			B.Tech- Computer Science & Engineering: 2018				
Sem	Category	Course Code	<u> </u>	L	Т	Р	Credits
1	Perspective	PSP1002	Joy of Engineering	1	0		2
1	Skill	SKL1001	Communication and Presentation Skills	2	0		3
1	Foundation	ECE1005	Basic Electrical and Electronics Practice	2	0	2	3
1	Foundation	CSE1004	Computing Fundamentals & C	3	0	2	4
1	Foundation	CHE1001	Chemistry	2	0	2	3
1	Foundation	MTH1703	Mathematics-I	3	1	0	4
1	Foundation	PHY1003	Physics-1	2	1	2	4
			Semester Total				23
Sem	Category	Course Code	Course Title	L	T	Р	Credits
2	Perspective	PSP1707	World Civilizations	2	0	0	2
2	Skill	SKL1004	Writing Skills	2	0	2	3
2	Foundation	CSE2009	Data Structures	3	0	2	4
2	Foundation	PSP1001	Environmental Studies	3	0	0	3
2	Foundation	MTH1702	Mathematics-II	3	1	0	4
2	Foundation	PHY1004	Physics-II	2	1	2	4
2	Foundation	MEC1003	Workshop Practice	1	0	4	3
			Semester Total				23
	Category	Course Code		L	T	Ρ	Credits
ST1	Internship	PS 121	Practice School -I				1
			Semester Total				1
Sem	Category	Course Code		L	T		Credits
3	Skill	SKL1002	Etiquette and Conversational Skills		0		2
3	Core	CSE2010	Object Oriented Programming		0	2	4
3	Foundation	MTH2702	Mathematics-III	3	1	0	4
3	Foundation	MEC1004	Engineering Drawing & Computer Aided Graphics	1	0	4	3
3	Core	CSE2709	Computer Organization and Architecture	3	0	2	4
3	Core	CSE2708	Discrete Mathematics	3	0	0	3
3	Core	CSE2008	Fundamentals of Digital Logic	2	1	2	4
			Semester Total				24
Sem	Category	Course Code		L		Ρ	Credits
4	Core	CSE2011	Data Base Management Systems		0		4
4	Foundation	MEC1002	Emerging Material Science and Applications	3	0		3
4	Core	CSE3002	Computer Networks	2	0		3
4	Core	CSE2012	Design and Analysis of Algorithms	3	0	2	4
4	Core	CSE3012	Operating Systems	2	0	2	3
4	Core	CSE3008	Artificial Intelligence	3	0	2	4
4	Core	ECE2704	Microprocessor Based System Design	2	1	0	3
			Semester Total				24
	Category	Course Code		L	T	Ρ	Credits
ST2	Internship	PS221	Practice School -II				6
			Semester Total				6
	Category	Course Code		L		Ρ	Credits
5	Perspective	PSP3701	Understanding Business		0		2
5	Core	CSE3014	Mobile Architecture and programming		0		4
5	Core	CSE3010	Software Engineering		0		4
5	Core	CSE3016	Machine Learning and Data Mining		0		4
5	Core	CSE3703	Cryptography	3	0		3
5	Core	CSE3013	Internet of things	3	0		4
					_	2	4
5	Core	CSE3701	Distributed Systems	3	O	-	
		CSE3701	Distributed Systems Semester Total				25
Sem	Category	CSE3701 Course Code	Distributed Systems Semester Total Course Title	L	Т	Р	Credits
<b>Sem</b> 6	Category Perspective	CSE3701  Course Code PSP2705	Distributed Systems Semester Total Course Title Critical Reasoning & Systems Thinking	<b>L</b>	<b>T</b>	<b>P</b>	Credits 2
<b>Sem</b> 6 6	Category Perspective Perspective	CSE3701  Course Code PSP2705 PSP2701	Distributed Systems  Semester Total  Course Title  Critical Reasoning & Systems Thinking  Emerging Life Science	<b>L</b> 2	<b>T</b> 0	<b>P</b> 0	Credits 2 2
<b>Sem</b> 6 6	Category Perspective Perspective Core	Course Code PSP2705 PSP2701 CSE3710	Distributed Systems  Semester Total  Course Title  Critical Reasoning & Systems Thinking  Emerging Life Science  System Modelling and Simulation	<b>L</b> 2 2 3	T 0 0	<b>P</b> 0 0 0	Credits 2 2 4
<b>Sem</b> 6 6 6	Category Perspective Perspective Core Core Elective	Course Code PSP2705 PSP2701 CSE3710 CSE4001	Distributed Systems  Semester Total  Course Title  Critical Reasoning & Systems Thinking  Emerging Life Science  System Modelling and Simulation  Security Attacks & Defenses	<b>L</b> 2 3 3	T 0 0 1	<b>P</b> 0 0 0 0	2 2 4 3
<b>Sem</b> 6 6 6 6	Category Perspective Perspective Core Core Elective Core Elective	CSE3701  Course Code PSP2705 PSP2701 CSE3710 CSE4001 CSE2707	Distributed Systems  Semester Total  Course Title  Critical Reasoning & Systems Thinking  Emerging Life Science  System Modelling and Simulation  Security Attacks & Defenses  NLP and Text Analytics	<b>L</b> 2 3 3 3	T 0 0 1 0	<b>P</b> 0 0 0 0 0	2 2 4 3 3 3
