DEPARTMENT	DEPARTMENT GOAL	MEMBERS	MEMBER GOAL	Tasks
Motor And Motor Controller	**To Design And Select Motor And Motor Controller with High Efficiency , Good Power and Finest Torque .**	Samad Pathan	Understanding overall Motor and Motor Controller Department	Finding and Providing Material for Reading to Members.
			Distribution of working in proper manner and information collecti	Making Friendly Contacts with other teams participated in FSEV
	1. Literature Review and Market Study Of Motor		Working on Overall Tasks of Motor Department	Tracking the overall working of members time to time & looking forward to Goal Completion
	2. Study Of Various Types Of Motors			Studying Selection, Design, Calculation, Simulation part of Motor and Controller
	3. Motor Calculations For Analysing Required Parameters			
	4 . Selection Of Most Efficient , High Power and Finest Torque Motor.	Abhishek Kute	Understanding overall Motor and Motor Controller Department	Studying About Basic Concepts Of Motor
	5 . Study of Motor Controller and its Circuits and Connections		Working on Design Process of Motor Department	Taking Information about Corelation Between Terms Of Motor
	6. Motor Simulations on Virtual Platform for Analysis			Study Of Parameters And Selection of Motor
				Selection Of Motor According to Required Parameters
		Soham Nanaware	Understanding overall Motor and Motor Controller Department	Studying about Basic terms of Motor
			Working on Simulation Process of Motor Depatment	Information Collection of All Motor Parameters
				Learning the Process of Simulation
				Analysis Of Simulation of Motor And Controller .
		Harshwardhan Patil	Understanding overall Motor and Motor Controller Department	Studying about Working Of Motor
			Working on Required types of Motors	Study of Different Types Of Motor
				Analysis OF Which Motor suits Our EV
				Selection of Proper Motor Type for EV
		Rahul Parale	Understanding overall Motor and Motor Controller Department	Studying Basic Concepts Of Motor
			Working on Calculation Part of Motor	Work on Vehicle Dynamics
				Doing Calculations of Motor
				Providing Required Input values to All Members and Other Departments
		Sakshi Wathare	Understanding overall Motor and Motor Controller Department	
			Working on Motor Controller	Studying Basic Concepts Of Motor
				Information Collection Of Motor Controller
				Study Of Motor Controller
				Making Reference Documents After Tasks

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Accumulator	**Providing required power over predetermined time period to auxiliary and primary units.**	1. Apurv Pujari	1.Studying overall parameters of battery pack.	1.Providing suitable study material to members.
			2.Distribution of task with Accumulator members	2.Overall study of battery pack and it's components.
	1. Collecting information and selecting proper cell		3.Reading FB Rulebook regarding battery pack.	3.Providing knowledge of parameters of battery pack to members.
	2. Precise calculation		4.Working on Calculation part of Accumulator.	4.Study on input/output parameters of Accumulator,Motor,Charger
	3. Low cost		5.Working on Designing part of Accumulator.	5.Study on calculation part of battery pack at different conditions.
	4. Reusability			6.Designing overall battery pack on Catia with formal dimentions
	5. Structure of Accumlator			7.Taking feedback of tasks given to members time-to-time.
	6. Designing on Catia , Proteus.			
	7.Departmental Report.	2. Prathamesh Kharat	1.Studying overall parameters of battery pack.	1.Overall study of battery pack and it's components.
	8.Battery pack simulation.		2.Reading FB Rulebook regarding battery pack.	2.Understanding concepts of battery pack from Head.
	9.Literature Review and Market Study of battery pack components		3.Working on Calculation part of Accumulator.	3.Study of basic calculations of battery pack.
			4.Working on Designing part of Accumulator.	4.Study on structural support of battery pack.
				5.Study on designing part of battery pack.
		3. Prasanna Joshi	1.Studying overall parameters of battery pack.	1.Overall study of battery pack and it's components.
			2.Reading FB Rulebook regarding battery pack.	2.Understanding concepts of battery pack from Head.
			3.Working on Calculation part of Accumulator.	3.Study of basic calculations of battery pack.
			4.Working on Designing part of Accumulator.	4.Study on Battery Management System.
				5.Programming on calculations of battery pack.
		4. Atharv Yadav	1.Studying overall parameters of battery pack.	1.Overall study of battery pack and it's components.
			2.Reading FB Rulebook regarding battery pack.	2.Understanding concepts of battery pack from Head.
			3.Working on Calculation part of Accumulator.	3.Study of basic calculations of battery pack.
			4.Working on Designing part of Accumulator.	4.Study on structural support of battery pack.
				5.Designing part of battery pack.
		5. Shubham Khurd	1.Studying overall parameters of battery pack.	1.Overall study of battery pack and it's components.
			2.Reading FB Rulebook regarding battery pack.	2.Understanding concepts of battery pack from Head.
			3.Working on Calculation part of Accumulator.	3.Study of basic calculations of battery pack.
			4.Working on Designing part of Accumulator.	4.Study on Battery Management System.
				5.Working on Sponsership of battery pack.

