



# GUJARAT TECHNOLOGICAL UNIVERSITY

Course: ME      Sem/Year: All

Branch: 02 - COMPUTER ENGINEERING

Subcode	SubjectName	Sem	L.	T.	P.	Credit	E	M	I	V	Total	Elective	IsTheory	Ispractical	Remark
3700001	English for Research Paper Writing cat.- Audit Course	1	2	0	0	0	50	0	0	0	50	Yes	Yes 2 Hrs	No N/A	Only 1 Subject to be taken in each Semester
3700001	English for Research Paper Writing cat.- Audit Course	2	2	0	0	0	50	0	0	0	50	Yes	Yes 2 Hrs	No N/A	0
3700005	Constitution of India cat.- Audit Course	1	2	0	0	0	50	0	0	0	50	Yes	Yes 2 Hrs	No N/A	Only 1 Subject to be taken in each Semester
3700005	Constitution of India cat.- Audit Course	2	2	0	0	0	50	0	0	0	50	Yes	Yes 2 Hrs	No N/A	0
3710001	Research Methodology and IPR cat.- MLC	1	1	0	2	2	0	0	20	80	100	No	No N/A	Yes N/A	0
3710213	Distributed Systems cat.- Program Elective II	1	3	0	2	4	70	30	20	30	150	Yes	No 2.5 Hrs	No N/A	0
3710214	Mathematical foundations of Computer Science cat.- Core I	1	3	0	2	4	70	30	20	30	150	No	No 2.5 Hrs	No N/A	0

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3710215	Advanced Data Structures cat.- Core II	1	3	0	2	4	70	30	20	30	150	No	No 2.5 Hrs	No N/A	0
3710216	Machine Learning cat.- Program Elective I	1	3	0	2	4	70	30	20	30	150	Yes	No 2.5 Hrs	No N/A	0
3710217	Wireless Sensor Networks cat.- Program Elective I	1	3	0	2	4	70	30	20	30	150	Yes	No 2.5 Hrs	No N/A	0
3710218	Operating System Design cat.- Program Elective I	1	3	0	2	4	70	30	20	30	150	Yes	No 2.5 Hrs	No N/A	0
3710219	Data Science cat.- Program Elective II	1	3	0	2	4	70	30	20	30	150	Yes	No 2.5 Hrs	No N/A	0
3710220	Parallel Programming Tools and Model cat.- Program Elective II	1	3	0	2	4	70	30	20	30	150	Yes	No 2.5 Hrs	No N/A	0
3720001	Mini Project with Seminar cat.- Core	2	0	0	4	2	0	0	100	0	100	No	No NA	No N/A	0
3720216	Advance Algorithms cat.- Core III	2	3	0	2	4	70	30	20	30	150	No	No 2.5 Hrs	No N/A	0
3720217	Soft Computing cat.- Core IV	2	3	0	2	4	70	30	20	30	150	No	No 2.5 Hrs	No N/A	0

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Subcode	SubjectName	Sem	L.	T.	P.	Credit	E	M	I	V	Total	Elective	IsTheory	Ispractical	Remark
3720218	Secure Software Design and Enterprise Computing cat.- Program Elective III	2	3	0	2	4	70	30	20	30	150	Yes	No 2.5 Hrs	No N/A	0
3720219	Computer Vision cat.- Program Elective III	2	3	0	2	4	70	30	20	30	150	Yes	No 2.5 Hrs	No N/A	0
3720220	HPC Architecture and ECO system cat.- Program Elective III	2	3	0	2	4	70	30	20	30	150	Yes	No 2.5 Hrs	No N/A	0
3720221	GPU Computing cat.- Program Elective IV	2	3	0	2	4	70	30	20	30	150	Yes	No 2.5 Hrs	No N/A	0
3720222	Parallel Algorithms cat.- Program Elective IV	2	3	0	2	4	70	30	20	30	150	Yes	No 2.5 Hrs	No N/A	0
3720223	Advanced Machine Learning cat.- Program Elective IV	2	3	0	2	4	70	30	20	30	150	Yes	No 2.5 Hrs	No N/A	0
3730002	Internal Review 1 cat.- Internal Review 1	3	0	0	4	2	0	0	100	0	100	No	No N/A	Yes N/A	0
3730003	Dissertation Phase I cat.- Dissertation	3	0	0	16	8	0	0	0	100	100	No	No N/A	Yes N/A	0
3730005	Business Analytics cat.- Open Elective	3	3	0	0	3	70	30	0	0	100	Yes	Yes 2.5 Hrs	No N/A	0

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3730006	<b>Industrial Safety</b> cat.- Open Elective	3	3	0	0	3	70	30	0	0	100	Yes	Yes 2.5 Hrs	No N/A	0
3730007	<b>Operation Research</b> cat.- Open Elective	3	3	0	0	3	70	30	0	0	100	Yes	Yes 2.5 Hrs	No N/A	0
3730208	<b>Cloud Computing</b> cat.- Program Elective V	3	3	0	0	3	70	30	0	0	100	Yes	Yes 2.5 Hrs	No N/A	0
3730209	<b>High Performance Scientific Computing</b> cat.- Program Elective V	3	3	0	0	3	70	30	0	0	100	Yes	Yes 2.5 Hrs	No N/A	0
3730210	<b>Complier for HPC</b> cat.- Program Elective V	3	3	0	0	3	70	30	0	0	100	Yes	Yes 2.5 Hrs	No N/A	0

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