<b>Sem</b> 6 6 6 6	Category Perspective Perspective Core Core Elective Core Elective Core Elective	CSE3701  Course Code PSP2705 PSP2701 CSE3710 CSE4001 CSE2707 CSC3001	Distributed Systems  Semester Total  Course Title  Critical Reasoning & Systems Thinking  Emerging Life Science  System Modelling and Simulation  Security Attacks & Defenses  NLP and Text Analytics  Big Data Analytics	<b>L</b> 2 3 3 3 3	T 0 0 1 0 0	<b>P</b> 0 0 0 0 0 0	2 2 4 3 3 3 3 3
Sem 6 6 6 6 6 6	Category Perspective Perspective Core Core Elective Core Elective Core Elective Core Elective	CSE3701  Course Code PSP2705 PSP2701 CSE3710 CSE4001 CSE2707 CSC3001 CSE3711	Distributed Systems  Semester Total  Course Title  Critical Reasoning & Systems Thinking  Emerging Life Science  System Modelling and Simulation  Security Attacks & Defenses  NLP and Text Analytics  Big Data Analytics  Neural Networks: From Theory to Practice	L 2 2 3 3 3 3 3	T 0 0 1 0 0 0	<b>P</b> 0000000	2 2 4 3 3 3 3 3 3
Sem 6 6 6 6 6 6	Category Perspective Perspective Core Core Elective Core Elective Core Elective Core Elective Core Elective	CSE3701  Course Code PSP2705 PSP2701 CSE3710 CSE4001 CSE2707 CSC3001 CSE3711 CSE3001	Distributed Systems  Semester Total  Course Title  Critical Reasoning & Systems Thinking  Emerging Life Science  System Modelling and Simulation  Security Attacks & Defenses  NLP and Text Analytics  Big Data Analytics  Neural Networks: From Theory to Practice  Cloud Computing	L 2 2 3 3 3 3 3 3	T 0 0 1 0 0	<b>P</b> 00000000	2 2 4 3 3 3 3 3 3 3 3
Sem 6 6 6 6 6 6 6	Category Perspective Perspective Core Core Elective	CSE3701  Course Code PSP2705 PSP2701 CSE3710 CSE4001 CSE2707 CSC3001 CSE3711 CSE3001 CSE4006	Distributed Systems  Semester Total  Course Title  Critical Reasoning & Systems Thinking  Emerging Life Science  System Modelling and Simulation  Security Attacks & Defenses  NLP and Text Analytics  Big Data Analytics  Neural Networks: From Theory to Practice  Cloud Computing  Blockchain	L 2 2 3 3 3 3 3 3 3	T 0 0 1 0 0 0	<b>P</b> 0 0 0 0 0 0 0	2 2 4 3 3 3 3 3 3 3 3 3
Sem 6 6 6 6 6 6	Category Perspective Perspective Core Core Elective Core Elective Core Elective Core Elective Core Elective	CSE3701  Course Code PSP2705 PSP2701 CSE3710 CSE4001 CSE2707 CSC3001 CSE3711 CSE3001 CSE4006 CHE4706	Distributed Systems  Semester Total  Course Title  Critical Reasoning & Systems Thinking  Emerging Life Science  System Modelling and Simulation  Security Attacks & Defenses  NLP and Text Analytics  Big Data Analytics  Neural Networks: From Theory to Practice  Cloud Computing	L 2 2 3 3 3 3 3 3 3 3	T 0 0 1 0 0 0 0 0 0	<b>P</b> 00000000000	2 2 4 3 3 3 3 3 3 3 3

6	Open Elective	CHE3701	Energy Storage Systems - From Conventional To The Future	3	0	0	3
6	Open Elective	PSP3703	Introduction to Economics	3	0	0	3
6	Open Elective	MTH3701	Introduction to Fractals	3	0	0	3
6	Open Elective	SKL4701	Modern and Contemporary Writing	3	0	0	3
6	Open Elective	PHY4706	Quantum Matter & Technologies	3	0	0	3
			Semester Total				20
Sem	Category	Course Code	Course Title	L	Т	Ρ	Credits
7	Skill		Selling, Negotiating, and Persuading Skills		0	0	2
7	Perspective		Contemporary Challenges: Societal & Political		0	0	2
7	Perspective		Good Citizenry	2	0	0	2
7	Perspective		Innovation & Entrepreneurship	2	0	0	2
7	Core Elective			3	0	0	3
7	Core Elective			3	0	0	3
7	Open Elective			3	0	0	3
			Semester Total				17
Sem	Category	Course Code	Course Title	L	T	Р	Credits
8	Internship		Practice School-III				18
			Semester Total				18
			Program Total				181

## B.Tech. - Computer Science [CSC]: 2019

Sem	Category	Sub-Category	Course Code	Course Title	Credits
1	Co-Curricular				1
1	Perspective	School	PSP1003	Joy of Engineering	2
1	Skill	School	SKL1704	Communication Skills	1
1	Skill	School	SKL1706	Technical Report Writing	2
1	Foundation	School	MTH1704	Calculus for Engineers	2
1	Foundation	School	MTH1705	Ordinary Differential Equations	2
