

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M. Tech. WEB TECHNOLOGY/ INFORMATION TECHNOLOGY
EFFECTIVE FROM ACADEMIC YEAR 2022 - 23 ADMITTED BATCH

R22 COURSE STRUCTURE AND SYLLABUS

I YEAR I – SEMESTER

Course Code	Course Title	L	T	P	Credits
Professional Core - I	Service Oriented Architecture and Microservices	3	0	0	3
Professional Core - II	Advanced Data Structures	3	0	0	3
Professional Elective - I	1. Database Programming with PL/SQL 2. Full Stack Development 3. Mobile Application Development	3	0	0	3
Professional Elective - II	1. IT Project Management 2. Web and Social Media Analytics 3. Information Security	3	0	0	3
Lab - I	Advanced Data Structures Lab	0	0	4	2
Lab - II	Professional Elective - I Lab	0	0	4	2
	Research Methodology & IPR	2	0	0	2
Audit - II	Audit Course - I	2	0	0	0
	Total	16	0	8	18

I YEAR II – SEMESTER

Course Code	Course Title	L	T	P	Credits
Professional Core - III	Web Scrapping using Python	3	0	0	3
Professional Core - IV	Web 3.0	3	0	0	3
Professional Elective - III	1. Game Development 2. Enterprise Cloud Concepts 3. UI and UX Design	3	0	0	3
Professional Elective - IV	1. Big Data Analytics 2. Augmented Reality and Virtual Reality 3. Agile Methodology	3	0	0	3
Lab - III	Web Scrapping using Python Lab	0	0	4	2
Lab - IV	Professional Elective - III Lab	0	0	4	2
	Mini Project with Seminar	0	0	4	2
Audit - II	Audit Course- II	2	0	0	0
	Total	14	0	12	18

II YEAR I – SEMESTER

Course Code	Course Title	L	T	P	Credits
Professional Elective - V	1. DevOps 2. Internet of Things 3. Blockchain Technology	3	0	0	3
Open Elective	Open Elective	3	0	0	3
Dissertation	Dissertation Work Review - II	0	0	12	6
	Total	6	0	12	12

II YEAR II - SEMESTER

Course Code	Course Title	L	T	P	Credits
Dissertation	Dissertation Work Review - III	0	0	12	6
Dissertation	Dissertation Viva-Voce	0	0	28	14
	Total	0	0	40	20

***For Dissertation Work Review - I, Please refer 7.8 in R19 Academic Regulations.**

Audit Course I & II:

1. English for Research Paper Writing
2. Disaster Management
3. Sanskrit for Technical Knowledge
4. Value Education
5. Constitution of India
6. Pedagogy Studies
7. Stress Management by yoga
8. Personality Development Through Life Enlightenment Skills