**Model Development Phase Template**

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| Date | 15 JULY 2024 |
| Team ID | 739869 |
| Project Title | View count visianory:a data driven apporach youtube videos views |
| Maximum Marks | 5 Marks |

**Feature Selection Report Template**

Brief description of the project and the importance of feature selection in predicting YouTube video views.This template provides a structured approach to documenting the feature selection process for the "Visionary" project.

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| **Feature** | **Description** | **Selected (Yes/No)** | **Reasoning** |
| Historical View Data | Data on past views of the videos | Yes | Essential for understanding trends and patterns over time. |
| Video Metadata | Information like video title, description, tags, etc. | Yes | Helps in understanding the content and context of the videos, which can affect view counts. |
| Engagement Metrics | Metrics like likes, comments, shares, etc. | Yes | Important for gauging viewer interaction and engagement, which can correlate with view counts. |
| Upload Schedule | Timing and frequency of video uploads | Yes | Helps in identifying patterns related to when videos are uploaded and their subsequent performance. |
| External Traffic Sources | Sources driving traffic to the videos | Yes | Crucial for understanding where viewers are coming from and what drives traffic to videos. |
| Subscriber Growth | Data on how the channel's subscriber count changes over time | Yes | Subscribers are a primary audience for videos; growth trends can impact view counts. |
| Seasonality Trends | Patterns related to time of year, holidays, etc. | Yes | Views can be affected by seasonal trends; understanding these can improve forecasting accuracy. |
| Competitive Analysis | Data on views and performance of similar videos/channels | Yes | Provides context on the performance relative to similar content, useful for benchmarking. |
| Algorithm Changes | Information on changes to YouTube's recommendation algorithms | Yes | Changes in the algorithm can significantly impact video views; tracking this is important. |