1	Foundation	School	CHE1701	Engineering Chemistry	1
1	Foundation	School	PHY1701	Physics for Engineers	2
1	Foundation	School	ECE1704	Basic Electrical Engineering	2
1	Foundation	School	CSE1702	Computer Programming	2
1	Foundation	School	CSE1703	Fundamentals of Data Science	2
1	Foundation	School	CSE1501	Programming Lab	1
1	Foundation	School	CSE1502	Data Science Lab	1
				Semester Total	21
Sem	Category	Sub-Category	Course Code	Course Title	Credits
2	Co-Curricular				1
2	Perspective	School	PSP1710	Engineering Ethics	2
2	Perspective	School	PSP1711	Environmental Studies	2
2	Skill	School	SKL1707	Coding Skills	2
2	Foundation	School	MEC1006	Engineering Graphics	2
2	Foundation	School	ECE1008	Introduction to Sensors and IoT	2
2	Foundation	School	CHE1702	Electrochemistry and Energy Storage	1
2	Foundation	School	MEC1709	Automation and Industry 4.0	1
2	Foundation	Department Specific	CSE1704	Fundamentals of Digital Logic	2
2	Foundation	Department Specific	MTH1706	Linear Algebra	2
2	Foundation	Department Specific	CSE1705	Discrete Mathematics	2
2	Core	Lab	CSE1005	Advanced Programming Lab	1
2	Core	Lab	CSE1006	FDL and IoT Lab	1
				Semester Total	21
ST1	Practice School			Practice School -I	Audit

C	Cataman	Cub Cataman	Carrea Cada	Course Title	Cuadita
Sem	Category	Sub-Category	Course Code	Course Title	Credits
3	Co-Curricular		01/1 070 /	F:: .: 10 .: 10!!!	1
3	Skill	School	SKL2701	Etiquettes and Conversational Skills	2
3	Perspective	School	PSP2705	Critical Reasoning and Design Thinking	2
3	Foundation	Department Specific	MTH2705	Probability and Statistics	2
3	Foundation	Department Specific	CSE2711	Data Structures and Algorithms	3
3	Foundation	Department Specific	CSE2013	Data Structures and Algorithms Lab	1
3	Core	Classroom	CSE2710	Object Oriented Programming	2
3	Core	Classroom	CSE2712	Computer Networks	2
3	Core	Classroom	CSE2713	Computer Organization and Architecture	2
3	Core	Classroom	CSE2714	Database Management Systems	3
3	Core	Lab	CSE2014	Object Oriented Programming Lab	1
3	Core	Lab	CSE2015	Computer Networks Lab	1
				Semester Total	22
Sem	Category	Sub-Category	Course Code	Course Title	Credits
4	Co-Curricular				1
4	Perspective	School	PSP2706	Global Energy: Politics, Markets and Policy	1
4	Perspective	School	PSP2707	Innovation and Entrepreneurship	1
4	Skill	Student Specific	SKL2702	Resume Writing and Career Skills	1
4	Skill	Student Specific	SKL2703	Selling, Negotiating and Persuading Skills	
4	Skill	Student Specific	SKL2704	Theatre Studies	1
4	Skill	Student Specific	SKL2705	Cross Cultural Communication Skills	
4	Foundation	Department Specific	CSE2715	Python Programming	3
4	Foundation	Department Specific	CSE2716	Web Programming	1
4	Core	Classroom	CSE2717	Operating Systems	2
4	Core	Classroom	CSE2718	Data Analytics	2
4	Core	Classroom	CSE2719	Design and Analysis of Algorithms	3
4	Core	Classroom	CSE2720	Image Processing	2
4	Core	Classroom	CSE2721	Theory of Computation	2
4	Core	Lab	CSE2016	Design and Analysis of Algorithms Lab	1
4	Core	Lab	CSE2017	Image Processing Lab	1

				Semester Total	22
ST2	Practice School			Practice School -II	4
Sem	Category	Sub-Category	Course Code	Course Title	Credits
5	Co-Curricular				1
5	Perspective	Student Specific	PSP3701	Understanding Bussiness	2
			PSP3706	Principles of Management	
			PSP3707	Living Literature and Arts	
5	Core	Classroom	CSE3704	Software Engineering	2
5	Core	Classroom	CSE3705	Artificial Intelligence	3
5	Core	Classroom	CSE3706	Fundamentals of Machine Learning	2
5	Core	Classroom	CSE3707	Information Retrieval	3
5	Core	Classroom	CSE3708	Internet of Things	2
5	Core	Classroom	CSE3709	Mobile Application Development	2
5	Core	Lab	CSE3017	Internet of Things Lab	1
5	Core	Lab	CSE3018	Fundamentals of Machine Learning Lab	1
5	Core	Studios			2
				Semester Total	21
Sem	Category	Sub-Category	Course Code	Course Title	Credits
6	Perspective	Student Specific	PSP3708	Intellectual property rights	1
			PSP3709	International Human Rights	
			PSP3711	Right to Information Act.	
