

----- Program Structure -----

B.Sc. (Cyber & Digital Science) Level 4.5 (F.Y.) SEMESTER I										
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
U24/CDS1ST1	Subject- 1	Fundamentals of Computers & Problem Solving	3		20	30	50	2		2
U24/CDS1SP1		Lab on Fundamentals of Computers & Problem Solving		4	20	30	50		2	2
U24/CDS1ST2	Subject- 2	Linux System Administration	3		20	30	50	2		2
U24/CDS1SP2		Lab on Linux System Administration		4	20	30	50		2	2
U24/CDS1ST3	Subject- 3	Programming in C	3		20	30	50	2		2
U24/CDS1SP3		Lab on C Programming		4	20	30	50		2	2
U24/CDS1OET1	GE/OE	From College Basket	3	-	20	30	50	2	-	2
U24/CDS1SECT1	SEC(P)	Lab course on Discrete Mathematics	-	4	20	30	50	2	-	2
U24/CDS1HKST1	IKS (Generic)	Indian Science, Engineering and Technology (Past, Present and Future)	3	-	20	30	50	2	-	2
U24/CDS1AECT1	AEC	Language Communication-I	3	-	20	30	50	2	-	2
U24/CDS1VSCT1	VEC	EVS-I	3	-	20	30	50	2	-	2
Total			21	16	220	330	550	16	6	22

B.Sc. (Cyber & Digital Science) Level 4.5 (F.Y.) SEMESTER II										
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
U24/CDS2ST1	Subject- 1	Fundamentals of Cyber Security	3		20	30	50	2		2
U24/CDS2SP1		Lab on Fundamentals of Cyber Security		4	20	30	50		2	2
U24/CDS2ST2	Subject- 2	Cryptography & Network Security	3		20	30	50	2		2
U24/CDS2SP2		Lab on Cryptography & Network Security		4	20	30	50		2	2
U24/CDS2ST3	Subject- 3	Python Programming	3		20	30	50	2		2
U24/CDS2SP3		Lab on Python Programming		4	20	30	50		2	2
U24/CDS2GEP1	GE/OE	From College Basket		4	20	30	50		2	2
U24/CDS2SECP1	SEC(P)	Lab course on Basics of Statistical Techniques	-	4	20	30	50		2	2
U24/CDS2AECT1	AEC	Language Communication-II	3	-	20	30	50	2		2
U24/CDS2VECT1	VEC	EVS-II	3	-	20	30	50	2		2
U24/CDS2CCT1	CC	NSS/NCC/Yoga/Sports/Cultural/Health & Fitness	3	-	20	30	50	2		2
Total			18	20	220	330	550	12	10	22

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B.Sc. (Cyber & Digital Science) Level 4.5 (F.Y.) SEMESTER III										
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
U24/CDS3ST1	Major Core	Ethical Hacking-I	3		20	30	50	2		2
U24/CDS3ST2		Database Management System	3		20	30	50	2		2
U24/CDS3ST3		Lab course on U24/CDS3ST1 & U24/CDS3ST2	-	4	20	30	50		2	2
U24/CDS3VSCT1	VSC	Fundamentals of Digital Electronics	3		20	30	50	2		2
U24/CDS3FPP1	FP	Field Project Based on U24/CDS3ST1	-	2	20	30	50		2	2
U24/CDS3MNT1	Minor	Bug Hunting OR Java Programming	3		20	30	50	2		2
U24/CDS3MNP1		Lab on Bug Hunting OR Lab on Java Programming		4	20	30	50		2	2
U24/CDS3GET1	GE/OE	From College Basket	3	-	20	30	50	2		2
U24/CDS3IKST1	IKS	Computing in Ancient India	3	-	20	30	50	2		2
U24/CDS3AECT1	AES	Sanskrit/Marathi/Hindi-I	3	-	20	30	50	2		2
U24/CDS3CCT1	CC	NSS / NCC / Yoga / Sports / Cultural / Health & Fitness.	3	-	20	30	50	2		2
Total			18	20	220	330	550	16	6	22