DEPARTMENT	DEPARTMENT GOAL	MEMBERS	MEMBER GOAL	Tasks
Cooling System				
	Providing reliable cooling system where it is required.	1. Rohan Shendage	Understanding overall cooling system.	Finding and providing material for reading to members.
			Distribution of work in proper manner among membe	Making friendly contacts with other teams participated in FSEV.
	1. Collecting information about cooling system.			Tracking the overall working of members time to time.
	2. Identifying the overall types of cooling system.			Studying Selection, Design, Calculation, Simulation part of cs.
	3. Calculation regarding selection of cooling system.			
	4. Selection of most efficient, reliable, cost effective cs.	2. Nikhil Yadav	Understanding overall cooling system.	Reading and making notes of Heat Transfer 3rd year mech chapter.
	5. Designing the cooling system according to batterypack dimensions.		Working on design process of selected cs.	Taking info about cell configuration and batterypack design parameters.
	6. Simulation of cs on virtual mode.			Selection of cooling system
				Designing cs according to batterypack container.
		3. Sakshi Phadtare	Understanding overall cooling system.	Reading and making notes of Calmers RP about EV Cooling System
			Working on Calculation part for cs.	Taking knowledge about calculation process.
				Making a roadmap for process of calculation.
				Taking inputs from accumulator dept and make calculations.
		4. Varun Rajeshirke	Understanding overall cooling system.	Reading and making notes on Battery Management System.
			Working on Simulation part on visual basis.	Clearing the concept of simulation.
				Learning the required software for simulation.
				Taking inputs about calculation & design of cooling system.
				Simulating the cs as per parameters required.

DEPARTMENT	DEPARTMENT GOAL	MEMBERS	MEMBER GOAL	Tasks
Drive Train	**To design a lightweight drivetrain system for our car which can drive our car smoothly and efficiently.**	1.Rohit More	Distribution of work in proper manner among members	1.Finding and providing material for reading to members.
			Understanding overall Transmission System	2. Overall study of all the Transmission System and its components.
	Select proper differential and transmission system which should efficiently transfer torque from motor to wheels.		Working on the Calculation Part of the Transmission system	3.Calculations about total torque required which should be sufficient for initial acceleration.
			Working on the Designing, Simulation and Validation of Comp	4.Read the Research papers about the calculation of transmission systems
	Proper design and validation of all the designed components .			5.Learn the Catia for the designing of the components
	Ensure that all the drivetrain components satisfy the event rules.			6.Learn the OptimumLap for the validation of Vehicle dynamics and transmission data
		Chaitanya Kulkarni	Understanding Overall Transmission System	1.Understanding transmission system for EV.
			Working on the calculation and Design of Gearbox.	2. Designing of gear box for reduction.
				3.Design of Sproket.
		Sriniket Chavan	Understanding Overall Transmission System	1.Calculations For Sproket
			Working on the calculation and Design of the Differential and	2.Transmission system is needed for better launch experience