6	Core Elective	Classroom	CSE3001	Cloud Computing	3
			CSE4006	Blockchain	
			CSE4706	Cyber Security tools and Cyber Attacks	
			CSC3001	Big Data Analytics	
			CSE4003	Deep Learning	
			CSE2707	Natural Language Processing and Text Analysis	
			CSE4707	Advance Data science	
6	Core Elective	Major Project	PRJ4001	Major Project	2
6	Core Elective	Classroom	PHY3701	Excel: Novice to Competent-	3
			SKL3703	Corporate Communication-	

			CVL4708	Remote Sensing and Geographic Information Systems-	
			MTH3702	mathematical Modelling of Infectious Diseases as an open elective	
			PSP3710	Managing Technology & Innovation-	
			CHE3701	Conventional to the Future 2020	
				Semester Total	15
Sem	Category	Sub-Category	Course Code	Course Title	Credits
7	Core Elective	Classroom			3
7	Core Elective	Classroom			3
7	Core Elective	Major Project			3
7	Open Elective	Classroom / Lab			3
7	Open Elective	Classroom / Lab			3
				Semester Total	15
Sem	Category	Sub-Category	Course Code	Course Title	Credits
8	Practice School			Practice School-III	14
				Semester Total	14
				Program Total	155

Sem	Category	Sub Category	Minor Program	Credit
VI & VII	Minor Program	Minor Program	1. Minor in Nanotechnology	15
			2. Minor in Energy Harvesting and Storage	15
			3. Minor in Computational Mathematics	15

		B.Tech- Computer Science & Engineering: 2020	
Sem	Course Code	Course Title	Credits
1	CHE1701	Engineering Chemistry	1
1	SKL1704	Communication Skills	1
1	PSP1710	Engineering Ethics	2
1	PHY1701	Physics for Engineers	2
1	CSE1703	Fundamentals of Data Science	2
1	CSE1502	Data Science Lab	1
1	MTH1704	Calculus for Engineers	2
1	PSP1711	Environmental Studies	2
1	SKL1706	Technical Report Writing	2
1	CSE1702	Computer Programming	2
1	CSE1501	Programming Lab	1
			18
Sem	Course Code	Course Title	Credits
2		Co-Curricular	2
2	MEC1006	Engineering Graphics	2
2	CSE1704	Fundamentals of Digital Logic	2
2	CSE1006	Fundamentals of Digital Logic Lab	1
2	SKL1707	Coding Skills	2
2	MTH1705	Ordinary Differential Equations	2
2	ECE1704	Basic Electrical Engineering	2
2	CHE1702	Electrochemistry and Energy Storage	1
2	CSE1005	Advanced Programming Lab	1
2	PSP1003	Joy of Engineering	2
2	MEC1709	Automation and Industry 4.0	1
2	ECE1008	Introduction to Sensors and IoT	2
2	MTH1706	Linear Algebra	2
2	CSE1705	Discrete Mathematics	2
			24
Sem	Course Code	Course Title	Credits
3	SKL2701	Etiquettes and Conversational Skills	2
3	MTH2705	Probability and Statistics	2
3	CSE2711	Data Structures and Algorithms	3
3	CSE2710	Object Oriented Programming	2
3	CSE2712	Computer Networks	2
3	CSE2713	Computer Organization and Architecture	2
3	CSE2714	Database Management Systems	3
3	CSE2013	Data Structures and Algorithms Lab	1
3	CSE2014	Object Oriented Programming Lab	1
3	CSE2015	Computer Networks Lab	1
3	PSP2705	Critical Reasoning and Design Thinking	2
			21

Sem	Course Code	Course	Credits
4		Co-Curricular	2
4	PSP2707	Innovation and Entrepreneurship	1
4		Student specific Skill (Opt only one)	2
4	SKL2706	Cross Cultural Communication Skills	
4	SKL2707	Resume Writing and Career Skills	
4	SKL2709	Theatre Studies	
4	CSE2716	Web Programming	1
4	CSE2717	Operating Systems	2
4	CSE2722	Microprocessors based System Design	2
4	CSE2719	Design and Analysis of Algorithms	3
4	CSE2723	Mobile Computing	2
4	CSE2724	Human Computer Interaction	2
4	CSE2018	Assembly Language Programming Lab	1
4	CSE2715	Python Programming	3
4	CSE2016	Design and Analysis of Algorithms Lab	1
4	PSP2706	Global Energy: Politics, Markets and Policy	1
			23
	ST2	Practice School	4
Sem	Category	Sub-Category	Credits
5	Co-Curricular		1
5	Perspective	Student Specific	2
5	Core	Classroom	2
5	Core	Classroom	3
5	Core	Classroom	2
5	Core	Classroom	3
5	Core	Classroom	2
5	Core	Classroom	2
5	Core	Lab	1
5	Core	Lab	1
5	Core	Seminar / Case Studies	2
		Semester Total	21
Sem	Category	Sub-Category	Credits
6	Perspective	Student Specific	1
6	Core Elective	Classroom	3
6	Core Elective	Classroom	3
6	Core Elective	Classroom	3
6	Core Elective	Major Project	2
6	Core Elective	Classroom	3
		Semester Total	15
Sem	Category	Sub-Category	Credits
7	Core Elective	Classroom	3
7	Core Elective	Classroom	3

