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Synopsis Presentation
on

Event Analyser

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Contents

1. Introduction

1.1 Overview

- With Artificial Intelligence and Machine Learning (AIML) combined with data science We aim to improve event management
- The model is designed to assist both organizers and attendees in evaluating and enhancing event quality.
- Its primary goal is to provide event organizers with a comprehensive suite of tools, simplifying and supporting centralized event management

1.2 Purpose

- Streamline data management for event organizers, particularly for multi-day events.
- Consolidate all essential tools onto a single platform for efficient event data handling.
- Simplify decision-making for attendees by helping them choose the most relevant events to attend.

2. Literature Review

- Current event management systems face several issues:

Sr. No.	Name of Solution/System	Features	Limitations/ Drawbacks
1.	evento.com	1.Event ticketing 2.customizable event pages 3. marketing tools 4. attendee management	Limited user base compared to major competitors, lacks comprehensive event discovery features
2.	bookmyshow	1.Movie and event ticket booking 2. real-time seat selection 3. digital wallet support 4.social media integration	Occasional glitches during peak bookings, service fees can be high for some events
3.	paytminsider	1.Ticketing for events 2. curated experiences 3. exclusive offers 4. seamless payment integration	Limited to certain types of events and experiences, lesser-known compared to larger platforms
4.	allevents.in	1.Event discovery 2. free and paid event promotion 3. global event listings 4. Virtual event support	Search and filter features are not always precise, limited payment options for international events

3. Problem Statement

- Whenever events are organized, the organizers face issues in managing huge data , specially in multiday events where there are several subevents and activities and to keep track of the real time data organizers use several platforms and thus if it can be centralized it would be easier for them to keep track of the vast data. Also, for the attendees it's a bit confusing to find the best fit event for them , if they can have a platform which tells them about the most relevant events they should attend, it would be helpful for them.

4. Proposed Solution

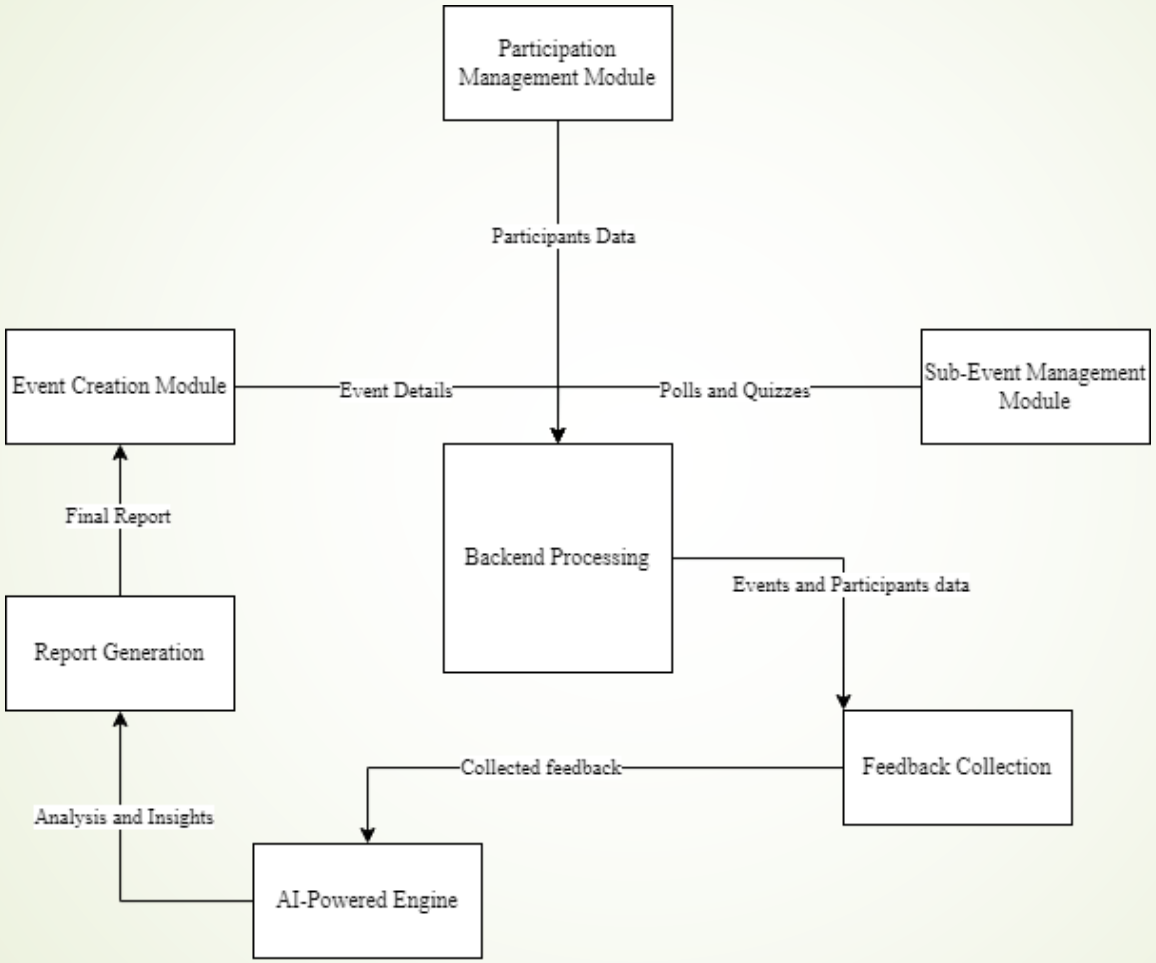
- **Centralized Dashboard:** Streamlines registrations, schedules, and updates with real-time insights.
- **ML-Driven Optimization:** Enhances schedules, minimizes overlaps, and improves participant flow.
- **Personalized Recommendations:** Suggests events based on attendees' preferences for better engagement.
- **Automated Feedback:** NLP analyzes feedback to identify themes and sentiment for immediate improvements.
- **Real-Time Analytics:** Tracks participant behavior, predicts attendance, and enables real-time adjustments.
- **Optimized Engagement:** Uses machine learning to launch interactive features at optimal times.
- **Post-Event Reports:** Provides detailed insights and predictive analysis for future event planning.

