

GUJARAT TECHNOLOGICAL UNIVERSITY

Regular MCA

Subjects and Teaching Scheme (W.E.F. June, 2017)

SEMESTER V

Subject Code	Subject Name	Teaching Scheme			Credits	Theory		Practical / VIVA		Total Marks	
		Theory	Tutorial	Practical		University Exam (ESE)	Mid-Term Exam (PA)	Mid-Term Practical / Viva (PA)	External Practical / Viva (ESE)	Theory	Practical / VIVA
3650001	Design & Analysis of Algorithms (DAA)	4	-	3	7	70	30	20	30	100	50
3650002	Artificial Intelligence (AI)	4	-	3	7	70	30	20	30	100	50
3650003	Digital Technology Trends (DTT)	0	4	-	4	-	-	20	80	-	100
*****	Elective-V	3	-	3	6	70	30	20	30	100	50
*****	Elective-VI	3	-	3	6	70	30	20	30	100	50
	Total	14	4	12	30	280	120	100	200	400	300

<u>Elective – V</u>	
3650004	Big Data Analytics (BDA)
3650005	Java Web Technologies (JWT)
3650006	Web Commerce (WC)
3650007	Search Engine Techniques (SET)
3650008 *	Web Data Management (WDM)
3650009	Advanced Networking (AN)

<u>Elective – VI</u>	
3650010	Big Data Tools (BDT)
3650011	Software Quality and Assurance (SQA)
3650012	Cloud Computing (CC)
3650013	Information Retrieving (IR)
3650014	Machine Learning (ML)
3650015	Data Visualization (DV)
3650016 *	Wireless Communication & Mobile Computing (WCMC)

* These two subjects (WDM & WCMC) are exclusively offered to IEP (International Experience Program) students only. Therefore, other students are NOT permitted to opt these subjects.