7	Core Elective	Major Project	3
7	Open Elective	Classroom / Lab	3
7	Open Elective	Classroom / Lab	3
		Semester Total	15
Sem	Category	Sub-Category	Credits
8	Practice School	Practice School-III	14
		Semester Total	14
		Program Total	155
Sem	Category	Sub Category	Credit
VI	Minor Program	Minor Program	
VII	Minor Program	Minor Program	15

		B.Tech Co	mputer Science & Engineering [CSE]: 2021		
Sem	Category	Sub-Category	Course Title	Credits	L-D-P
1	Co-Curricular			1	1-0-0
1	Perspective	School	Joy of Engineering – I	3	2-0-2
1	Skill	School	Communication Skills	1	1-0-0
1		School	Engineering Ethics	1	1-0-0
1	Foundation	School	Basic Electrical and Electronics Engineering	3	2-0-2
1		School	Mathematics for Engineers – I	2	2-0-0
		School	Engineering Chemistry	1	1-0-0
		School	Physics for Engineers	2	2-0-0
1		Program Specific	Fundamentals of Data Science	3	2-0-2
1		Program Specific	Object Oriented Programming using C++	4	2-0-4
			Semester Total	21	
Sem	Category	Sub-Category	Course Title	Credits	L-D-P
2	Co-Curricular			1	1-0-0
2	Perspective	School	Joy of Engineering – II	3	1-0-4
2		School	Environmental Studies	2	2-0-0
2	Skill	School	Technical Report Writing	2	2-0-0
2	Foundation	School	Mathematics for Engineers – II	3	2-0-2
2	Foundation	Program Specific	Fundamentals of Digital Logic	3	2-0-2
2		Program Specific	Data Structures and Algorithms	3	2-0-2
2		Program Specific	Database Management Systems	3	2-0-2
	Core	Classroom	Applied Data Science	2	1-0-2
			Semester Total	22	
ST1	Practice School		Practice School –I	Audit	
	_				
Sem	Category	Sub-Category	Course Title	Credits	L-D-P
3	Co-Curricular			1	1-0-0
3	Co-Curricular Skill	School	Etiquettes and Conversational Skills	1 2	1-0-0 2-0-0
3 3	Co-Curricular	School Program Specific	Etiquettes and Conversational Skills Software Engineering	1 2 2	1-0-0 2-0-0 1-0-2
3 3 3	Co-Curricular Skill Foundation	School Program Specific Program Specific	Etiquettes and Conversational Skills Software Engineering Design and Analysis of Algorithms	1 2 2 3	1-0-0 2-0-0 1-0-2 2-0-2
3 3 3 3	Co-Curricular Skill	School Program Specific Program Specific Classroom	Etiquettes and Conversational Skills Software Engineering Design and Analysis of Algorithms Java Programming	1 2 2 3 3	1-0-0 2-0-0 1-0-2 2-0-2 2-0-2
3 3 3 3 3	Co-Curricular Skill Foundation	School Program Specific Program Specific Classroom Classroom	Etiquettes and Conversational Skills Software Engineering Design and Analysis of Algorithms Java Programming Web Programming	1 2 2 3 3 3 2	1-0-0 2-0-0 1-0-2 2-0-2 2-0-2 1-0-2
3 3 3 3 3	Co-Curricular Skill Foundation	School Program Specific Program Specific Classroom Classroom Classroom	Etiquettes and Conversational Skills Software Engineering Design and Analysis of Algorithms Java Programming Web Programming Computer Organization & Architecture	1 2 2 3 3 2 3	1-0-0 2-0-0 1-0-2 2-0-2 2-0-2 1-0-2 01-02-2000
3 3 3 3 3	Co-Curricular Skill Foundation	School Program Specific Program Specific Classroom Classroom Classroom Classroom	Etiquettes and Conversational Skills Software Engineering Design and Analysis of Algorithms Java Programming Web Programming Computer Organization & Architecture Operating Systems	1 2 2 3 3 3 2 3 3 3	1-0-0 2-0-0 1-0-2 2-0-2 2-0-2 1-0-2 01-02-2000 2-0-2
3 3 3 3 3 3 3	Co-Curricular Skill Foundation  Core	School Program Specific Program Specific Classroom Classroom Classroom	Etiquettes and Conversational Skills Software Engineering Design and Analysis of Algorithms Java Programming Web Programming Computer Organization & Architecture Operating Systems IoT Sensors, Peripherals and Processors	1 2 2 3 3 3 2 2 3 3 2	1-0-0 2-0-0 1-0-2 2-0-2 2-0-2 1-0-2 01-02-2000
3 3 3 3 3	Co-Curricular Skill Foundation	School Program Specific Program Specific Classroom Classroom Classroom Classroom	Etiquettes and Conversational Skills Software Engineering Design and Analysis of Algorithms Java Programming Web Programming Computer Organization & Architecture Operating Systems IoT Sensors, Peripherals and Processors Project I	1 2 2 3 3 2 3 3 2 1	1-0-0 2-0-0 1-0-2 2-0-2 2-0-2 1-0-2 01-02-2000 2-0-2
