2026A		2026A		2026A		2026A	
Bachelor of Science (Hons) in Software Engineering		Bachelor of Science (Hons) in Cloud Comp	puting	Bachelor of Science (Hons) in Cyber Secur	ity	Bachelor of Science (Hons) in Data Scien	nce
•	-		· -		•		
Unit code Unit name Year 1 - Semester 1	Credits Core/Elective	Unit code Unit name Year 1 - Semester 1	Credits Core/Elective	Unit code Unit name Cr Year 1 - Semester 1	edits Core/Elective	Unit code Unit name C Year 1 - Semester 1	Credits Core/Elective
ICO1301 Programming Fundamentals with Python	3 Core	fear 1 - Semester 1		rear 1 - Semester 1		fear 1 - Semester 1	
(CCS1300)		ICO1301 Programming Fundamentals with Python	3 Core	ICO1301 Programming Fundamentals with Python	3 Core	ICO1301 Programming Fundamentals with Python	3 Core
CSD0001 Foundation in English Language Skills	1 Core	CSD0001 Foundation in English Language Skills	1 Core	CSD0001 Foundation in English Language Skills	1 Core	CSD0001 Foundation in English Language Skills	1 Core
SMA0301 Pre-Calculus SPH0201 Introductory Physics	3 Core 0 NGPA	SMA0301 Pre-Calculus	3 Core	SMA0301 Pre-Calculus	3 Core	SMA0301 Pre-Calculus	3 Core
CCS1301 Computer Systems	0 NGPA 3 Core	SPH0201 Introductory Physics CCS1301 Computer Systems	0 NGPA 3 Core	SPH0201 Introductory Physics CCS1301 Computer Systems	0 NGPA 3 Core	SPH0201 Introductory Physics CCS1301 Computer Systems	0 NGPA 3 Core
CCS1302 Internet Technologies	3 Core	CCS1301 Computer Systems CCS1302 Internet Technologies	3 Core	CCS1302 Internet Technologies	3 Core	CCS1301 Computer Systems CCS1302 Internet Technologies	3 Core
•							
Total credits	13	Total credits	13	Total credits	13	Total credits	13
Year 1 - Semester 2		Year 1 - Semester 2		Year 1 - Semester 2		Year 1 - Semester 2	
SMA0302 Introductory Calculus	3 Core	SMA0302 Introductory Calculus	3 Core	SMA0302 Introductory Calculus	3 Core	SMA0302 Introductory Calculus	3 Core
PCC02201		PCCO2201		PCCO2201		PCC02201	
(CCS1303) Object Oriented Programming PCCO2202	3 Core	(CCS1303) Object Oriented Programming PCCO2202	3 Core	(CCS1303) Object Oriented Programming PCCO2202	3 Core	(CCS1303) Object Oriented Programming PCCO2202	3 Core
(CCS1304) Data Technolgies	3 Core	(CCS1304) Data Technolgies	3 Core	(CCS1304) Data Technolgies	3 Core	(CCS1304) Data Technolgies	3 Core
PCC02203		PCCO2203		PCCO2203		PCC02203	
(CCS1305) Communication Models and Protocols	3 Core	(CCS1305) Communication Models and Protocols	3 Core	(CCS1305) Communication Models and Protocols	3 Core	(CCS1305) Communication Models and Protocols	3 Core
PCCO2204 (CCS1306) Information Security	3 Core	PCCO2204 (CCS1306) Information Security	3 Core	PCCO2204 (CCS1306) Information Security	3 Core	PCCO2204 (CCS1306) Information Security	3 Core
CSD1001 Introduction to Academic Composition &	5 Core	CSD1001	3 Core	CSD1001	3 Core	CSD1001	3 Core
Communication	1 Core	Introduction to Academic Composition & Comn	1 Core	Introduction to Academic Composition & Comm	1 Core	Introduction to Academic Composition & Comn	1 Core
Total credits	16	Total credits	16	Total credits	16	Total credits	16
Year 2 - Semester 1		Year 2 - Semester 1		Year 2 - Semester 1		Year 2 - Semester 1	
IMA1401 Introductory Mathematical Analysis	0 NGPA	IMA1401 Introductory Mathematical Analysis	0 NGPA	IMA1401 Introductory Mathematical Analysis	0 NGPA	IMA1401 Introductory Mathematical Analysis	0 NGPA
SCH0201 Introductory Chemistry	0 NGPA	SCH0201 Introductory Chemistry	0 NGPA	SCH0201 Introductory Chemistry	0 NGPA	SCH0201 Introductory Chemistry	0 NGPA
SEC0301 Introduction to Principles of Economics	3 Core	SEC0301 Introduction to Principles of Economics	3 Core	SEC0301 Introduction to Principles of Economics	3 Core	SEC0301 Introduction to Principles of Economics	3 Core
