VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

M.TECH-CSE- COURSE STRUCTURE

M.TECH - I YEAR   I – SEMESTER   **R21**

Course Type	Course Code	Course Title	L	T	P	Credits
Professional Core -I	21CS6111	Mathematical Foundations of Computer Science	3	0	0	3
Professional Core -II	21CS6112	Advanced Data Structures	3	0	0	3
Professional Elective -I	21CS6171	Information Security	3	0	0	3
	21CS6172	Mobile Application Development				
	21CS6173	Machine Learning				
Professional Elective -II	21CS6174	Soft Computing	3	0	0	3
	21CS6175	Cloud Computing				
	21CS6176	Data Mining				
Professional Core Lab-I	21CS6151	Advanced Data Structures Lab	0	0	4	2
Professional Core Lab-II	21CS6152	Machine Learning Lab	0	0	4	2
Mandatory Course	21MC6111	Research Methodology & IPR	2	0	0	2
Audit	21AU6101	Stress Management by Yoga	2	0	0	0
		Total	**16**	**0**	**8**	**18**

M.TECH - I YEAR   II – SEMESTER   **R21**

Course Type	Course Code	Course Title	L	T	P	Credits
Professional Core -III	21CS6211	Advanced Algorithms	3	0	0	3
Professional Core -IV	21CS6212	Advanced Computer Architecture	3	0	0	3
Professional Elective -III	21CS6271	Natural Language Processing	3	0	0	3
	21CS6272	Internet of Things				
Professional Elective -IV	21CS6273	Data Science				
	21CS6274	Cyber Security	3	0	0	3
	21CS6275	Advanced Computer Networks				
	21CS6276	Big Data Analytics				
Professional Core Lab-III	21CS6251	Advanced Algorithms Lab	0	0	4	2
Professional Core Lab-IV	21CS6252	Data Science Lab	0	0	4	2
Project Work	21CS6291	Mini Project with Seminar	0	0	4	2
Audit	21AU6201	English for Research Paper Writing	2	0	0	0
		Total	**14**	**0**	**12**	**18**

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

M.TECH-CSE- COURSE STRUCTURE

M.TECH - II YEAR   I – SEMESTER   **R21**

Course Type	Course Code	Course Title	L	T	P	Credits
Professional Elective-V	21CS7171	Digital Forensics	3	0	0	3
	21CS7172	High Performance Computing				
	21CS7173	Deep Learning				
Open Elective			3	0	0	3
Project Work	21CS7181	Dissertation Work Review - I	0	0	12	6
		Total	**6**	**0**	**12**	**12**

M.TECH - I YEAR   II – SEMESTER   **R21**

Course Type	Course Code	Course Title	L	T	P	Credits
Project Work	21CS7281	Dissertation Work Review - II	0	0	12	6
Project Work	21CS7282	Dissertation (Viva-Voce)	0	0	28	14
		Total	**0**	**0**	**40**	**20**