3 3 3 3 3 3 3	Co-Curricular Skill Foundation  Core	School Program Specific Program Specific Classroom Classroom Classroom Classroom Classroom	Etiquettes and Conversational Skills Software Engineering Design and Analysis of Algorithms Java Programming Web Programming Computer Organization & Architecture Operating Systems IoT Sensors, Peripherals and Processors Project I Semester Total	1 2 2 3 3 2 3 3 2 1 22	1-0-0 2-0-0 1-0-2 2-0-2 2-0-2 1-0-2 01-02-2000 2-0-2 1-0-2
3 3 3 3 3 3 3 3	Co-Curricular Skill Foundation  Core  Core	School Program Specific Program Specific Classroom Classroom Classroom Classroom	Etiquettes and Conversational Skills Software Engineering Design and Analysis of Algorithms Java Programming Web Programming Computer Organization & Architecture Operating Systems IoT Sensors, Peripherals and Processors Project I	1 2 2 3 3 2 3 3 2 1	1-0-0 2-0-0 1-0-2 2-0-2 2-0-2 1-0-2 01-02-2000 2-0-2 1-0-2
3 3 3 3 3 3 3 3 5 <b>Sem</b> 4	Co-Curricular Skill Foundation  Core  Core  Core  Category Co-Curricular	School Program Specific Program Specific Classroom Classroom Classroom Classroom Classroom Classroom Sub-Category	Etiquettes and Conversational Skills Software Engineering Design and Analysis of Algorithms Java Programming Web Programming Computer Organization & Architecture Operating Systems IoT Sensors, Peripherals and Processors Project I Semester Total Course Title	1 2 2 3 3 2 3 2 1 22 Credits 1	1-0-0 2-0-0 1-0-2 2-0-2 2-0-2 1-0-2 01-02-2000 2-0-2 1-0-2  L-D-P 1-0-0
3 3 3 3 3 3 3 3 <b>Sem</b> 4	Co-Curricular Skill Foundation  Core  Core	School Program Specific Program Specific Classroom Classroom Classroom Classroom Classroom Sub-Category School	Etiquettes and Conversational Skills Software Engineering Design and Analysis of Algorithms Java Programming Web Programming Computer Organization & Architecture Operating Systems IoT Sensors, Peripherals and Processors Project I Semester Total Course Title Global Energy: Politics, Markets and Policy	1 2 2 3 3 3 2 1 22 Credits 1	1-0-0 2-0-0 1-0-2 2-0-2 2-0-2 1-0-2 01-02-2000 2-0-2 1-0-2
3 3 3 3 3 3 3 3 <b>Sem</b> 4 4	Co-Curricular Skill Foundation  Core  Core  Category Co-Curricular Perspective	School Program Specific Program Specific Classroom Classroom Classroom Classroom Classroom Sub-Category School School	Etiquettes and Conversational Skills Software Engineering Design and Analysis of Algorithms Java Programming Web Programming Computer Organization & Architecture Operating Systems IoT Sensors, Peripherals and Processors Project I Semester Total Course Title  Global Energy: Politics, Markets and Policy Innovation and Entrepreneurship	1 2 2 3 3 3 2 1 22 Credits 1 1 1	1-0-0 2-0-0 1-0-2 2-0-2 2-0-2 1-0-2 01-02-2000 2-0-2 1-0-2  L-D-P 1-0-0 1-0-0
3 3 3 3 3 3 3 3 5 8 4 4 4 4	Co-Curricular Skill Foundation  Core  Core  Category Co-Curricular Perspective  Foundation	School Program Specific Program Specific Classroom Classroom Classroom Classroom Classroom Sub-Category School School Program Specific	Etiquettes and Conversational Skills Software Engineering Design and Analysis of Algorithms Java Programming Web Programming Computer Organization & Architecture Operating Systems IoT Sensors, Peripherals and Processors Project I Semester Total Course Title Global Energy: Politics, Markets and Policy Innovation and Entrepreneurship Machine Learning	1 2 2 3 3 3 2 1 22 Credits 1 1 1 3	1-0-0 2-0-0 1-0-2 2-0-2 2-0-2 1-0-2 01-02-2000 2-0-2 1-0-2  L-D-P 1-0-0 1-0-0 1-0-0 2-0-2
3 3 3 3 3 3 3 3 <b>Sem</b> 4 4 4 4	Co-Curricular Skill Foundation  Core  Core  Category Co-Curricular Perspective	School Program Specific Program Specific Classroom Classroom Classroom Classroom Classroom Sub-Category School School Program Specific Classroom	Etiquettes and Conversational Skills Software Engineering Design and Analysis of Algorithms Java Programming Web Programming Computer Organization & Architecture Operating Systems IoT Sensors, Peripherals and Processors Project I Semester Total Course Title  Global Energy: Politics, Markets and Policy Innovation and Entrepreneurship Machine Learning Artificial Intelligence	1 2 2 3 3 3 2 1 22 Credits 1 1 1 3 3 3 3	1-0-0 2-0-0 1-0-2 2-0-2 2-0-2 1-0-2 01-02-2000 2-0-2 1-0-2  L-D-P 1-0-0 1-0-0 2-0-2 3-0-0
