

VAAGESWARI COLLEGE OF ENGINEERING

(AUTONOMOUS)

M.Tech. in COMPUTER SCIENCE AND ENGINEERING COURSE

Applicable from AY 2024-25 Batch

VR24 COURSE STRUCTURE AND SYLLABUS**I YEAR I – SEMESTER**

Course Code	Course Title	L	T	P	Credits
24D58C101	Mathematical Foundations of Computer Science	3	0	0	3
24D58C102	Advanced Data Structures	3	0	0	3
Professional Elective – I	24D58E103:Database Programming with PL/SQL 24D58E104:Deep Learning 24D58E105:Natural Language Processing	3	0	0	3
Professional Elective – II	24D58E106:Applied Cryptography 24D58E107:Software Quality Engineering 24D58E108:Mining Massive Datasets	3	0	0	3
24D58L109	Advanced Data Structures Lab	0	0	4	2
Professional Elective - I Lab	24D58L110:Database Programming with PL/SQL 24D58L111:Deep Learning 24D58L112:Natural Language Processing	0	0	4	2
24D58M113	Research Methodology & IPR	2	0	0	2
Audit Course- I	24D58N114:English for Research Paper Writing 24D58N115:Disaster Management 24D58N116:Sanskrit for Technical Knowledge 24D58N117:Value Education	2	0	0	0
	Total	16	0	8	18

I YEAR II – SEMESTER

Course Code	Course Title	L	T	P	Credits
24D58C201	Advanced Algorithms	3	0	0	3
24D58C202	Advanced Computer Architecture	3	0	0	3
Professional Elective – III	24D58E203:Enterprise Cloud Concepts 24D58E204:Advanced Computer Networks 24D58E205:Edge Analytics	3	0	0	3
Professional Elective –IV	24D58E206:Bioinformatics 24D58E207:Nature Inspired Computing 24D58E208:Robotic Process Automation	3	0	0	3
24D58L209	Advanced Algorithms Lab	0	0	4	2
Professional Elective - III Lab	24D58L210:Enterprise Cloud Concepts 24D58L211:Advanced Computer Networks 24D58L212:Edge Analytics	0	0	4	2
24D58M213	Mini Project with Seminar	0	0	4	2
Audit Course- II	24D58N214:Constitution of India 24D58N215:Pedagogy Studies 24D58N216:Stress Management by yoga 24D58N217:Personality Development Through Life Enlightenment Skills	2	0	0	0
	Total	14	0	12	18