PCCO2300 Data Structures and Algorithms	3 Core	PCCO2300 Data Structures and Algorithms	3 Core	PCCO2300 Data Structures and Algorithms	3 Core	PCCO2300 Data Structures and Algorithms	3 Core
PCCO2301 Business Analysis and Software Design	3 Core	PCCO2301 Business Analysis and Software Design	3 Core	PCCO2301 Business Analysis and Software Design	3 Core	PCCO2301 Business Analysis and Software Design	3 Core
PCCO2302 Cloud Computing Fundamentals	3 Core	PCCO2302 Cloud Computing Fundamentals	3 Core	PCCO2302 Cloud Computing Fundamentals	3 Core	PCCO2302 Cloud Computing Fundamentals	3 Core
Notes: IMA1401, SCH0201 has been given IC/SC options to drop,	keep or to be recorded as	Notes: IMA1401, SCH0201 has been given IC/SC options to drop, ke	eep or to be recorded as	Notes: IMA1401, SCH0201 has been given IC/SC options to drop, keep	or to be recorded as	Notes: IMA1401, SCH0201 has been given IC/SC options to drop, kee	ep or to be recorded as
audited Total credits	12	audited Total credits	12	audited Total credits	12	audited Total credits	12
Total credits	12	lotal credits	12	lotal credits	12	lotal credits	12
Year 2 - Semester 2		Year 2 - Semester 2		Year 2 - Semester 2		Year 2 - Semester 2	
CCS2303 Operating Systems and Platforms	3 Core	CCS2303 Operating Systems and Platforms	3 Core	CCS2303 Operating Systems and Platforms	3 Core	CCS2303 Operating Systems and Platforms	3 Core
CCS2311 Human Factors in Computer Systems	3 Core	CCS2311 Human Factors in Computer Systems	3 Core	CCS2311 Human Factors in Computer Systems	3 Core	CCS2311 Human Factors in Computer Systems	3 Core
SMA2306 Probability & Statistics	3 Core	SMA2306 Probability & Statistics	3 Core	SMA2306 Probability & Statistics	3 Core	SMA2306 Probability & Statistics	3 Core
CCS2360 Technology Challenge Competition 1	3 Core	CCS2360 Technology Challenge Competition 1	3 Core	CCS2360 Technology Challenge Competition 1	3 Core	CCS2360 Technology Challenge Competition 1	3 Core
SMA2301 Linear Algebra	3 Core	SMA2301 Linear Algebra	3 Core	SMA2301 Linear Algebra	3 Core	SMA2301 Linear Algebra	3 Core
CCS2313 Project Management	3 Core	CCS2313 Project Management	3 Core	CCS2313 Project Management	3 Core	CCS2313 Project Management	3 Core
Total credits	18	Total credits	18	Total credits	18	Total credits	18
Year 3 — Semester 1 (5 Core units + at least one Elective)		Year 3 — Semester 1 (5 Core units + at least one Elective)		Year 3 — Semester 1 (5 Core units + at least one Elective)		Year 3 — Semester 1 (5 Core units + at least one Elective)	
SMA2307 Discrete Mathematics	3 Core	SMA2307 Discrete Mathematics	3 Core	SMA2307 Discrete Mathematics	3 Core	SMA2307 Discrete Mathematics	3 Core
CCS3310 Software Engineering Methods	3 Core	CCS3307 Data Warehousing	3 Core	CCS3304 Cyber Security Domains and Tools	3 Core	CCS3307 Data Warehousing	3 Core
CCS3311 Software Quality Assurance	3 Core	CCS4322 Cloud Security and Privacy	3 Core	CCS3305 Cyber Law, Regulations and Policies	3 Core	CCS3356 Natural Language Processing	3 Core
CCS3300 Software Architecture	3 Core	CCS3308 Virtualization and Containers	3 Core	CCS4330 Network Security	3 Core	CCS3308 Virtualization and Containers	3 Core
CCS3360 Technology Challenge Competition 2	3 Core	CCS3360 Technology Challenge Competition 2	3 Core	CCS3360 Technology Challenge Competition 2	3 Core	CCS3360 Technology Challenge Competition 2	3 Core
CCS3307 Data Warehousing CCS3356 Natural Language Processing	3 Elective	CCS3356 Natural Language Processing	3 Elective	CCS3307 Data Warehousing CCS3356 Natural Language Processing	3 Elective	CCS3310 Software Engineering Methods	3 Elective
