

**MUTHAYAMMAL COLLEGE OF ENGINEERING**

(Approved by AICTE, New Delhi and Affiliated to Anna University)

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MEDIA STREAMING WITH IBM CLOUD VIDEO STREAMING

From Department Of

**B.TECH(Artificial Intelligence And Data Science)**

**BY :**

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III-YEAR(AI&DS)



**MY UNDERSTANDING :**

My understanding on this project **“****MEDIA STREAMING WITH IBM CLOUD VIDEO STREAMING”** is a cloud-based service that provides various features and capabilities for live and on-demand video streaming.

**AIM OF MY PROJECT :**

The main aim is to create a robust and user-friendly virtual cinema platform that enables users to upload, manage, and stream movies and videos on-demand while delivering a seamless and immersive cinematic experience.

**OBJECTIVES OF MY PROJECT:**

* Platform Development
* User Registration and Authentication
* User-friendly Interface Design
* Video Upload Functionality
* On-demand Video Streaming
* Content Categorization and Search
* Content Security
* Scalability
* Analytics and Insights
* Testing and Quality Assurance
* Deployment and Maintenance
* Legal and Privacy Compliance
* Performance Metrics

By achieving these objectives, you can create a successful and user-friendly platform that offers an immersive media streaming experience while addressing legal, security, and scalability considerations.

**PLATFORM DEVELOPMENT:**

Develop a virtual cinema platform using IBM Cloud Video Streaming services as the foundation.

**REGISTRATION AND AUTHENTICATION:**

Implement user registration and authentication mechanisms to allow users to create accounts and log in securely.

**USER-FRIENDLY INTERFACE DESIGN:**

Design an intuitive and visually appealing user interface that enhances the overall user experience.

**VIDEO UPLOAD FUNCTIONALITY:**

Enable users to upload movies and videos to the platform with ease, ensuring support for various video formats.

**ON-DEMAND VIDEO STREAMING:**

Implement on-demand video streaming capabilities, allowing users to select and watch videos at their convenience.

**CONTENT CATEGORIZATION AND SEARCH:**

Create a system for organizing and categorizing videos, making it easy for users to search and discover content.

**CONTENT SECURITY:**

Implement robust security measures to protect uploaded content, user data, and payment information.

**SCALABILITY:**

Design the platform to scale efficiently to accommodate an increasing number of users and content uploads.

**ANALYTICS AND INSIGHTS:**

Utilize analytics tools to gather insights into user behavior and content performance to make data-driven decisions.

**TESTING AND QUALITY ASSURANCE:**

Conduct comprehensive testing, including load testing and security testing, to identify and address any issues before launch.

**DEPLOYMENT AND MAINTENANCE:**

Plan a phased deployment strategy and establish a schedule for regular maintenance and updates.

**LEGAL AND PRIVACY COMPLIANCE:**

Ensure compliance with data privacy regulations, such as GDPR, and establish clear privacy policies.

**PERFORMANCE METRICS:**

Define key performance indicators (KPIs) to measure the success of the platform, such as user retention, revenue generation, and viewer engagement.