DRIVAID Timeline	Sam	raj = I	BLUE		Ryan	= RE	D			Reid = ORANGE																																
		2/2	2			3/1/21			3	3/8/21		3/15		5	3		3/22	2			3/29			5				4/12			4/19			4/26			4		5/3			
TASK TITLE	м	ти	/ R	F	мт	w	RI	FM	Т	WR	F	м	τw	/ R	F	м	тw	R	F	м .	τw	/ R	F	м.	тw	R	F	мт	r w	R	FI	רוי	r w	R	F	мт	w	R F	м	Т	WR	F
Web Application																																						4	4			
Interface design														_																		_					\vdash					
Setting up Database														_																		_					\vdash					
Creating page layout														_			_					_							_			_			_							
Receive data from Raspberry Pi																						_															\square					
Display Infraction Warnings											_											_																				
Final Report Generation																																					\square		_			
Display Final Report																			_			_																				
Finalize integration with OBDII/analytics	_																																									
OBDII Communication																																										
Finalize design and order parts																																										
Understand CAN data formatting																																										
Connect Raspberry Pi to car with UBEC																																										
Set up raspberry Pi with PiCAN																																										
Set up raspberry Pi with ELM327																																										
Decipher OBDII data (Speed)																																										
Decipher OBDII data (RPM)																																										
Decipher OBDII data (throttle)																																										
Decipher OBDII data (brake)																																										
Decipher OBDII data (Steering Wheel Angle)																																										
Decipher OBDII data (Turn Signals)																																										
Decipher OBDII data (Fuel Level)																																										
Format OBDII data for SQLite database																																										
Finish charging system																																										
Data Analytics																																										
CANbus + OBDII research																																										
API + driving analysis research																																										
comm. design b/w data collection and app																																										
SQLite database design, setup, integration																																										
AWS IoT research																																										
RPM + motion + turning + fuel analysis																																										
GPS research, implementation, testing																																										
Speed limit analysis																																										
program paralleliztion																																										
Setup communication with WebApp																																										
Create msgs to send to driver for infractions																																										
Testing and Integration																																										
OBDII data testing																																										
Infractions testing																																										
Data Log testing														1					\square																				1			
Web application testing																			\uparrow																							
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Reports and Presentations																																										
Design Presentation																																										
Design Review Report Submission						1													$\uparrow \uparrow$																				+			
Final Presentation						1									1																						$ \uparrow $	-				
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