GP_4M_SV2_Intake3_FOTA_5

ITI

Project Manager

Project Start: 10/6/2023

Display Week: 1

TASK	ASSIGNED	PROGRESS	START	DAYS	END
Phase 1		-	**10/6/2023**		**10/14/2023**
Understanding the principle of Bootloader	Everyone	100%	10/6/2023	2	10/7/2023
Implementing the Bootloader based on UART protocol	Maisara Rashad / Omar Abou zaid	100%	10/8/2023	3	10/10/2023
Testing the Bootloader packet commands	Ahmed Ibrahim	100%	10/11/2023	2	10/12/2023
Sending the App code using UART protocol to the Bootloader	Mostafa / Mahmoud	100%	10/13/2023	2	10/14/2023
Phase 2		-	**10/15/2023**		**10/22/2023**
Understanding the principle of FOTA	Everyone	100%	10/15/2023	3	10/17/2023
Trying to configure the ESP8266 as a wifi module	Mahmoud Salah	100%	10/18/2023	1	10/18/2023
Understanding how the Raspberry Pi works and its configuration in order to use it as a Host	Mostafa Khalil	100%	10/19/2023	2	10/20/2023
Connect the raspberry pi to the server and use it to download the hex file from the server	Ahmed Ibrahim/ Mostafa Khalil	100%	10/21/2023	2	10/22/2023
Phase 3		-	**10/23/2023**		**11/2/2023**
Integrating the bootloader with the FOTA and testing the functionality together	Everyone	100%	10/23/2023	1	10/23/2023
Understanding the principle of V2V	Everyone	100%	10/24/2023	1	10/24/2023
Getting the hardware needed for the Vehicle	Maisara / Omar / Ahmed	100%	10/25/2023	1	10/25/2023
Implementing Timer1, ICU, and Ultrasonic Drivers and Testing it	Mostafa / Mahmoud	100%	10/26/2023	2	10/27/2023
Implementing Timer 2-3-4-5 and DC Motors Drivers and Testing it	Ahmed Ibrahim	100%	10/28/2023	2	10/29/2023
Implementing Speedometer Module and IR Transmitter Module and Testing it	Maisara Rashad	100%	10/30/2023	2	10/31/2023
Implementing Servo Motor Module and ADC Driver and Testing it	Omar Abou Zaid	100%	11/1/2023	2	11/2/2023
Phase 4		-	**11/3/2023**		**11/12/2023**
Testing the DC Motor with Ultrasonic	Ahmed Ibrahim / Mahmoud Salah	100%	11/3/2023	1	11/3/2023
Testing the Servo Motor with the Ultrasonic and DC Motor	Omar Abou Zaid / Ahmed Ibrahim	100%	11/4/2023	2	11/5/2023
Testing the Line Follower Sensor	Maisara Rashad	100%	11/6/2023	2	11/7/2023
Testing the IR Transmitter Module and IR Receiver Module	Ahmed Ibrahim/Maisara Rashad	100%	11/8/2023	1	11/8/2023
Testing the Optocoupler Speed Sensor	Ahmed Ibrahim/Maisara Rashad	100%	11/9/2023	1	11/9/2023
Lane Keeping system Application / Complex Lane Keeping Application / Simple Autonomous RC	Ahmed Ibrahim/Maisara Rashad	100%	11/10/2023	1	11/10/2023
Implement a simple fire base to upload the binary file	Mostafa Khalil	100%	11/11/2023	1	11/11/2023
Integrating the Fire Base with the FOTA	Ahmed Ibrahim / Mostafa Khalil	100%	11/12/2023	1	11/12/2023
Phase 5		-	**11/13/2023**		**11/15/2023**
V2V communication using IR spectrum	Maisara Rashad / Ahmed Ibrahim	100%	11/13/2023	1	11/13/2023
V2V Test cases	Maisara Rashad / Ahmed Ibrahim	100%	11/14/2023	1	11/14/2023
Presntation	Moustafa Khalil / Omar Abou Zaid	100%	11/14/2023	2	11/15/2023