CCS3356 Natural Language Processing CCS3308 Virtualization and Containers	3 Elective 3 Elective	CCS3310 Software Engineering Methods CCS3311 Software Quality Assurance	3 Elective 3 Elective	CCS3356 Natural Language Processing CCS3308 Virtualization and Containers	3 Elective 3 Elective	CCS3311 Software Quality Assurance CCS3300 Software Architecture	3 Elective 3 Elective
CCS3308 Virtualization and Containers CCS4322 Cloud Security and Privacy	3 Elective 3 Elective	CCS3311 Software Quality Assurance CCS3300 Software Architecture	3 Elective 3 Elective	CCS3308 Virtualization and Containers CCS3310 Software Engineering Methods	3 Elective 3 Elective	CCS3300 Software Architecture CCS4322 Cloud Security and Privacy	3 Elective 3 Elective
CCS3304 Cyber Security Domains and Tools	3 Elective	CCS3300 Software Architecture CCS3304 Cyber Security Domains and Tools	3 Elective	CCS3311 Software Engineering Methods CCS3311 Software Quality Assurance	3 Elective	CCS3304 Cyber Security Domains and Tools	3 Elective
CCS3304 Cyber Security Domains and Tools CCS3305 Cyber Law, Regulations and Policies	3 Elective	CCS3304 Cyber Security Domains and Tools CCS3305 Cyber Law, Regulations and Policies	3 Elective	CCS3301 Software Quality Assurance CCS3300 Software Architecture	3 Elective	CCS3305 Cyber Law, Regulations and Policies	3 Elective
CCS4330 Network Security	3 Elective	CCS4330 Network Security	3 Elective	CCS4322 Cloud Security and Privacy	3 Elective	CCS4330 Network Security	3 Elective
CCS1310 Professional Practice	3 Elective	CCS1310 Professional Practice	3 Elective	CCS1310 Professional Practice	3 Elective	CCS1310 Professional Practice	3 Elective
CCS1311 Mathematics for Computing (with Programmir	4 Elective	CCS1311 Mathematics for Computing (with Programming	4 Elective	CCS1311 Mathematics for Computing (with Programming	4 Elective	CCS1311 Mathematics for Computing (with Programming	4 Elective
CCS1307 Entrepreneurship & Start-up Culture	3 Elective	CCS1307 Entrepreneurship & Start-up Culture	3 Elective	CCS1307 Entrepreneurship & Start-up Culture	3 Elective	CCS1307 Entrepreneurship & Start-up Culture	3 Elective
	3 Elective	CCS2310 Programming with Vectors and Matrices	3 Elective	CCS2310 Programming with Vectors and Matrices	3 Elective	CCS2310 Programming with Vectors and Matrices	3 Elective
CCS2310 Programming with Vectors and Matrices	18	Total credits	18	Total credits	18	Total credits	18
Total credits							
Total credits		v 2 6 · 2		Year 3 — Semester 2		Year 3 — Semester 2	
Total credits Year 3 — Semester 2	2 Core	Year 3 — Semester 2	3 Core		2 Coro	CCC2202 Introduction to December 44-44-4-	2 C
Total credits Year 3 — Semester 2 CCS3302 Introduction to Research Methods	3 Core	CCS3302 Introduction to Research Methods	3 Core	CCS3302 Introduction to Research Methods	3 Core	CCS3302 Introduction to Research Methods	3 Core
Total credits Year 3 — Semester 2 CCS3302 Introduction to Research Methods CCS3440 Artificial Intelligence	4 Core	CCS3302 Introduction to Research Methods CCS3440 Artificial Intelligence	4 Core	CCS3302 Introduction to Research Methods CCS3440 Artificial Intelligence	4 Core	CCS3440 Artificial Intelligence	4 Core
Total credits Year 3 — Semester 2 CCS3402 Introduction to Research Methods CCS3404 Artificial Intelligence CCS3413 Advanced Software Design	4 Core 3 Core	CCS3302 Introduction to Research Methods CCS3440 Artificial Intelligence CCS3312 Cloud Application Development	4 Core 3 Core	CC53302 Introduction to Research Methods CC53440 Artificial Intelligence CC53317 Advanced Cryptography	4 Core 3 Core	CCS3440 Artificial Intelligence CCS3309 Big Data	4 Core 3 Core
