Semester	5
Subject	Software Engineering
Subject Professor In-charge	Prof Sneha Annappanavar
Assisting Teachers	Prof Sneha Annappanavar
Laboratory	

Student Name	Nilesh Lad	
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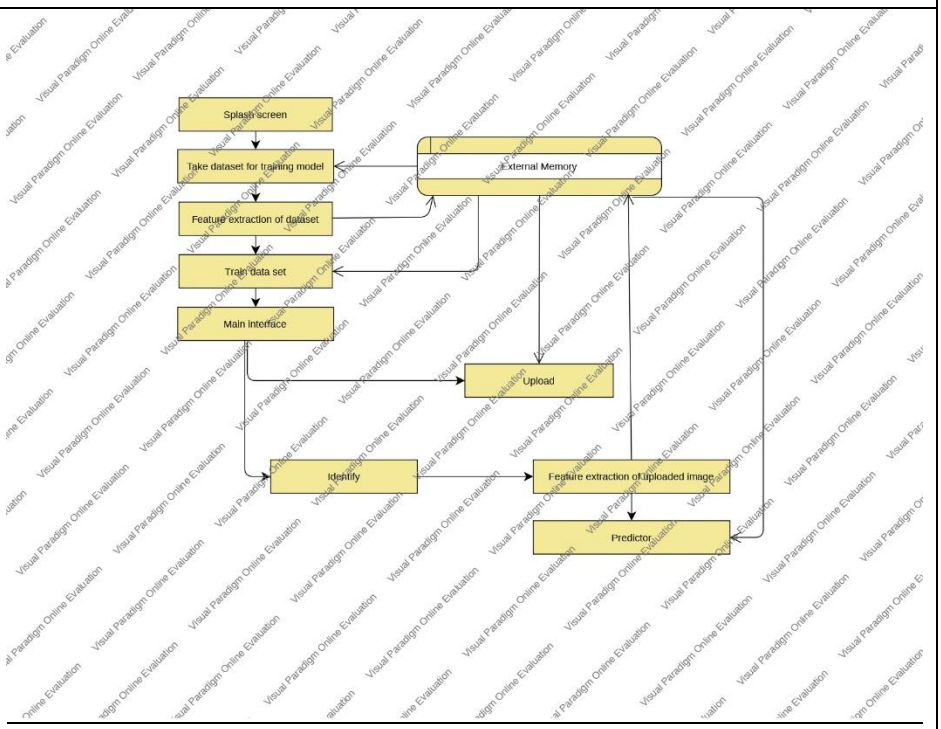
Grade and Subject Teacher's Signature		

Experiment Number	4	
Experiment Title	Dataflow Diagram for the mini project	
Resources / Apparatus Required	Hardware: Laptop	Software: Visual Paradigm
Objective	The objective of a DFD is to show the scope and boundaries of a system. It may be used as a communication tool between a system analyst and any person who plays a part in the order that acts as a starting point for redesigning a system. The DFD is also called a data flow graph or bubble chart.	
Theory	A **data-flow diagram** is a way of representing a flow of data through a process or a system. The DFD also provides information about the outputs and inputs of each entity and the process itself. A data-flow diagram has no control flow — there are no decision rules and no loops. Specific operations based on the data can be represented by a flowchart There are several notations for displaying data-flow diagrams. The notation presented above was described in 1979 by Tom DeMarco as part of a structured analysis. For each data flow, at least one of the endpoints (source and / or destination) must exist in a process. The refined representation of a process can be done in another data-flow diagram, which subdivides this process into sub-processes. The data-flow diagram is a tool that is part of structured analysis and data	

	modeling. When using UML, the activity diagram typically takes over the role of the data-flow diagram. A special form of data-flow plan is a site-oriented data-flow plan. Data-flow diagrams can be regarded as inverted Petri nets, because places in such networks correspond to the semantics of data memories. Analogously, the semantics of transitions from Petri nets and data flows and functions from data-flow diagrams should be considered equivalent.
Output	 DFD for flower recognization system
Conclusion	Data Flow Diagrams are highly useful tools to maintain these aspects of the operation. They provide critical insights into the systems and the ways the information passes through them. DFD helps structure every element of the system and keep them logically intact and interconnected.