

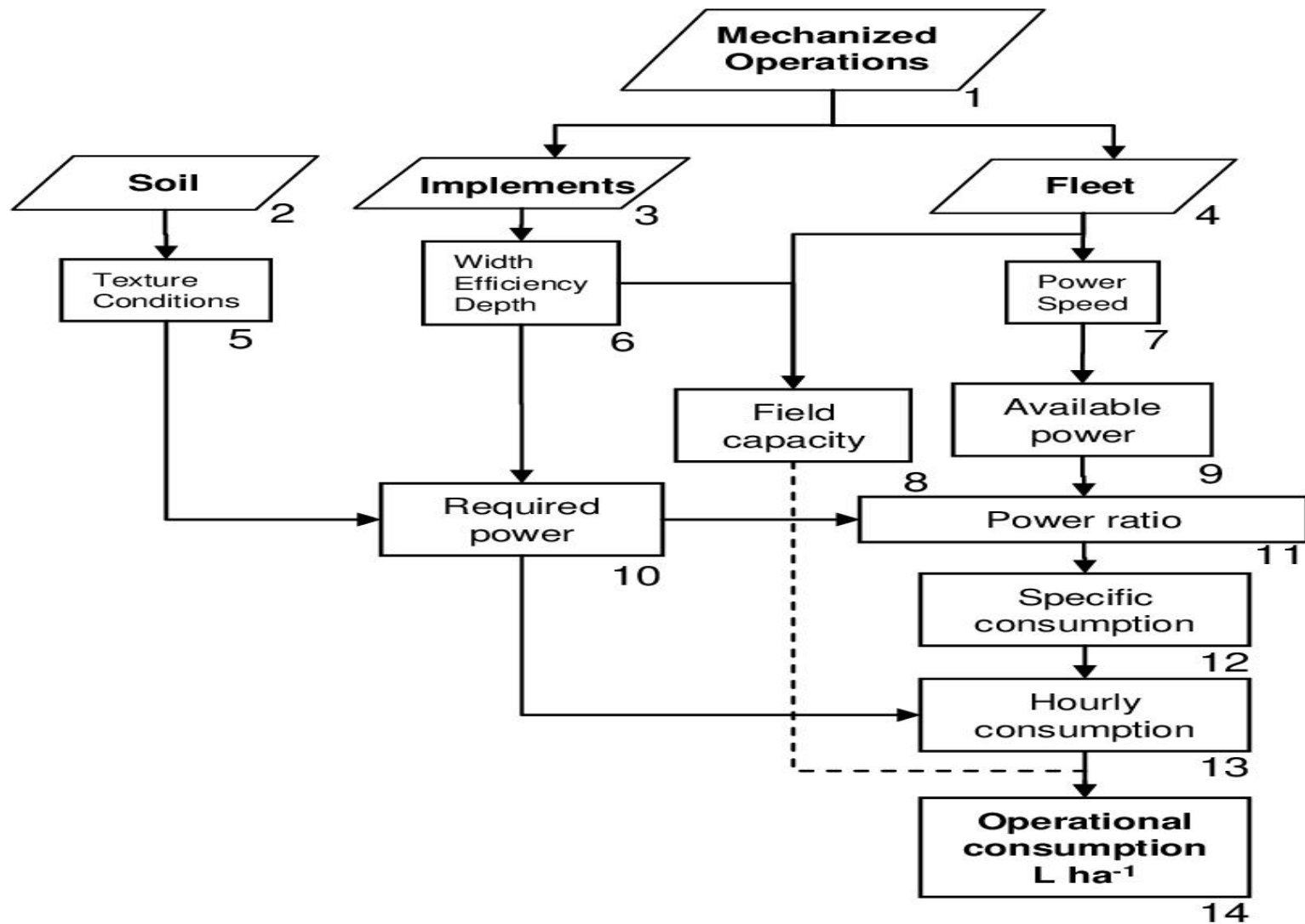
## **Project Design Phase-II**

### **Data Flow Diagram & User Stories**

Date	10 October 2022
Team ID	PNT2002TMID49664
Project Name	Project - Trip based modelling of fuel consumption for fleet vehicles using machine learning.
Maximum Marks	4 Marks

### **Data Flow Diagrams:**

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



## User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer	Fuel filter	USN-1	Fuel is sent from the tank to the engine by suction generated by the fuel pump.	It consider fuel compatibility, re usability,position in your fuel system.	High	Sprint-1

<b>User Type</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Acceptance criteria</b>	<b>Priority</b>	<b>Release</b>
		USN-2	A fuel filter works just like any other filter.	Stainless steel filters are compatible with all fuels and can typically be cleaned and reused.	High	Sprint-1
	Fuel lift pump	USN-3	A fuel is a component in motor vehicles that transfers liquid from the fuel tank to the carburetor from	The lift pump reduces the effort that has to be made to pull the fuel all the way from the fuel tank.	High	Sprint-1

<b>User Type</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Acceptance criteria</b>	<b>Priority</b>	<b>Release</b>
			or fuel injector of the internal combustion engine.			
	Fuel injection pump	USN-4	It compresses the fuel to high pressure where cam the plunger and the sent it to to the injector.	Full control over rate of fuel injection.Proper spray pattern to ensure mixing of air and fuel.		
Customer (Web user)	Atomize	USN-5	The purpose of a fuel atomizer in	It is to convert the analyst to a reproducible	Medium	Spirit-2

<b>User Type</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Acceptance criteria</b>	<b>Priority</b>	<b>Release</b>
			automobile engineering is to atomize or break the oil into fine particles.	amount of gaseous atoms that appropriately represent the sample test.		
Customer Care Executive	Fuel feed pump	USN-6	To supply fuel from main fuel storage tank to the injection system.	It moves a fluid such as a fuel at at controlled rate.	Medium	Sprint-3
Administrator	Carburettor	USN-7	It is used to supplying a spark-ignition	Cannot provide a perfect air-fuel ratio	Medium	Sprint-4

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
			engine with a mixture of fuel and air.	consistently.		