B.Sc. (Cyber & Digital Science) Level 5.0 (S.Y.) SEMESTER IV										
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
U24/CDS4MCT1	Major Core	Ethical Hacking-II	3		20	30	50	2		2
U24/CDS4MCT2		Software Engineering & UML	3		20	30	50	2		2
U24/CDS4MCP1		Lab course based on U24/CDS4MCT1 & U24/CDS4MCT2	-	4	20	30	50		2	2
U24/CDS4VSCP1	VSC	Data Structure using python programming	-	4	20	30	50	-	2	2
U24/CDS4CEPP1	CEP	Community Engagement Project	-	2	20	30	50		2	2
U24/CDS4MNT1	Minor	Cloud Security OR Advanced Network Security	3		20	30	50	2		2
U24/CDS4MNP1		Lab on Cloud Security OR Lab on Advance Network Security		4	20	30	50		2	2
U24/CDS4GEP1	GE/OE	From College Basket	-	4	20	30	50	2		2
U24/CDS4SECP1	SEC	Lab course based on U24/CDS4VSCP1	-	4	20	30	50	-	2	2
U24/CDS4AECT1	AES	Sanskrit/Marathi/Hindi-II	3	-	20	30	50	2		2
U24/CDS4CCT1	CC	NSS/NCC/Yoga/Sports/Cultural/Health & Fitness.	3	-	20	30	50	2		2
Total			15	22	220	330	550	12	10	22

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B.Sc. (Cyber & Digital Science) Level 5.5 (S.Y.) SEMESTER V										
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	To- tal	TH	P	Total
U24/CDS5MCT1	Major Core	Digital Forensic-I	3		20	30	50	2		2
U24/CDS5MCT2		Principles of Operating System	3		20	30	50	2		2
U24/CDS5MCT3		Cyber Ethics, Cyber Law & policies	3		20	30	50	2		2
U24/CDS5MCT4		Fundamentals of Malware Analysis	3		20	30	50	2		2
U24/CDS5MCP1		Lab course on Digital Forensic-I		4	20	30	50		2	2
U24/CDS5MCP2		Lab on Principles of Operating Systems		4	20	30	50		2	2
U24/CDS5MET1A	Major Elective	Information Security Policy & Audit	3	4	20	30	50	2		2
U24/CDS5MEP1A		Lab on Information Security Policy & Audit	-	4	20	30	50	2		2
OR		OR								
U24/CDS4MET1B		IoT Security & Applications	3		20	30	50	2		2
U24/CDS4MEP1B		Lab on IoT Security & Applications		4	20	30	50		2	2
U24/CDS4VSCP1	VSC	Lab on Web Science OR Lab on VAPT		4	20	30	50		2	2
U24/CDS4FPP1	FP	Field Project		2	20	30	50		2	2
U24/CDS4MNT1	Minor	Web Science OR VAPT	3		20	30	50	2		2
Total			18	22	220	330	550	12	10	22

B.Sc. (Cyber & Digital Science) Level 5.5 (S.Y.) SEMESTER VI										
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	To-tal	TH	P	Total
U24/CDS6MCT1	Major Core	Digital Forensic-II	3		20	30	50	2		2
U24/CDS6MCT2		Web & Mobile Applications	3		20	30	50	2		2
U24/CDS6MCT3		Social Media Overview & Security	3		20	30	50	2		2
U24/CDS6MCT4		Cyber Threat Intelligence	3		20	30	50	2		2
U24/CDS6MCP1		Lab course on Digital Forensic-II		4	20	30	50		2	2
U24/CDS6MCP2		Lab course on Web & Mobile Applications		4	20	30	50		2	2
U24/CDS6MET1A	Major Elective	Fin-Tech Cyber Security	3		20	30	50	2		2
U24/CDS6MEP1A		Lab on Fin-Tech Cyber Security		4	20	30	50		2	2
OR		OR								
U24/CDS6MET1B		Mobile Forensics	3		20	30	50	2		2
U24/CDS6MEP1B		Lab on Mobile Forensics		4	20	30	50		2	2
U24/CDS6VSCP1	VSC	Lab on Cyber Threat Intelligence		4	20	30	50		2	2
U24/CDS6OJTP1	OJT	On Job Training	--	2	20	30	50	--	4	4
Total			15	28	220	330	550	10	12	22