Total credits Year 3 — Semester 2 CCS3302 Introduction to Research Methods CCS3404 Artificial Intelligence CCS3313 Advanced Software Design CCS3351 Mobile Application Development	4 Core 3 Core 3 Core	CCS3302 Introduction to Research Methods CCS3440 Artificial Intelligence CCS3312 Cloud Application Development CCS3316 Cloud Infrastructure Design	4 Core 3 Core 3 Core	CCS3302 Introduction to Research Methods CCS3440 Artificial Intelligence CCS3317 Advanced Cryptography CCS3318 Digital Forensics	4 Core 3 Core 3 Core	CCS3440 Artificial Intelligence CCS3309 Big Data CCS3342 Business Intelligence (Business Analytics)	4 Core 3 Core 3 Core
Total credits Year 3 — Semester 2 CCS3302 Introduction to Research Methods CCS3440 Artificial Intelligence CCS3313 Advanced Software Design CCS3351 Mobile Application Development CCS3301 Capstone Project-Part 1	4 Core 3 Core 3 Core 3 Core	CCS3302 Introduction to Research Methods CCS3440 Artificial Intelligence CCS3312 Cloud Application Development CCS3316 Cloud Infrastructure Design CCS3301 Capstone Project-Part 1	4 Core 3 Core 3 Core 3 Core	CCS3302 Introduction to Research Methods CCS3440 Artificial Intelligence CCS3317 Advanced Cryptography CCS3318 Digital Forensics CCS3301 Capstone Project-Part 1	4 Core 3 Core 3 Core 3 Core	CCS340 Artificial Intelligence CCS3309 Big Data CCS3342 Business Intelligence (Business Analytics) CCS3301 Capstone Project-Part 1	4 Core 3 Core 3 Core 3 Core
Total credits Year 3 — Semester 2 CCS3302 Introduction to Research Methods CCS3404 Artificial Intelligence CCS3313 Advanced Software Design CCS3351 Mobile Application Development CCS3300 Big Data	4 Core 3 Core 3 Core 3 Core 3 Core	CCS3302 Introduction to Research Methods CCS3440 Artificial Intelligence CCS3312 Cloud Application Development CCS3316 Cloud Infrastructure Design CCS3301 Capstone Project-Part 1 CCS3309 Big Data	4 Core 3 Core 3 Core	CCS3302 Introduction to Research Methods CCS3440 Artificial Intelligence CCS3317 Advanced Cryptography CCS3318 Digital Forensics CCS3301 Capstone Project-Part 1 CCS3309 Big Data	4 Core 3 Core 3 Core	CCS3440 Artificial intelligence CCS3309 Big Data CCS3342 Business Intelligence (Business Analytics) CCS3310 Capstone Project-Part 1 CCS3313 Advanced Software Design	4 Core 3 Core 3 Core
Total credits Year 3 — Semester 2 CCS3302 Introduction to Research Methods CCS3410 Artificial Intelligence CCS3313 Advanced Software Design CCS3351 Mobile Application Development CCS3301 Capstone Project-Part 1 CCS3309 Big Data CCS3342 Business Intelligence (Business Analytics)	4 Core 3 Core 3 Core 3 Core	CCS3302 Introduction to Research Methods CCS3440 Artificial Intelligence CCS3312 Cloud Application Development CCS3316 Cloud Infrastructure Design CCS3301 Capstone Project-Part 1 CCS3309 Big Data	4 Core 3 Core 3 Core 3 Core 3 Elective	CCS3302 Introduction to Research Methods CCS3440 Artificial Intelligence CCS3317 Advanced Cryptography CCS3318 Digital Forensics CCS3301 Capstone Project-Part 1 CCS3309 Big Data	4 Core 3 Core 3 Core 3 Core 3 Core 3 Elective	CCS3400 Artificial Intelligence CCS3300 Big Data CCS3342 Business Intelligence (Business Analytics) CCS3301 Capstone Project-Part 1 CCS3301 Advanced Software Design CCS3351 Mobile Application Development	4 Core 3 Core 3 Core 3 Core 3 Elective
