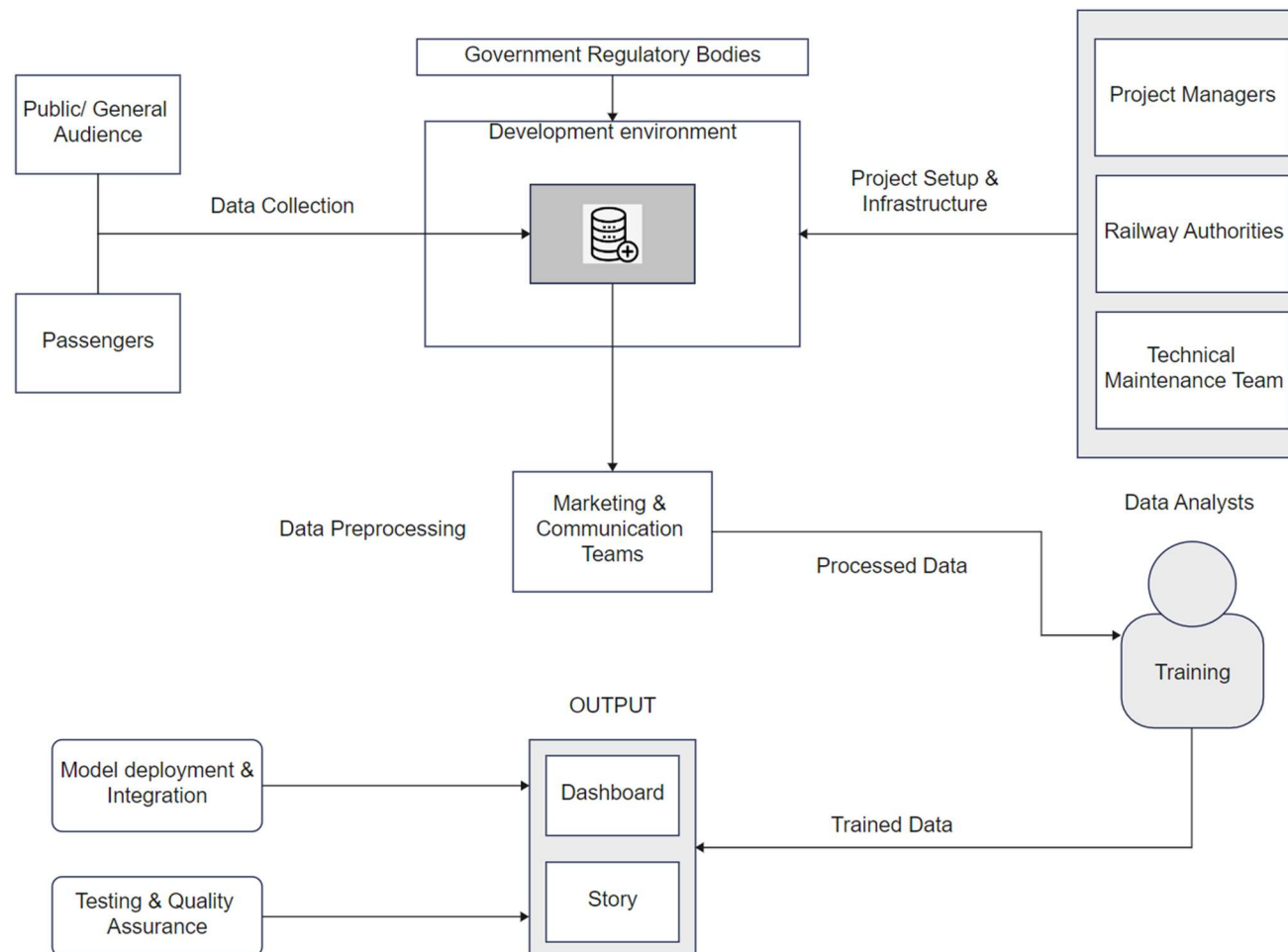


Project Design Phase-II

Data Flow Diagram & User Stories

Date	23 October 2023
Team ID	PNT2023TMID591251
Project Name	Vande Bharat Express: Pioneering India's High-Speed Rail Journey
Maximum Marks	20 Marks

Data Flow Diagram:



User Stories:

User Type	Functional Requirement (Epic)	User Story No	User Story / Task	Acceptance criteria	Priority	Release
Railway Authorities	Operations and management	USN-1	Access to performance metrics, operational data, and safety-related information for effective decision-making and planning.	Project setup and Infrastructure	High	Sprint 1
Technical Maintenance Team	Maintenance and technical aspects	USN-1	Detailed technical data, maintenance schedules, and insights into any potential issues affecting the train's performance.	Project setup and Infrastructure	High	Sprint 1
Project Managers	Overseeing the development and implementation	USN-1	Progress reports, project documentation, and insights into the effectiveness of the implemented solution.	Project setup and Infrastructure	High	Sprint 1
Government Regulatory Bodies	Compliance with safety and regulatory standard	USN-2	Access to safety reports, compliance data, and information on any incidents or issues that may impact the regulatory landscape.	Development environment	High	Sprint 1
Public/General Audience	Interested stakeholders, public, or enthusiasts.	USN-3	Access to publicized visualizations, dashboards, and stories about the Vande Bharat Express's impact and performance.	Data Collection	High	Sprint 2
Passengers	Actual users of the service	USN-3	Information on travel times, occupancy rates, amenities, and any real-time updates affecting their journey.	Data Collection	High	Sprint 2
Marketing & Communication Teams	Communicating the achievements & impact	USN-4	Engaging visual content, success stories, and key performance indicators for promotional purposes.	Data Preprocessing	High	Sprint 2
Data Analysts	Analyzing and interpreting data	USN-5	Access to raw and processed data, visualization tools, and analytical reports for performance assessment.	Training	Medium	Sprint 3
	Model deployment & Integration	USN-6	Make the dashboard available as a web service to grant users' easy access. Seamlessly integrate the model's API into a user-friendly web interface, ensuring users can effortlessly obtain the necessary output.	We could check the scalability	Medium	Sprint 4
	Testing & quality assurance	USN-7	Conduct extensive testing on both the dashboard and visualisations to detect and report any issues. To fine tune the hyperparameters and enhance performance by incorporating user feedback and testing results.	We could create web application	Medium	Sprint 5