

MIT WORLD PEACE UNIVERSITY
FACULTY OF ENGINEERING AND TECHNOLOGY

MTech by Research (eMobility) (Batch 2021 – 2023)

Trimester – I

Sr. No.	Course Code	Name of Course	Type	Total Hrs.			Credits		Assessment Marks**			
				Theory	Tutorial	Lab	Theory	Lab	CCA*	LCA*	ETT	Total
1		Research Methodology	PC	30	-	-	2	-	50	-	50	100
2		EV and Drives	PC	45	-	-	3	-	100	-	50	150
3		Advanced Power Electronics	PC	45	-	-	3	-	100	-	50	150
4		Drivetrain Control Systems	PC	30	-	60	2	-	-	100	-	100
5		WPC	PC	30	-	-	2	-	100	-	-	100
		Total		120	-	120	12	4	350	100	150	600

****Assessment Marks are valid only if Attendance criteria are met**

* CCA: Class Continuous Assessment

* LCA: Laboratory Continuous Assessment

Trimester Teaching Hours: 240 Hours

Total Credits Second Year BTech Trimester - I: 12

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Trimester – II

Sr. No.	Course Code	Name of Course	Type	Total Hrs.			Credits		Assessment Marks**			
				Theory	Tutorial	Lab	Theory	Lab	CCA*	LCA*	ETT	Total
1		Research and Publication Ethics	PC	30	-	-	2	-	50	-	50	100
2		MOOC/Online Course	Int er..	30	-	-	2	-	100	-	-	100
3		Energy Storage Systems	WP	30	-	-	2	-	70	-	30	100
4		Seminar - I	PC	-	-	60	-	2	100	-	-	100
		Total		90	-	60	6	2	320	-	80	400

****Assessment Marks are valid only if Attendance criteria are met**

* CCA: Class Continuous Assessment

* LCA: Laboratory Continuous Assessment

Trimester Teaching Hours: 150 Hours

Total Credits Second Year BTech Trimester - II: 8

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Trimester – III

Sr. No.	Course Code	Name of Course	Type	Total Hrs.			Credits		Assessment Marks**			
				Theory	Tutorial	Lab	Theory	Lab	CCA	LCA	ETT	Total
1		Research Stage - I	PC	-	-	240	-	8	-	400	-	400
2		Research Seminar - I	PC	-	-	90	-	3	-	150	-	150
		Total		-	-	330	-	11	-	550	-	550

****Assessment Marks are valid only if Attendance criteria are met**

* CCA: Class Continuous Assessment

* LCA: Laboratory Continuous Assessment

Trimester Teaching Hours: 330 Hours

Total Credits Third Year BTech Trimester - III: 11

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Trimester – IV

Sr. No.	Course Code	Name of Course	Type	Total Hrs.			Credits		Assessment Marks**			
				Theory	Tutorial	Lab	Theory	Lab	CCA	LCA	ETT	Total
1		Research Stage - II	PC	-	-	300	-	10	-	500	-	500
2		Research Seminar - II	PC	-	-	90	-	3	-	150	-	150
		Total		-	-	390	-	13	-	650	-	650

****Assessment Marks are valid only if Attendance criteria are met**

* CCA: Class Continuous Assessment

* LCA: Laboratory Continuous Assessment

Trimester Teaching Hours: 390 Hours

Total Credits Third Year BTech Trimester - IV: 13

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Trimester – V

Sr. No.	Course Code	Name of Course	Type	Total Hrs.			Credits		Assessment Marks**			
				Theory	Tutorial	Lab	Theory	Lab	CCA	LCA	ETT	Total
1		Research Stage – III [#]	PC	-	-	450	-	15	-	750	-	750
2		Research Seminar - III	PC	-	-	90	-	3	-	150	-	150
		Total		-	-	540	-	18	-	900	-	900

Minimum one research papers should be accepted/published prior to appear for Research Stage – III evaluation.

****Assessment Marks are valid only if Attendance criteria are met**

Trimester Teaching Hours: 540 Hours

Total Credits Third Year BTech Trimester - V: 18

* CCA: Class Continuous Assessment

* LCA: Laboratory Continuous Assessment

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Trimester – VI

Sr. No.	Course Code	Name of Course	Type	Total Hrs.			Credits		Assessment Marks**			
				Theory	Tutorial	Lab	Theory	Lab	CCA	LCA	ETT	Total
1		Research Stage – IV [#]	PC	-	-	450	-	15	-	750	-	750
2		Research Seminar - IV	PC	-	-	90	-	3	-	150	-	150
		Total		-	-	540	-	18	-	900	-	900

Minimum two research papers should be accepted/published prior to appear for Research Stage – IV evaluation. One of these papers should be in reputed SCOPUS/WoS journal.

**Assessment Marks are valid only if Attendance criteria are met

* CCA: Class Continuous Assessment

* LCA: Laboratory Continuous Assessment

Trimester Teaching Hours: 540 Hours

Total Credits Third Year BTech Trimester - VI: 18

Total MTech by Research (eMobility) Credits: 80 Credits