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B.Sc. (Cyber & Digital Science) Level 5.5 (S.Y.) SEMESTER VI										
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
U24/CDS6MCT1	Major Core	Social Media Overview & Security	3		20	30	50	2		2
U24/CDS6MCT2		Web & Mobile Applications	3		20	30	50	2		2
U24/CDS6MCP1		Lab on Web & Mobile Applications		4	20	30	50		2	2
U24/CDS6MCP2		Any Two MOOC Courses		2	25	75	100		4	2
U24/CDS6OJTP1	OJT	On Job Training		2	135	165	300		12	12
Total			6	8	220	330	550	4	18	22

B.Sc. (Cyber & Digital Science) Level 5.5 (S.Y.) SEMESTER VII										
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
U24/CDS7MCT1	Major Core	Mobile Applications & Services	3	-	40	60	100	4	-	4
U24/CDS7MCT2		Intrusion Detection & Prevention System	3	-	40	60	100	4	-	4
U24/CDS7MCT3		Digital Image Processing	3	-	20	30	50	2	-	2
U24/CDS7MCP1		Lab on Mobile Applications & Services	-	4	20	30	50	-	2	2
U24/CDS7MCP2		Lab on Intrusion Detection & Prevention System	-	4	20	30	50	-	2	2
U24/CDS7MET1A	Major Elec- tive	Wireless Security	3	-	20	30	50	2	-	2
U24/CDS6MEP1A		Lab on Wireless Security	-	4	20	30	50	-	2	2
OR		OR								
U24/CDS7MET1B		Digital Payments & Security	3	-	20	30	50	2	-	2
U24/CDS7MEP1B		Lab on Digital Payments & Security	-	4	20	30	50	-	2	2
U24/CDS7RMT1	RM	Research Methodology	5	-	40	60	100	4	-	4
Total			17	12	220	330	550	16	6	22

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B.Sc. (Cyber & Digital Science) (Level 6.0) SEMESTER VIII (Honors Degree)										
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
U24/CDS8MCT1	Major Core	Malware Analysis	3		40	60	100	4		4
U24/CDS8MCT2		Incident Handling	3		40	60	100	4		4
U24/CDS8MCT3		Cyber Security Architecture	3		20	30	50	2		2
U24/CDS8MCT4		Lab Malware Analysis		4	20	30	50		2	2
U24/CDS8MCP1		Lab on Incident Handling		4	20	30	50		2	2
U24/CDS8MET1A	Major Elective	Tools & Technology for Cyber Security	3		20	30	50	2		2
U24/CDS8MEP1A		Lab on Tools & Technology for Cyber Security		4	20	30	50		2	2
OR		OR	3		20	30	50	2		2
U24/CDS8MET1B		Penetration Testing		4	20	30	50		2	2
U24/CDS8MEP1B		Lab on Penetration Testing	--	2	40	60	100		4	4
U24/CDS8OJTP1	OJT	On Job Training	12	14	220	330	550	12	10	22
Total			12	14	280	270	550	12	10	22

B.Sc. (Cyber & Digital Science) (Level 6.0) SEMESTER VIII (Honors Degree) SEMESTER-LONG INTERNSHIP										
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/ Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	To- tal	TH	P	Total
U24/CDS8MCT1	Major Core	Cyber Security Architecture	3	-	20	30	50	2	-	2
U24/CDS8MCT2		Tools & Technology for Cyber Security	3	-	20	30	50	2	-	2
U24/CDS8MCP1		Lab on Tools & Technology for Cyber Security	-	-	20	30	50	-	2	2
U24/CDS8MCP2		Any Two MOOC Courses	-	2	25	75	100	-	4	4
U24/CDS8OJTP1	OJT	On Job Training	-	2	135	165	300	-	12	12
Total			6	4	220	330	550	4	18	22

Award of Four years UG Honors with Research Degree in Major and Minor with 176 Credits