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Charger				
	Providing most efficient,reliable, best suitable charger for EV	1.Sakshi Hore	1.Studying overall information about charger	1.Collecting information about charger and making notes.
			2.Designing of Pre-charge and discharge circuit.	2.Study of all types of converter.
	1.Collecting overall information about charger.		3.Working on finalizing the charger.	3.Collecting information regardind designing of Pre-charhe and discharge circuit.
	2.Studying modes of charger.			4.Calculation of charger
	3.Studying overall information about converters.			5.Finalizing the suitable charger.
	4.Designing of Pre-charge and discharge circuit.			
	5.Calculation regarding charger	2.Aayuti Chougule	1.Studying overall information about charger	1.Collecting information about charger and making notes.
	6.Selection of best suitable charger		2.Study of all converter types.	2.Study of all types of converter.
			3.Working on finalizing the charger.	3.Collecting information regardind designing of Pre-charhe and discharge circuit.
				4.Calculation of charger
				5.Finalizing the suitable charger.
		3.Prajwal Patil	3.Collecting information regardind designing of Pre-c	1.Collecting information about charger and making notes.
			2.Working on selection of suitable charger for BI	2.Study of all types of converter.
			3.Making contact with other teams.	3.Collecting information regardind designing of Pre-charhe and discharge circuit.
			4.Working on finalizing the charger.	4.Calculation of charger
				5.Finalizing the suitable charger.
		4.Avdhut Patil	1.Studying overall information about charger	1.Collecting information about charger and making notes.
			2.Studying modes of charger.	2.Study of all types of converter.
			3.Working on finalizing the charger.	3.Collecting information regardind designing of Pre-charhe and discharge circuit.
				4.Calculation of charger
				5.Finalizing the suitable charger.

DEPARTMENT	DEPARTMENT GOAL	MEMBERS	MEMBER GOAL	Tasks
Sensors, switches and circuit	**Providing reliable sensors and switches.**			
	Designing safety circuits for safety of vehicle.	1.Devdatta Aradhye	Understanding the sensors,switches and circuits	Studying the rules through rulebook related to department
			Distribution of work to all members in proper way	Finding resource material for reading
	1.Collecting basic information related to our department.		Working on sensors and switches	Taking timely feedback of members working
	2.Studying each sensor and switch deeply.			Selection of sensors and switches as per requirement
	3.Studying designing of safety circuit.			
	4.Making reference documents of collected data.	2.Vaishnavi Sawant	Understanding the sensors,switches and circuits	Reading and making notes from resource material
	5.Finalisation of all sensors,switches and cicuit		Working on safety circuits and switches	Taking information of shutdown switches and shutdown circuit
				Taking information of brake system plausibility device
				Designing of brake system plausibility device as per requirement
		3.Onkardip Ghodake	Understanding the sensors,switches and circuit	Reading and making notes from resource material
			Working on switches and safety circuits	Taking knowledge about different switches
				Studying the design of precharge and discharge circuit
				Designing of safety circuits as per requirement

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Tractive system				
	Design and provide faultless tractive system.	1. Purva Wali	Understanding overall tractive system.	Reading and making notes of HVD ,TSMS ,precharge and discharge circuit from rulebook.
			Working on given parts.	Studying the graphs of precharge and discharge circuit.
	1. Collecting the basic information of tractive system.			Study brake system plausibility device.
	2. Studying the parts of tractive system.			Selection of components with its cost.
	3. Designing of precharge and discharge circuit and its graphs.			
	4. Study of switches used in shutdown circuit.	2. Sakshi hebbalkar	Allover tractive system analysis and detailed study ab	Study of TSAL and it's mountaings
	5. Selection of best suitable components.			Specifications of RTDS and Data logger in tractive system and it's rules ,mounting
				LVMS mountaings and costing
				Study of shutdown switches, it's mountaings and wiring and Tentetive cost
		3.Mangesh Dharmadhikari	To provide the electric vehicle the best and	Study on tractive system energy storage
			flawless tractive system	Learning the required circut for shut down circuit
			Work specifically on every part	Study of precharge and discharge circuit and its circuits
				Some shut down buttons information
		4.Pratiksha Pawar	study of each part of tractive system .	Study of TSAL,RTDs and data logger.
				study regarding precharge and discharge circuit.
				Readings notes related to different parts of tractive system.