Total credits Year 3 — Semester 2 CCS3302 Introduction to Research Methods CCS3404 Artificial Intelligence CCS3313 Advanced Software Design CCS3351 Mobile Application Development CCS3300 Big Data	4 Core 3 Core 3 Core 3 Core 3 Core 3 Elective 3 Elective	CCS3402 Introduction to Research Methods CCS3440 Artificial Intelligence CCS33112 Cloud Application Development CCS3316 Cloud Infrastructure Design CCS3300 Capstone Project-Part 1 CCS3309 Big Data CCS3342 Business Intelligence (Business Analytics)	4 Core 3 Core 3 Core 3 Core 3 Elective 3 Elective	CCS3402 Introduction to Research Methods CCS3440 Artificial Intelligence CCS3317 Advanced Cryptography CCS3318 Digital Forensics CCS3300 Capstone Project-Part 1 CCS3309 Big Data CCS3342 Business Intelligence (Business Analytics)	4 Core 3 Core 3 Core 3 Core 3 Core 3 Elective 3 Elective	CCS3400 Artificial Intelligence CCS3300 Big Data CCS3342 Business Intelligence (Business Analytics) CCS3301 Capstone Project-Part 1 CCS3301 Advanced Software Design CCS3351 Mobile Application Development	4 Core 3 Core 3 Core 3 Core 3 Electiv 3 Electiv

CC3317 Advanced Cryptography 3 Betche CC3318 Collar Forenists 3 Core CC54300 Adultine Learning CC54300 Adulti								
Total credits 19	CCS3317 Advanced Cryptography	3 Elective	CCS3317 Advanced Cryptography	3 Elective	CCS3312 Cloud Application Development	3 Elective	CCS3317 Advanced Cryptography	3 Elective
Vear 4 - Semester 1 (4 Core units - at least 2 Electives)	CCS3318 Digital Forensics	3 Elective	CCS3318 Digital Forensics	3 Elective	CCS3316 Cloud Infrastructure Design	3 Elective	CCS3318 Digital Forensics	3 Elective
CCS440	Total credits	19						
IMM301 Human Behavior and Ethics 3 Core IMM302 Human Behavior and Ethics 3 Core IMM303 Immorphis 3 Dector 3 Core 3 Dector 3 Decto	Year 4 — Semester 1 (4 Core units + at least 2 Electives)		Year 4 — Semester 1 (4 Core units + at least 2 Electives)		Year 4 — Semester 1 (4 Core units + at least 2 Electives)		Year 4 — Semester 1 (4 Core units + at least 2 Electives)	
CCS4901 Capstone Project-Part 2 3 Core CCS4901 Capstone Project-Part 2 CCS4901 Ca	CCS4340 Machine Learning	3 Core						
SMA205 Numerical Analysis 3 Core SMA205 Numerical Analysis 3 Core SMA205 Numerical Analysis 3 Core SMA205 S	IHM1301 Human Behavior and Ethics	3 Core	IHM1301 Human Behavior and Ethics	3 Core	IHM1301 Human Behavior and Ethics	3 Core	IHM1301 Human Behavior and Ethics	3 Core
CCS3414 SOA and Microservices 3 Elective CCS3414 SOA and Microservices 3 Elective CCS3416 SOA and Microservices 3 Elective CCS3410 Deep Learning 3 Elective CCS4310 Elective CCS4311 Functional Programming 3 Elective CCS4311 Functional Programming 3 Elective CCS4311 Functional Programming 3 Elective CCS4311 Functional Programming Selective CCS43	CCS4301 Capstone Project-Part 2	3 Core						
CCS4310 Deep Learning 3 Elective CCS4310 Ethical Hacking 3 Elective CCS4351 Ethical Hacking 3 Elective CCS4352 Application Security 3 Elective CCS4353 Ethical Hacking CCS4354 Ethical Hacking CCS4353 Ethical Hacking CCS4354 Ethical Hacking CCS4354 Application Security 3 Elective CCS4353 Ethical Hacking CCS4354 Application Security 3 Elective CCS4354 Ethical Hacking CCS4355 Ethical Hacking CCS4354 Ethical Hacking CCS4354 Ethical Hacking CCS4354 Ethical Hacking CCS4355 Ethical Hacking Talling CCS4355 Ethical Hacking Talling CCS4355 Ethical Hacking Talling Tall	SMA2305 Numerical Analysis	3 Core						
CC54350 Ethical Hacking 3 Elective CC54350 Ethical Hacking 3 Elective CC54351 Functional Programming 3 Elective CC54352 Application Security 3 Elective CC54353 Application Security 3 Elective CC54354 Tensors and Graphs (with programming) 3 Elective CC54354 Tensors and Graphs (with programming) 3 Elective CC54355 Cyber Terrorism and Information Warface 3 Elective CC54355 (but Elligent Threat Management 3 Elective CC54356 Intelligent Threat Management 3 Elective CC54356 (but Elligent Threat Management 3 Elective CC54356 Intelligent Threat Management 3 Elective CC54356 (but Acidan and Applications 4 Elective CC54356 (but Acidan and Application	CCS3341 SOA and Microservices	3 Elective						
