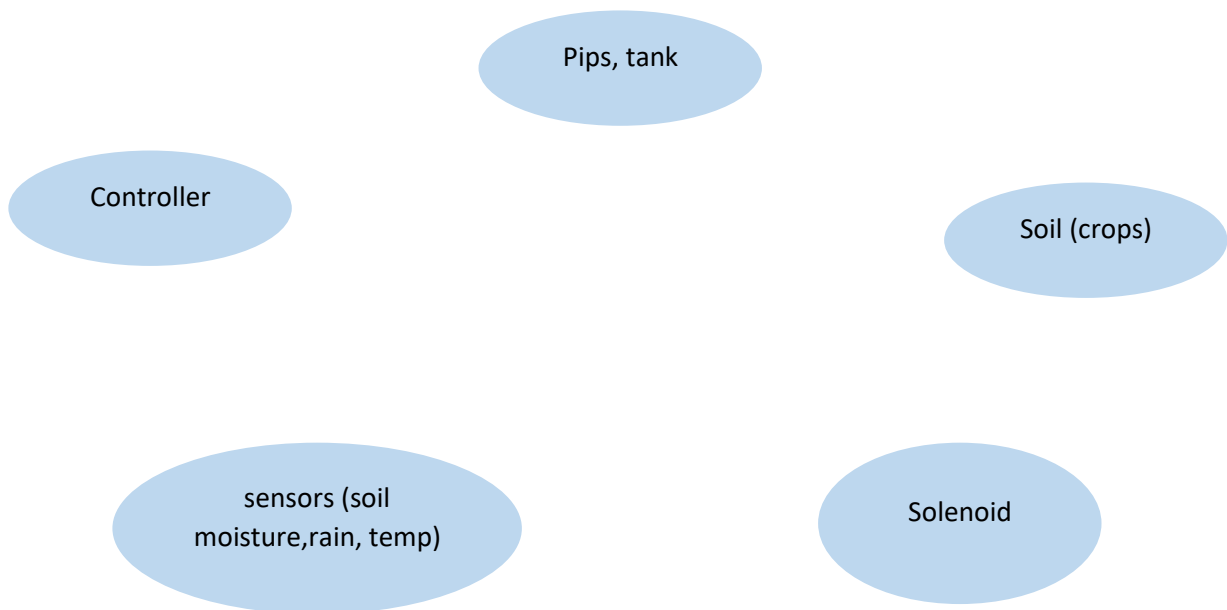Ministry of Higher Education, Research and Innovation

Automatic irrigation system: Ontology creation and component

Presented by :

COMBASSERE Charles

Ontology creation

Principal classes :

Key components of the system:

Soil moisture sensor

Sensors (soil moisture,rain,temp)

Arduino controller

Solenoid

Irrigation system (pips, water tank)

Class Relationship : triplets

subject	Predicate	Object
sensors	Provid data	controller
Arduino controller	Controls	solenoid
Solenoid	Activates	Pips & tank
Irrigation system	Waters	Soil and crops

Diagramm :