5. Objectives

- Streamline event planning and data management for orgnizears with a centralized platform.
- Enhance attendee engagement through personalized event recommendations and optimized interactions.
- Leverage real-time analytics to track participant behavior and make dynamic adjustments during events.
- Automate feedback analysis and provide predictive insights for improved future event planning.

6. Theoretical Analysis

6.1



6. Theoretical Analysis

6.2 Hardware Requirements

- **User-Side Requirements**
  - Processor: Intel i3 or equivalent
  - RAM: 2 GB or more
  - Storage: 128 GB SSD/HDD
  - Graphics Card: 1 GB or integrated graphics
  - OS: Windows 10, Ubuntu, or any lightweight Linux OS
  - Display: 1024x768 resolution or higher
  - Internet: Stable connection for real-time updates, feedback submission, and event participation
- **Developer-Side Requirements**
  - Processor: Intel i5 or higher (or equivalent AMD processor)
  - RAM: 8 GB or more (16 GB recommended for smoother multitasking)Storage: 256 GB SSD (or higher for larger projects)
  - Graphics Card: 2 GB dedicated GPU (optional, for development requiring GPU support)
  - OS: Windows 10, Ubuntu, or macOS (for cross-platform development)
  - Display: 1920x1080 or higher resolution (for better multitasking in development)

6.3 Software Requirements

- **User-Side Software Requirements:**
  - Browser: Latest version of Chrome, Firefox, Edge, or Safari (for web-based interface)
  - Internet Browser Support: JavaScript enabled
  - Frontend Compatibility: HTML5, CSS3, JavaScript supported by most modern browsers.
- **Developer-Side Software Requirements:**
  - **Frontend Development:**
  - Languages: HTML5, CSS3, JavaScript
  - Framework: React.js or React Native (for mobile apps)
  - Tools: VS Code or Sublime Text (code editor), Node.js (for running React/JS apps), Tailwind CSS (if needed)
  - **Backend Development:**
  - Languages: Python (Flask) or JavaScript (Express.js)
  - Database: SQLite (for simple, lightweight development) or MySQL (for larger, production-level data)
  - Libraries: Flask or Express.js for backend API developmen
  - Version Control: GitHub/Git
  - **Testing Tools:**
  - Frontend: Browser developer tools, Jest (for React)

Applications

- **Corporate Events:** Conferences, seminars, and networking events, where seamless registration, feedback analysis, and attendee engagement are crucial.

- **Entertainment:** Concerts, festivals, and film screenings that require efficient participant tracking, real-time updates, and post-event reporting.

- **Academic:** Workshops, webinars, and multi-day symposiums, where the model can streamline scheduling, audience interaction, and speaker management, ensuring a smooth flow of events.

- **Social Gatherings:** Weddings, parties, and charity events that benefit from organized data management, guest feedback, and personalized experiences.

- **Trade Shows and Exhibitions:** Large-scale expos, product launches, and fairs, where real-time participant tracking and analytics help organizers gauge interest and improve attendee satisfaction.

- **Multi-Day College Events:** College festivals, hackathons, and summits that span multiple days often involve numerous activities happening simultaneously, making it challenging to manage. Our model can handle participant registration, event scheduling, and real-time updates across different days.

GitHub Link

- https://github.com/Ujjwal3492/MInorG18.git

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Thank You

Queries ?