3 3 3 3 3 3 3 3 3 4 4 4 4 4 4	Co-Curricular Skill Foundation  Core  Core  Category Co-Curricular Perspective  Foundation	School Program Specific Program Specific Classroom Classroom Classroom Classroom Classroom Sub-Category School School Program Specific Classroom Classroom	Etiquettes and Conversational Skills Software Engineering Design and Analysis of Algorithms Java Programming Web Programming Computer Organization & Architecture Operating Systems IoT Sensors, Peripherals and Processors Project I Semester Total Course Title  Global Energy: Politics, Markets and Policy Innovation and Entrepreneurship Machine Learning Artificial Intelligence Data Communications & Computer Networks	1 2 2 3 3 3 2 1 22 Credits 1 1 1 3 3 3 3 3 3	1-0-0 2-0-0 1-0-2 2-0-2 2-0-2 1-0-2 01-02-2000 2-0-2 1-0-2  L-D-P 1-0-0 1-0-0 1-0-0 2-0-2 3-0-0 2-0-2
3 3 3 3 3 3 3 3 3 5 8 4 4 4 4 4 4 4 4	Co-Curricular Skill Foundation  Core  Core  Category Co-Curricular Perspective  Foundation	School Program Specific Program Specific Classroom Classroom Classroom Classroom Classroom Sub-Category School School Program Specific Classroom Classroom Classroom	Etiquettes and Conversational Skills Software Engineering Design and Analysis of Algorithms Java Programming Web Programming Computer Organization & Architecture Operating Systems IoT Sensors, Peripherals and Processors Project I Semester Total Course Title  Global Energy: Politics, Markets and Policy Innovation and Entrepreneurship Machine Learning Artificial Intelligence Data Communications & Computer Networks Mobile Application Development	1 2 2 3 3 3 2 1 22 Credits 1 1 1 3 3 3 3 2 2	1-0-0 2-0-0 1-0-2 2-0-2 2-0-2 1-0-2 01-02-2000 2-0-2 1-0-2  L-D-P 1-0-0 1-0-0 1-0-0 2-0-2 3-0-0 2-0-2 2-0-2 2-0-0
3 3 3 3 3 3 3 3 3 5 8 4 4 4 4 4 4 4 4 4	Co-Curricular Skill Foundation  Core  Core  Category Co-Curricular Perspective  Foundation	School Program Specific Program Specific Classroom Classroom Classroom Classroom Classroom  Sub-Category  School School Program Specific Classroom Classroom Classroom Classroom Classroom Classroom Classroom	Etiquettes and Conversational Skills Software Engineering Design and Analysis of Algorithms Java Programming Web Programming Computer Organization & Architecture Operating Systems IoT Sensors, Peripherals and Processors Project I Semester Total Course Title  Global Energy: Politics, Markets and Policy Innovation and Entrepreneurship Machine Learning Artificial Intelligence Data Communications & Computer Networks Mobile Application Development Human Computer Interaction	1 2 2 3 3 3 2 1 22 Credits 1 1 3 3 3 3 2 2 2 2	1-0-0 2-0-0 1-0-2 2-0-2 2-0-2 1-0-2 01-02-2000 2-0-2 1-0-2  L-D-P 1-0-0 1-0-0 2-0-2 3-0-0 2-0-2 2-0-0 2-0-0
3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4	Co-Curricular Skill Foundation  Core  Core  Category Co-Curricular Perspective  Foundation Core	School Program Specific Program Specific Classroom Classroom Classroom Classroom Classroom Sub-Category School School Program Specific Classroom Classroom Classroom	Etiquettes and Conversational Skills Software Engineering Design and Analysis of Algorithms Java Programming Web Programming Computer Organization & Architecture Operating Systems IoT Sensors, Peripherals and Processors Project I Semester Total Course Title  Global Energy: Politics, Markets and Policy Innovation and Entrepreneurship Machine Learning Artificial Intelligence Data Communications & Computer Networks Mobile Application Development Human Computer Interaction Network Security	1 2 2 3 3 3 2 1 22 Credits 1 1 1 3 3 3 3 2 2 2 2 2	1-0-0 2-0-0 1-0-2 2-0-2 2-0-2 1-0-2 01-02-2000 2-0-2 1-0-2  L-D-P 1-0-0 1-0-0 1-0-0 2-0-2 3-0-0 2-0-2 2-0-2 2-0-0