CCS4351 Functional Programming 3 Elective CCS4351 Functional Programming 3 Elective CCS4352 Application Security 3 Elective CCS4353 Internet of Things 3 Elective CCS4353 Internet of Things 3 Elective CCS4353 Internet of Things 3 Elective CCS4354 Tensors and Graphs (with programming) 3 Elective CCS4354 Tensors and Graphs (with programming) 3 Elective CCS4355 Cyber Terrorism and Information Warface CCS4355 Cyber Terrorism and Information Warface 3 Elective CCS4355 Cyber Terrorism and Information Warface CCS4355 Cyber Terrorism and Information Warface 3 Elective CCS4355 Cyber Terrorism and Information Warface CCS4355 Cyber Terrorism and Information Warface 3 Elective CCS4356 Intelligent Threat Management 3 Elective CCS4356 Intelligent Threat	CCS4310 Deep Learning	3 Elective						
CCS4352 Application Security 3 Elective CCS4352 Application Security 3 Elective CCS4353 Internet of Things 3 Elective CCS4353 Internet of Things 3 Elective CCS4354 Tensors and Graphs (with programming) 3 Elective CCS4354 Tensors and Graphs (with programming) 3 Elective CCS4354 Tensors and Graphs (with programming) 3 Elective CCS4355 Cyber Terrorism and Information Warface 3 Elective CCS4355 Cyber Terrorism and Information Warface 3 Elective CCS4355 Cyber Terrorism and Information Warface 3 Elective CCS4355 Intelligent Threat Management 3 Elective CCS4356 Intelligent Threat Management 3 Elective CCS4357 Block chain and Applications 3 Elective CCS4357 Block chain and Applications 3 Elective CCS4356 Intelligent Threat Management 3 Elective CCS4357 Block chain and Applications 3 Elective CCS4356 Intelligent Threat Man	CCS4350 Ethical Hacking	3 Elective						
CCS4353 Internet of Things	CCS4351 Functional Programming	3 Elective						
CCS4354 Tensors and Graphs (with programming) 3 Elective CCS4355 Cyber Terrorism and Information Warface 3 Elective CCS4356 Intelligent Threat Management 3 Elective CCS4366 Intelligent Threat Management 3 Elective CCS4366 Intelligent Threat Management CCS4366 Intelligent Threat Management 3 Elective CCS4366 Intelligent Threat Management 3 Elective CCS4366 Intelligent Threat Ma	CCS4352 Application Security	3 Elective						
CCS4355 Cyber Terrorism and Information Warface 3 Elective CCS4355 Intelligent Threat Management 3 Elective CCS4356 Techniques in Social Media CCS4360 Techniques in Social Media 3 Elective CCS4360 Techniques in Social Media CCS4360 Techniques in Social Media 3 Elective CCS4360 Techniques in Social Media CCS4360 Techniques in Social Media 3 Elective CCS4360 Techniques in Social Media CCS4360 Techniques in Social Media 3 Elective CCS4360 Techniques in Social Media CCS4360 Techniques in Social Media 3 Elective CCS4360 Techniques in Social Media CCS4360 Techniques in Social Media 3 Elective CCS4360 Techniques in Social Media CCS4360 Techniques in Social Media 3 Elective CCS4360 Techniques in Social Media CCS4360 Techniques in Social Media 3 Elective CCS4360 Techniques in Social Media 3 Elective CCS4360 Techniques in Social Media 3 Elective CCS4360 Techniques in Social Media CCS4360 Techniques in Social Media 3 Elective CCS4360 Techniques in Social Media 3 Elective CCS4360 Techniques in Social Media CCS4360 Techniques in Social Media 3 Elective	CCS4353 Internet of Things	3 Elective	CCS4353 Internet of Things	3 Elective	CCS4353 Internet of Things	3 Elective	CCS4353 Internet of Things	3 Elective
