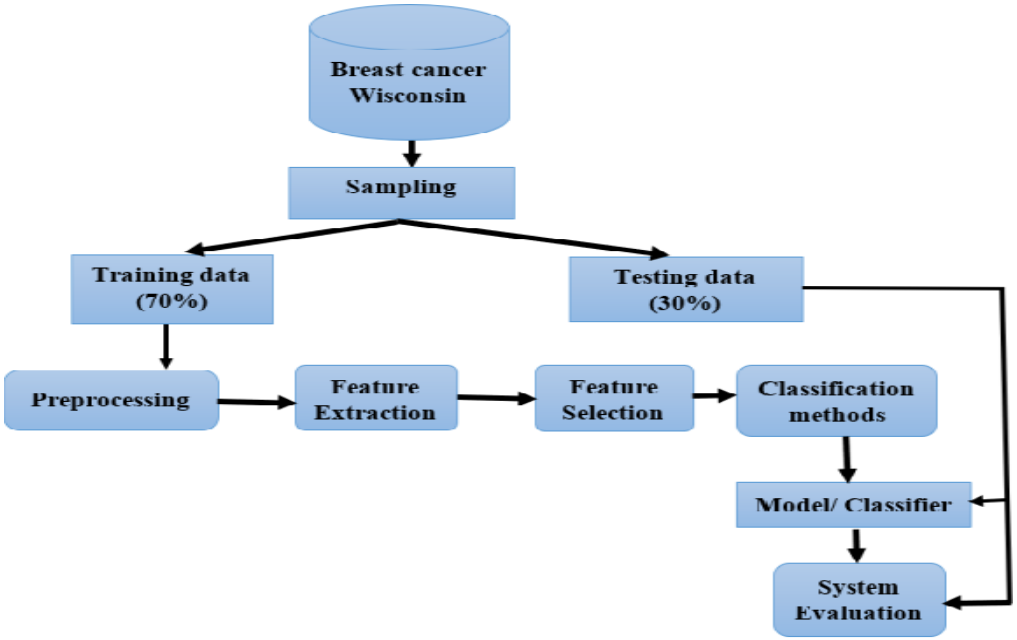
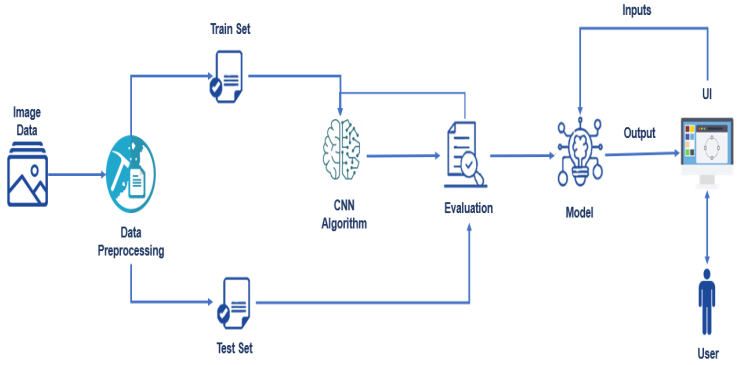
Project Design Phase-II
Data Flow Diagram & User Stories

Date	06 May 2023
Team ID	NM2023TMID17489
Project Name	CancerVision: Advanced Breast Cancer Prediction With Deep Learning

Data Flow Diagrams CancerVision: Advanced Breast Cancer Prediction With Deep Learning:





User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Team Member
Patient	Information Access	USN-1	Patients may have limited access to the system, but they can have access to relevant educational materials or information about breast cancer prevention, diagnosis, and treatment.	Patients have limited access to the system.	High	Praveena
	Data privacy	USN-2	Patients' privacy and confidentiality should be ensured, with the system adhering to relevant regulations, such as HIPAA, to protect their personal and medical information.	Patients' privacy and confidentiality is maintained .	High	
Healthcare Professionals	User Registration and Authentication	USN-3	Healthcare professionals should be able to create user accounts and authenticate themselves to access CancerVision.	To create user accounts & authenticate to access Cancervision.	Medium	Shree
	Image Upload and Processing	USN-4	Users should be able to upload breast cancer images, such as mammograms or ultrasound scans, to the system for analysis.	User to upload breast cancer images.	high	
	Request Breast Cancer Prediction	USN-5	Healthcare professionals should have the ability to request breast cancer predictions for uploaded images.	To provide request for breast cancer	Medium	

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Team Member
				predictions for uploaded images.		
	Prediction Results	USN-6	Users should receive accurate and timely prediction results, including the probability or likelihood of malignancy, tumor location, and other relevant information.	Users should receive accurate and timely prediction results.	High	
	Result Interpretation	USN-8	The system should provide tools or visualizations to assist healthcare professionals in interpreting the prediction results and making informed clinical decisions.	To assist healthcare and provide tools and visualizations for the system.	High	
Researchers and Developers	Model Training and Evaluation	USN-9	Researchers and developers should have the ability to train and evaluate deep learning models using breast cancer image datasets.	Developers should train and evaluate deep learning models	Medium	Kaviena
	Model Integration	USN-10	Researchers and developers should be able to integrate trained models into the CancerVision system for deployment.	Researchers and developers integrate trained models into the CancerVision system.	Low	
	Algorithm Development	USN-11	Researchers and developers should have the flexibility to develop and enhance algorithms for image analysis and feature extraction.	Researchers have the flexibility to develop and enhance algorithms	Low	

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Team Member
				for image analysis and feature extraction.		
	Testing and Validation	USN-12	Researchers and developers should be able to conduct testing and validation of the system to ensure accuracy and performance.	Researchers and developers conduct testing and validation ..	Medium	
System Administrator	User Management	USN-13	Administrators should have the capability to manage user accounts, including creating, modifying, or deactivating accounts.	Administrators manage user accounts, including creating, modifying, or deactivating accounts.	High	Taarakesh
	System Configuration	USN-14	Administrators should be able to configure system settings, such as deployment options, resource allocation, and security parameters.	Administrators configure system settings.	High	
	Performance Monitoring	USN-15	Administrators should have access to monitoring tools to track system performance, detect any issues, and ensure smooth operation.	Administrators monitor tools to track system performance, detect any issues.	High	