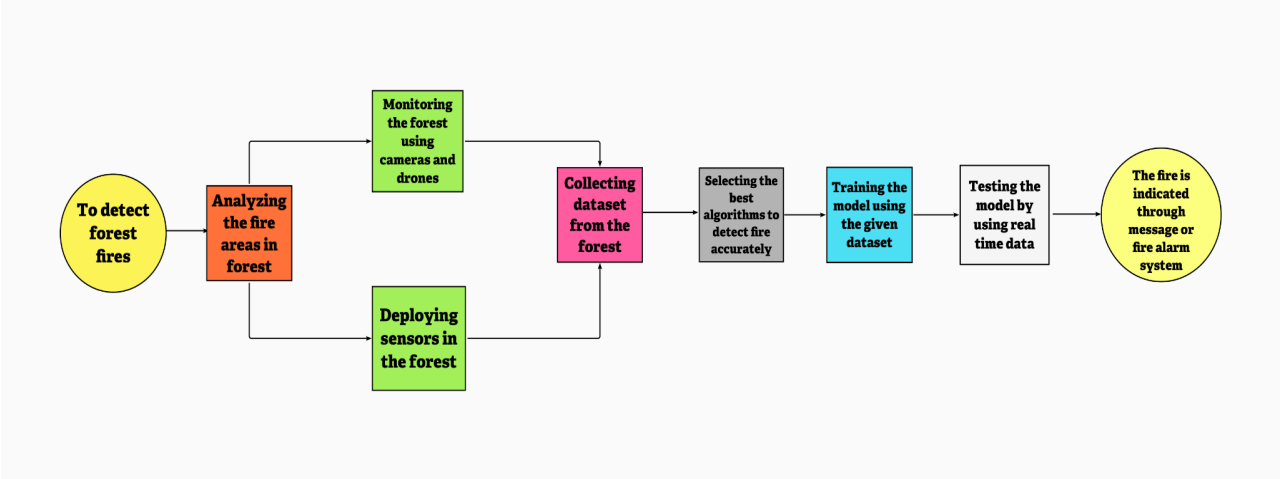
Project Design Phase-II
Data Flow Diagram & User Stories

Date	15 October 2022
Team ID	PNT2022TMID49509
Project Name	Emerging methods for early detection of forest fires
Maximum Marks	4 Marks

Data Flow Diagrams:



User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Researcher	Analysing the forest fire	USN-1	The researcher who wants to save valuable species in the forest takes necessary actions.	He can address the problem to the government.	High	Sprint-1
Forest officer	Preventing the worst forest fires	USN-2	The forest officer is worried about the worst forest fires because it is unable to put off.	He can tell the fire department immediately to put off the fire	High	Sprint-1
Environmentalist	To detect the forest fire	USN-3	The environmentalist can collect various data from the forest to detect fire at the earliest	The data collected by him should be accurate	Medium	Sprint-2
Government	Can deploy various sensors and camera	USN-4	The government can take necessary steps by deploying heat detectors,smoke sensors and cameras in the forest	The sensors and cameras can collect real time data	High	Sprint-2
Programmer	Testing and training the forest fire	USN-5	The programmer can build an forest fire detection model by training the dataset	The model can give high accuracy	High	Sprint-3

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
	detection model					
Forest officer	Notification	USN -6	The fire detected by the model can be notified by using message and fire alarm system	It notifies the forest to the forest department	High	Sprint-3