

		2018				
		March	April	May	June	July
1. Analysis of proposed system						
1.1. Studying the problem, research and selection of possible solutions	10 h					
1.2. Studying RFID technology	10 h					
1.3. Studying NativeScript technology	10 h					
1.4. Studying MongoDB best practices		10 h				
1.5. Studying Socket.IO technology		10 h				
1.6. Learning how to connect different devices in a network		10 h				
2. Implementation						
2.1. Programming mobile application with NativeScript	40 h					
2.2. Creating a MongoDB database		5 h				
2.3. Connect mobile application with MongoDB server (HTTP request/response)		10 h				
2.4. Connect mobile application with MongoDB server (Socket.IO)			10 h			
2.5. Connect Matlab program to MongoDB database			10 h			

2.6. Establish a LAN between all components (Laptops, RFID reader)			10 h		
2.7. Establish a WIFI between MongoDB database and smartphones/tables			5 h		
3. System testing					
3.1. Device testing			30 h		
3.2. Functional tests			20 h		
3.3. Regression tests				20 h	
3.3.1. Real time testing					
3.4. Tests in HUCA				10 h	
4. Analysis of results					
4.1. Conclusions and analysis of proposed system					20 h
5. Elaboration of document		10 h	10 h	15 h	20 h