Business Requirements Document (BRD) for Project Cornflow

# 1. Project Name:

Cornflow

# 2. Project Objective / Goal:

Improving Business Processes, Enhancing Data-Driven Decision Making, Identifying Business Opportunities and Risks, Cost Reduction, Better ROI, and New Territory Expansion Plan.

# 3. Stakeholders:

- Project Sponsor: Rameshewar Shelke (Owner - Sai-Krupa Trending Pvt Ltd)  
- Business Analysts: Sainath Chikane  
- IT/Data Engineering Team: Sainath Chikane  
- Operations and Supply Chain: Sainath Chikane  
- Finance and Strategy Departments: Sainath Chikane  
- End Users / Decision Makers: Sai-Krupa-PVT-LTD

# 4. Background / Context:

Sai-Krupa Trending Pvt Ltd currently faces challenges due to fragmented data systems and a lack of real-time business insights. The Cornflow project is initiated to consolidate data from various sources and create a reliable business intelligence system. This will facilitate efficient decision-making, performance tracking, and identification of new growth areas, including unexplored territories.  
  
The business owner’s main goal is to:  
- Reduce operational costs through optimized data processing  
- Expand into new, profitable markets  
- Gain better insight into production patterns, cost trends, and risk factors

# 5. Scope:

* Included:
* - Data integration from existing production records  
  - Data cleaning, transformation, and validation  
  - Development of dashboards and reports  
  - Historical data visualization and trend analysis  
  - Support for business forecasting and scenario planning
* Excluded

# 6. Requirements:

* Functional:
* - Load and process historical and current production data  
  - Clean, validate, and standardize raw input data  
  - Generate dashboards with filters (by year, region, crop type)  
  - Provide role-based access to views and export functions  
  - Support planning for new territories based on historical success
* Non-Functional:

# 7. Data Involved:

- Year-wise corn production data (State, District, Production Tonnage)  
- Market trends (demand/supply/pricing)  
- Regional demographics or weather (optional)  
- Cost metrics (production cost, logistics cost)  
- ROI metrics by region and year

# 8. Timeline / Milestones:

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| --- | --- |
| Milestone | Target Date |
| Requirements Finalization | Nov 15, 2024 |
| Data Collection & Preparation | Dec 30, 2024 |
| Database and Dashboard Setup | March 20, 2025 |
| Internal Testing | April 5, 2025 |
| Stakeholder Review | April 10, 2025 |
| Final Rollout | April 15, 2025 |

# 9. Assumptions and Constraints:

- Historical and current data access will be provided

# 10. Notes / Special Requests:

- Post-Phase 1: Conduct a cost-benefit analysis  
- Future Enhancements:  
 - ML-based forecasting  
 - Mobile dashboard access  
 - IoT-based production tracking  
 - Real-time alerting and decision support tools