**Pseudo-Code for “Monitored by Drone”**

/\**Algorithm starts from setting path of monitoring drone. The drone will then fly and record images in order to help in monitoring crops health.* \*/

MonitoredByDrone()

START

SET Drone to DronePath\_Given

IF *Drone is provided a path*

THEN  
 PRINT “Drone is ready to fly”  
 ELSE

PRINT “Drone is not ready to fly”

ENDIF

READ Drone path and fly

FUNCTION images\_CapturedAndRecorded  
 *capture images and record image data*

RETURN image data

ENDFUNCTION images\_CapturedAndRecorded

FUNCTION hD\_Map\_Path\_Data

READ image data

COMPUTE HD Map

RETURN path generation

ENDFUNCTION hD\_Map\_Path\_Data

FUNCTION plantsHealth\_Examination

IF *plants are healthy* THEN

PRINT “System Reset” \\ Here our system will end when there are no unhealthy plants

ELSE

*Go to upcoming functions/steps*

ENDFUNCTION plantsHealth\_Examination

FUNCTION plantAndSoilSample\_Taken

*Plant and soil sample will be taken and analyzed*

RETURN *analyzed info and forward to farmer*

ENDFUNCTION plantAndSoilSample\_Taken

FUNCTION cropsTreated\_Accordingly

*Look into the info and treat crops accordingly*

PRINT “Monitoring is Done”

ENDFUNCTION cropsTreated\_Accordingly

END