

B.Tech Specialization (2023-2027) Batch

B.Tech in Artificial Intelligence & Machine Language																			
Sl. No	Course Code	Name of the Course	Type of Subject	Sem						Assessment Pattern									
					L	T	P	SL	C	Hours	Quiz-1	CAT-1	Quiz-2	CAT-2	Lab IA	Lab Exam	Course based Project	Total CIE Marks	SEE
1		Computer Vision	Int	IV	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
2		Natural Language Processing	Int	V	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
3		Human Computer Interaction	Th	VI	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100
4		AI & Robotics	Int	VI	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
5		SPL(MOOC-I)	Th	VII	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100

B.Tech CSE in Artificial Intelligence & Machine Language																			
Sl. No	Course Code	Name of the Course	Type of Subject	Sem						Assessment Pattern									
					L	T	P	SL	C	Hours	Quiz-1	CAT-1	Quiz-2	CAT-2	Lab IA	Lab Exam	Course based Project	Total CIE Marks	SEE
1		Computer Vision	Int	IV	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
2		Natural Language Processing	Int	V	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
3		Human Computer Interaction	Th	VI	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100
5		AI & Robotics	Int	VI	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
4		SPL(MOOC-I)	Th	VII	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100

B.Tech CSE in Artificial Intelligence																			
Sl. No	Course Code	Name of the Course	Type of Subject	Sem						Assessment Pattern									
					L	T	P	SL	C	Hours	Quiz-1	CAT-1	Quiz-2	CAT-2	Lab IA	Lab Exam	Course based Project	Total CIE Marks	SEE
1		Computer Vision	Int	IV	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
2		Natural Language Processing	Int	V	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100

3		Cognitive Science and Analytics	Th	VI	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100
4		AI & Robotics	Int	VI	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
5		SPL(MOOC-I)	Th	VII	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100

B.Tech in Artificial Intelligence & Data Science

Sl. No	Course Code	Name of the Course	Type of Subject	Sem	Assessment Pattern														
					L	T	P	SL	C	Hours	Quiz-1	CAT-1	Quiz-2	CAT-2	Lab IA	Lab Exam	Course based Project	Total CIE Marks	SEE
1		Computer Vision	Int	IV	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
2		Data Exploration and Visualization	Int	V	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
3		Cognitive Science and Analytics	Th	VI	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100
4		AI & Robotics	Int	VI	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
5		SPL(MOOC-I)	Th	VII	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100

B.Tech CSE in Data Science

Sl. No	Course Code	Name of the Course	Type of Subject	Sem	Assessment Pattern														
					L	T	P	SL	C	Hours	Quiz-1	CAT-1	Quiz-2	CAT-2	Lab IA	Lab Exam	Course based Project	Total CIE Marks	SEE
1		Data Analytics	Int	IV	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
2		Data Exploration and Visualization	Int	V	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
3		Cognitive Science and Analytics	Th	VI	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100
4		Big Data Management	Int	VI	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
5		SPL(MOOC-I)	Th	VII	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100

B.Tech CSE in Data Analytics

Sl. No	Course Code	Name of the Course	Type of Subject	Sem	Assessment Pattern														
					L	T	P	SL	C	Hours	Quiz-1	CAT-1	Quiz-2	CAT-2	Lab IA	Lab Exam	Course based Project	Total CIE Marks	SEE
1		Data Analytics	Int	IV	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100

2		Data Exploration and Visualization	Int	V	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
3		Cognitive Science and Analytics	Th	VI	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100
4		Big Data Management	Int	VI	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
5		SPL(MOOC-I)	Th	VII	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100

B.Tech CSE in Business Analytics and Optimization

Sl. No	Course Code	Name of the Course	Type of Subject	Sem	Assessment Pattern														
					L	T	P	SL	C	Hours	Quiz-1	CAT-1	Quiz-2	CAT-2	Lab IA	Lab Exam	Course based Project	Total CIE Marks	SEE
1		Data Analytics	Int	IV	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
2		Data Exploration and Visualization	Int	V	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
3		Business Intelligence	Th	VI	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100
4		Big Data Management	Int	VI	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
5		SPL(MOOC-I)	Th	VII	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100

B.Tech CSE in Cloud Computing & Virtualiation

Sl. No	Course Code	Name of the Course	Type of Subject	Sem	Assessment Pattern														
					L	T	P	SL	C	Hours	Quiz-1	CAT-1	Quiz-2	CAT-2	Lab IA	Lab Exam	Course based Project	Total CIE Marks	SEE
1		Cloud Organisation & Architecture	Int	IV	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
2		Cloud Deployment Model	Int	V	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
3		Cloud Storage and Security	Th	VI	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100
4		Cloud Management and Tuning	Int	VI	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
5		SPL(MOOC-I)	Th	VII	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100

