

**AMITY UNIVERSITY**  
**RAJASTHAN**  
**PROGRAMME STRUCTURE**  
**Master of Technology**  
**(Electronics & Communication Engineering)**

**Programme Code: MTE (2021-2023)**

**Duration – 2 Years Full Time**

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**Master of Technology**  
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<b>Semester I</b>					
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### PROGRAMME STRUCTURE

#### Master of Technology

#### (Electronics & Communication Engineering)

Code	Course	Category	L	T	P	Credits
MTE 101	Advanced Digital Communication	CC	3	1		4
MTE 102	Advanced instrumentation and System Design	CC	3	1		4
MTE 103	Stochastic Methods	CC	3	1		4
MTE 123	Stochastic Lab	CC			2	1
MTE 121	Advanced Digital Communication lab	CC			2	1
MTE 122	Advanced instrumentation and System Design Lab	CC			2	1
MTE 160	Project -I	CC				4
<b>DE Electives: Student has to select 1 course from the list of following DE electives</b>						
MTE 104	Satellite Communication	DE	3	1		4
MTE 105	Advanced Optical Communication	DE	3	1		4
<b>Open Elective</b>						
	OPEN ELECTIVE - I	OE	3			3
<b>Value Added</b>						
BCS 111	Communication Skills - I	VA	1			1
BSS 111	Behavioural Science - I, (Understanding Self for Effectiveness - I)	VA	1			1
	Foreign Language - I	VA	2			2
FLT 111	French					
FLG 111	German					
FLS 111	Spanish					
FLC 111	Chinese					
<b>Non-Teaching Credit Course (NTCC)</b>						
AND001	Anandam-I	NTCC	-	-	-	2
<b>Total</b>						<b>32</b>

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<b>Semester II</b>						
<b>Code</b>	<b>Course</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credits</b>
MTE 201	LP VLSI	CC	3	1		4
MTE 202	High Level System Design & Modeling	CC	3	1		4
MTE 203	Advanced Microwave Engineering	CC	3	1		4
MTE 221	LP VLSI Lab	CC			4	2
MTE 260	Project - I	CC				4
MTE 222	High Level System Design & Modeling lab	CC			2	1
MTE 223	Advanced Microwave Engineering lab	CC			2	1
<b>DE Electives: Student has to select 1 course from the list of following DE electives</b>						
MTE 204	Satellite Communication	DE	3	1		4
MTE 205	MEMS & IC Integration	DE	3	1		4
<b>Open Elective</b>						
	OPEN ELECTIVE - II	OE	3			3
<b>Value Added</b>						
BCS 201	Communication Skills - II	VA	1			1
BSS 201	Behavioural Science - II	VA	1			1
	Foreign Language - II					
FLT 201	French	VA	2			2
FLG 201	German					
FLS 201	Spanish					
FLC 201	Chinese					
<b>Non-Teaching Credit Course (NTCC)</b>						
AND002	Anandan-II	NTCC	-	-	2	2
	<b>TOTAL</b>					<b>33</b>

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### PROGRAMME STRUCTURE

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<b>Semester III</b>						
Code	Course	Category	L	T	P	Credits
MTE 301	Digital Signal Processing	CC	3	1		4
MTE 302	Antenna Theory & Design	CC	3	1		4
MTE 303	Image Processing	CC	3	1		4
MTE 361	Project - II	CC				5
MTE 321	DSP Lab	CC			2	1
MTE 322	Image Processing Lab	CC			2	1
<b>DE Electives: Student has to select 1 course from the list of following DE electives</b>						
MTE 304	Optimization Techniques	DE	3	1		3
MTE 305	VLSI Sub System Design	DE	2	1		3
<b>Open Elective</b>						
	OPEN ELECTIVE - III	OE	3			3
<b>Value Added</b>						
BCS 301	Communication Skills - III	VA	1			1
BSS 304	Behavioural Science - III	VA	1			1
	Foreign Language - III					
FLT 301	French	VA	2			2
FLG 301	German					
FLS 301	Spanish					
FLC 301	Chinese					
Total						<b>29</b>

<b>Semester IV</b>						
Code	Course	Category	L	T	P	Credits

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MTE 450	Dissertation	CC				<b>30</b>
<b>Total</b>						

Note:- CC - Core Course, VA - Value Added Course, OE - Open Elective, DE - Domain Elective, FW - Field Work

**Credit- 124**

**Total**