

GANTT CHART

| PROJECT TITLE | | Out of Stock Product Recommendation System | | |
|--------------------------------|-------------------|--|----------|----------|
| TASK TITLE | TASK OWNER | START DATE | DUE DATE | DURATION |
| Project Proposal | | | | |
| Introduction & Background | All | 14/09/25 | 04/10/25 | 20 |
| Problem Definition | Arihanth & Nirmal | 14/09/25 | 04/10/25 | 20 |
| Methods | Arihanth | 21/09/25 | 04/10/25 | 13 |
| Potential Results & Discussion | All | 21/09/25 | 04/10/25 | 13 |
| Video Recording | Riya & Malhar | 30/09/25 | 07/10/25 | 7 |
| GitHub Page | Nirmal | 30/09/25 | 07/10/25 | 7 |
| Model 1- GMM | | | | |
| Data Sourcing & Cleaning | Riya | 07/10/25 | 15/10/25 | 8 |
| Model Selection | Arihanth & Malhar | 15/10/25 | 18/10/25 | 3 |
| Data Pre-Processing | Nirmal | 18/10/25 | 25/10/25 | 7 |
| Model Coding | Arihanth | 25/10/25 | 08/11/25 | 13 |
| Results Evaluation & Analysis | All | 08/11/25 | 16/11/25 | 8 |
| Midterm Report | All | 08/11/25 | 16/11/25 | 8 |
| Model 2- Bayseian GMM | | | | |
| Data Sourcing & Cleaning | Malhar | 18/10/25 | 22/10/25 | 4 |
| Model Selection | Riya | 22/10/25 | 25/10/25 | 3 |
| Data Pre-Processing | Nirmal | 25/10/25 | 29/10/25 | 4 |
| Model Coding | Arihanth | 25/10/25 | 19/11/25 | 24 |
| Results Evaluation & Analysis | All | 19/11/25 | 24/11/25 | 5 |
| Model 3- XGBoost | | | | |
| Data Sourcing & Cleaning | Malhar | 18/10/25 | 22/10/25 | 4 |
| Model Selection | Riya | 22/10/25 | 25/10/25 | 3 |
| Data Pre-Processing | Arihanth | 25/10/25 | 29/10/25 | 4 |
| Model Coding | Nirmal | 25/10/25 | 19/11/25 | 24 |
| Simulation & Analysis | All | 19/11/25 | 24/11/25 | 5 |
| Evaluation | | | | |
| Model Comparisons | Arihanth | 29/11/25 | 07/12/25 | 8 |
| Presentation | All | 29/11/25 | 06/12/25 | 7 |
| Recording | All | 06/12/25 | 07/12/25 | 1 |
| Final Report | All | 29/11/25 | 07/12/25 | 8 |

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GANTT CHART

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| PROJECT TITLE | NHL Playoff Predictor |
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| TASK TITLE | START DATE | DUE DATE | DURATION | PHASE ONE | | PHASE TWO | | | | |
|------------------|------------|----------|----------|-----------|-------|-----------|------|------|-------|-----|
| | | | | #### | Oct 4 | #### | #### | #### | Nov 1 | Nov |
| Project Proposal | 27/09/21 | 07/10/21 | 10 | | | | | | | |
| Model 1 | 07/10/21 | 16/11/21 | 39 | | | | | | | |
| Model 2 | 18/10/21 | 24/11/21 | 36 | | | | | | | |
| Model 3 | 18/10/21 | 24/11/21 | 36 | | | | | | | |
| Evaluation | 24/11/21 | 07/12/21 | 13 | | | | | | | |

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