B.Tech CSE in Gaming Technology

					Assessment Pattern														
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Sl. No	Course Code	Name of the Course	Type of Subject	Sem							Assessment Pattern						Course based Project	Total CIE Marks	SEE
					L	T	P	SL	C	Hours	Quiz-1	CAT-1	Quiz-2	CAT-2	Lab IA	Lab Exam			
1		Graphics and Animation Tools	Th	IV	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100
2		Javascript using OOJS	Int	V	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
3		Unity in C#	Int	VI	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
4		Introduction to 3D and Modelling	Th	VI	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100
5		Game Production	Int	VII	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100

B.Tech CSE in Full stack Development

Sl. No	Course Code	Name of the Course	Type of Subject	Sem							Assessment Pattern						Course based Project	Total CIE Marks	SEE
					L	T	P	SL	C	Hours	Quiz-1	CAT-1	Quiz-2	CAT-2	Lab IA	Lab Exam			
1		Frontend Development (Vue.js, JS & ReactJS)	Int	IV	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
2		Backend Development	Int	V	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
3		DevOps & Deployment	Th	VI	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100
4		Mobile App Development (React Native)	Int	VI	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
5		SPL(MOOC-I)	Th	VII	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100

B.Tech CSE in (IOT+CS+BT)

Sl. No	Course Code	Name of the Course	Type of Subject	Sem							Assessment Pattern						Course based Project	Total CIE Marks	SEE
					L	T	P	SL	C	Hours	Quiz-1	CAT-1	Quiz-2	CAT-2	Lab IA	Lab Exam			
1		Computer Forensics	Int	IV	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
2		Bitcoin and Crypto Currencies	Int	V	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
3		Cyber Law and Cyber Security Policies	Th	VI	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100
4		Privacy and Security in IoT	Int	VI	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
5		SPL(MOOC-I)	Th	VII	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100

B.Tech CSE in Cyber Security

Sl. No	Course Code	Name of the Course	Type of Subject	Sem	Assessment Pattern														
					L	T	P	SL	C	Hours	Quiz-1	CAT-1	Quiz-2	CAT-2	Lab IA	Lab Exam	Course based Project	Total CIE Marks	SEE
1		Computer Forensics	Int	IV	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
2		Intrusion Detection and Prevention	Int	V	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
3		Cyber Law and Cyber Security Policies	Th	VI	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100
4		Quantum Cryptography	Int	VI	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
5		SPL(MOOC-I)	Th	VII	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100

B.Tech CSE in Cyber Security & Digital Forensics

Sl. No	Course Code	Name of the Course	Type of Subject	Sem	Assessment Pattern														
					L	T	P	SL	C	Hours	Quiz-1	CAT-1	Quiz-2	CAT-2	Lab IA	Lab Exam	Course based Project	Total CIE Marks	SEE
1		Computer Forensics	Int	IV	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
2		Intrusion Detection and Prevention	Int	V	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
3		Cyber Law and Cyber Security Policies	Th	VI	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100
4		Quantum Cryptography	Int	VI	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
5		SPL(MOOC-I)	Th	VII	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100

B.Tech CSE in Computer Network & Cyber Security

Sl. No	Course Code	Name of the Course	Type of Subject	Sem	Assessment Pattern														
					L	T	P	SL	C	Hours	Quiz-1	CAT-1	Quiz-2	CAT-2	Lab IA	Lab Exam	Course based Project	Total CIE Marks	SEE
1		Computer Forensics	Int	IV	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
2		Network Security	Int	V	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
3		Wireless Sensor Network	Th	VI	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100
4		Quantum Cryptography	Int	VI	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
5		SPL(MOOC-I)	Th	VII	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100

B.Tech in App development using the Swift programming language

Sl. No	Course Code	Name of the Course	Type of Subject	Sem								Assessment Pattern							
					L	T	P	SL	C	Hours	Quiz-1	CAT-1	Quiz-2	CAT-2	Lab IA	Lab Exam	Course based Project	Total CIE Marks	SEE
1		Foundation of App Development (iOS) & Swift	Int	IV	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
2		Develop in Swift Fundamentals	Th	V	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100
3		Develop in Swift Explorations and AP@ CS Principles	Int	VI	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
4		Develop in Swift Data Collections	Int	VI	3	0	1	0	4	5	0	30	0	30	20	20	0	100	100
5		SPL(MOOC-I)	Th	VII	3	0	0	0	3	3	20	30	20	30	0	0	0	100	100