenance.
- Investment in R&D for AI.
- Costs for customer support, sales, and marketing operations.

09 Revenue Streams

- Subscription Model: Offer tiered plans with varying functionalities and content limits.
- Pay-per-Use Model: Charge for specific features like plagiarism detection or specialized content summaries.

Pay per Use Model

Usage Metrics	Basis of Charging	Usage fee
MongoDB	Database reads/writes per user	₹0.05 per 1,000 reads/write
CrewAI	API calls or AI processing tasks per user	₹0.10 per call
Flash and Express.js	HTTP requests handled per user	₹0.02 per request
React	Client-side interactions, API calls, and rendering operations	₹0.01 per 1000 interactions or API calls
Node.js	Processing time or operations executed per user	₹0.50 per hour of Node.js processing (capped)

ADVANTAGES

- **No Base Fee**
- **Scalability**
- **Encouraged efficiency**
- **Transparency**
- **Usage Tiers**
- **Caps**

WHAT'S IN FOR THE USER?

Unlimited access to VerbiQube's services, covering all your needs with a predictable, all-inclusive fee.

YOUR DAILY USAGE NEEDS:

- *LinkedIn: 10 posts*
- *Email: 20 campaigns*
- *Instagram/Facebook: 20 posts*
- *YouTube: 5 videos*

PRICING BREAKDOWN:

1. API Calls: ₹17.00 to ₹21.00
2. HTTP Requests: ₹3.40 to ₹4.20
3. Database Operations: ₹0.01 to ₹0.015
4. Client-Side Interactions: ₹0.003 to ₹0.00575
5. Processing Time: ₹0.50 to ₹1.00

Service Usage:

- *API Calls: 170 to 210*
- *HTTP Requests: 170 to 210*
- *Database Operations: 200 to 300*
- *Processing Time: 1 to 2 hours*
- *Client-Side Interactions: 300 to 575*

TOTAL DAILY COST RANGE: *₹35.02*

- *Minimum: ₹20.91*
- *Maximum: ₹26.22*
- *Maximum overuse charges: ₹8.80 per day*

Our Pay-Per-Use Fee: ₹45.02 per day

PROFIT: ₹10 per day per user

COMPETITOR ANALYSIS

	FEATURES			
	CONTENT CREATION	SUMMARY GENERATION	AUTOMATED POSTING	PRICING
Jasper	✓	✗	✗	MONTHLY $39
copy.ai	✓	✗	✗	FREE PLAN AVAILABLE
Writesonic	✓	✗	✗	MONTHLY $16
ContentBot.ai	✓	✗	✗	MONTHLY $29

THE VERBIQUBE EDGE

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

CONTENT CREATION	SUMMARY GENERATION	PLAGIARISM CHECKER	AUTOMATED POSTING	PRICING
✓	✓	✓	✓	PAY PER USE

- **All-in-one solution:** Combines content creation, summarization, plagiarism checking, and automation.
- **Integrated plagiarism checker:** Saves time and ensures content originality.
- **Automated posting:** Streamlines content distribution across platforms.
- **Scalability:** Caters to both freelancers/SMEs and agencies/enterprises.
- **Time Efficiency:** Managing multiple platforms can be time-consuming.
- **Consolidation and Integration Capabilities**: Seamless integration with other tools can increase productivity.