CCS4356 Intelligent Threat Management 3 Elective CCS4357 Block chain and Applications CCS4357 Block chain and Applications 3 Elective CCS4357 Block chain and Applications CCS4350 Techniques in Social Media 3 Elective CCS4350 Techniques in Social Media 4 Techniques in	CCS4354 Tensors and Graphs (with programming)	3 Elective	CCS4354 Tensors and Graphs (with programming)	3 Elective	CCS4354 Tensors and Graphs (with programming)	3 Elective	CCS4354 Tensors and Graphs (with programming)	3 Elective
CCS4357 Block chain and Applications 3 Elective CCS4357 Block chain and Applications 3 Elective CCS4360 Techniques in Social Media 3 Elective CCS4360 Techniques in Social Media 3 Elective CCS4361 Immersive Technology Development 3 Elective CCS4362 Service Integration and Management 3 Elective CCS4363 Supercomputing and Quantum Computing Total credits 18 Total credits	CCS4355 Cyber Terrorism and Information Warface	3 Elective	CCS4355 Cyber Terrorism and Information Warface	3 Elective	CCS4355 Cyber Terrorism and Information Warface	3 Elective	CCS4355 Cyber Terrorism and Information Warface	3 Elective
CCS4360 Techniques in Social Media 3 Elective CCS4360 Techniques in Social Media 3 Elective CCS4361 Immersive Technology Development 3 Elective CCS4362 Service Integration and Management 3 Elective CCS4363 Supercomputing and Quantum Computing 18 Total credits	CCS4356 Intelligent Threat Management	3 Elective						
CCS4361 Immersive Technology Development 3 Elective CCS4361 Immersive Technology Development 3 Elective CCS4362 Service Integration and Management 3 Elective CCS4362 Service Integration and Management 3 Elective CCS4363 Service Integration and Management CCS4363 Supercomputing and Quantum Computing 3 Elective CCS43	CCS4357 Block chain and Applications	3 Elective	CCS4357 Block chain and Applications	3 Elective	CCS4357 Block chain and Applications	3 Elective	CCS4357 Block chain and Applications	3 Elective
CCS4362 Service Integration and Management 3 Elective CCS4362 Service Integration and Management 3 Elective CCS4363 Supercomputing and Quantum Computing 18 Total Credits 6 Total Credits 6 Total Credits 6 Total Credits 120 Duration: 4 years, Total Credits: 120 Duratio	CCS4360 Techniques in Social Media	3 Elective	CCS4360 Techniques in Social Media	3 Elective	CCS4360 Techniques in Social Media	3 Elective	CCS4360 Techniques in Social Media	3 Elective
CCS4363 Supercomputing and Quantum Computing 3 Elective CCS4363 Supercomputing and Quantum Computing 18 Total credits 18 Total	CCS4361 Immersive Technology Development	3 Elective						
Year 4 - Semester 2 Year 5 mester 2 Year 5	CCS4362 Service Integration and Management	3 Elective	CCS4362 Service Integration and Management	3 Elective	CCS4362 Service Integration and Management	3 Elective	CCS4362 Service Integration and Management	3 Elective
Year 4 - Semester 2 CC54601 Industrial Training 6 Core CC54601 Industrial Training 7 Cotal Credits 7 Cotal Credi	CCS4363 Supercomputing and Quantum Computing	3 Elective	CCS4363 Supercomputing and Quantum Computing	3 Elective	CCS4363 Supercomputing and Quantum Computing	3 Elective	CCS4363 Supercomputing and Quantum Computing	3 Elective
CCS4601 Industrial Training 6 Core CCS4601 Industrial Training Total credits: 6 Total credits: 6 Total credits: 6 Total credits: 6 Total credits: 120 Duration: 4 years, Total Credits:	Total credits	18						
Total credits 6 Total credits 6 Total credits 6 Total credits 6 Total credits Duration: 4 years, Total Credits: 120 Duration: 4 years, Total Cred	Year 4 - Semester 2							
Duration: 4 years, Total Credits: 120 Duration: 4 years, Total Credits	CCS4601 Industrial Training	6 Core						
	Total credits	6						
GPA credits 114 GPA credits 114 GPA credits 114 GPA credits 114 GPA credits	Duration: 4 years, Total Credits:	120						
	GPA credits	114						