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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Task** |  |  | | --- | |  |  |  | | --- | |  | | **Assigned Members** | |  | | --- | | **Start Date** | | |  | | --- | | **End Date** | | **Duration (Days)** |
| |  | | --- | | Learning R programming language and tools |  |  | | --- | |  |  |  | | --- | |  | | |  | | --- | | All Members | | |  | | --- | | 10/20/2024 | | |  | | --- | | 10/22/2024 | | 3 |
| |  | | --- | | Familiarization with ARIMA and LSTM models | | All Members | |  | | --- | | 10/23/2024 | | 10/24/2024 | 2 |
| Data collection and preparation | Member 1 & 2 | 10/25/2024 | 10/31/2024 | 7 |
| ARIMA Model development | Member 1 | 11/01/2024 | 11/04/2024 | 4 |
| LSTM Model development | Member 2 | 11/05/2024 | 11/09/2024 | 5 |
| Hybrid Model development | Member 3 | 11/10/2024 | 11/14/2024 | 5 |
| Testing and evaluating models (ARIMA, LSTM, Hybrid) | Member 1 & 3 | 11/15/2024 | |  | | --- | |  |  |  | | --- | | 11/21/2024 | | 7 |
| Result analysis and model refinement | |  | | --- | |  |  |  | | --- | | All Members | | 11/22/2024 | 11/30/2024 | 9 |
| Final report and documentation preparation | |  | | --- | |  |  |  | | --- | | All Members | | 12/01/2024 | 12/05/2024 | 5 |
|  |  |  |  |  |