3 3 3 3 3 3 3 3 3 5 8 4 4 4 4 4 4 4 4 4	Co-Curricular Skill Foundation  Core  Core  Category Co-Curricular Perspective  Foundation	School Program Specific Program Specific Classroom Classroom Classroom Classroom Classroom  Sub-Category  School School Program Specific Classroom Classroom Classroom Classroom Classroom Classroom Classroom	Etiquettes and Conversational Skills Software Engineering Design and Analysis of Algorithms Java Programming Web Programming Computer Organization & Architecture Operating Systems IoT Sensors, Peripherals and Processors Project I Semester Total Course Title  Global Energy: Politics, Markets and Policy Innovation and Entrepreneurship Machine Learning Artificial Intelligence Data Communications & Computer Networks Mobile Application Development Human Computer Interaction Network Security Project II(MAD/Web Programming/HCI/ML)	1 2 2 3 3 3 2 1 22 Credits 1 1 1 3 3 3 3 2 2 2 2 2 3 3	1-0-0 2-0-0 1-0-2 2-0-2 2-0-2 1-0-2 01-02-2000 2-0-2 1-0-2  L-D-P 1-0-0 1-0-0 2-0-2 3-0-0 2-0-2 2-0-0 2-0-0
3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4	Co-Curricular Skill Foundation  Core  Core  Category Co-Curricular Perspective  Foundation Core	School Program Specific Program Specific Classroom Classroom Classroom Classroom Classroom  Sub-Category  School School Program Specific Classroom Classroom Classroom Classroom Classroom Classroom Classroom	Etiquettes and Conversational Skills Software Engineering Design and Analysis of Algorithms Java Programming Web Programming Computer Organization & Architecture Operating Systems IoT Sensors, Peripherals and Processors Project I Semester Total Course Title  Global Energy: Politics, Markets and Policy Innovation and Entrepreneurship Machine Learning Artificial Intelligence Data Communications & Computer Networks Mobile Application Development Human Computer Interaction Network Security	1 2 2 3 3 3 2 1 22 Credits 1 1 1 3 3 3 3 2 2 2 2 2	1-0-0 2-0-0 1-0-2 2-0-2 2-0-2 1-0-2 01-02-2000 2-0-2 1-0-2  L-D-P 1-0-0 1-0-0 2-0-2 3-0-0 2-0-2 2-0-0 2-0-0

Sem	Category	Sub-Category	Course Title	Credits	L-D-P
5	Co-Curricular			1	1-0-0
5	Perspective	Student Specific		2	
5	Core	Classroom	Digital Image Processing	4	3-0-2
5	Foundation	School	Discrete Mathematics	3	01-02-2000
5		Classroom	Cryptography	3	3-0-0
5		Classroom	IoT Networks, Architectures and Applications	3	3-0-0
5	Core Elective	Classroom	Elective-I (Specialization Specific)	3	
5	Core	Seminar / Case Studies		2	
			Semester Total	21	
Sem	Category	Sub-Category	Course Title	Credits	
6	Practice School		Practice School-III	14	
			Semester Total	14	
Sem	Category	Sub-Category	Course Title	Credits	L-D-P
7	Category Perspective	Student Specific		1	
			Course Title Theory of Computation	Credits 1 3	<b>L-D-P</b> 01-02-2000
7	Perspective	Student Specific		1	
7	Perspective Core	Student Specific Classroom	Theory of Computation	1	
7 7 7	Perspective Core Core Elective	Student Specific Classroom Classroom	Theory of Computation Elective II (Specialization Specific)	1 3 3 4 3	
7 7 7 7	Perspective Core Core Elective Core	Student Specific Classroom Classroom Project-III	Theory of Computation	1 3 3 4	
7 7 7 7	Perspective Core Core Elective Core	Student Specific Classroom Classroom Project-III	Theory of Computation Elective II (Specialization Specific)	1 3 3 4 3	
7 7 7 7 7	Perspective Core Core Elective Core Open Elective	Student Specific Classroom Classroom Project-III Classroom / Lab	Theory of Computation  Elective II (Specialization Specific)  Semester Total  Course Title  Elective III (Specialization Specific)	1 3 3 4 3 14	01-02-2000
7 7 7 7 7 <b>Sem</b>	Perspective Core Core Elective Core Open Elective  Category	Student Specific Classroom Classroom Project-III Classroom / Lab Sub-Category	Theory of Computation Elective II (Specialization Specific)  Semester Total Course Title	1 3 3 4 3 14 Credits	01-02-2000
7 7 7 7 7 <b>Sem</b> 8 8	Perspective Core Core Elective Core Open Elective  Category Core Elective  Core	Student Specific Classroom Classroom Project-III Classroom / Lab  Sub-Category Classroom Classroom Project IV	Theory of Computation  Elective II (Specialization Specific)  Semester Total  Course Title  Elective III (Specialization Specific)	1 3 3 4 3 14 Credits 3 3	01-02-2000
7 7 7 7 7 7 <b>Sem</b> 8	Perspective Core Core Elective Core Open Elective  Category Core Elective	Student Specific Classroom Classroom Project-III Classroom / Lab  Sub-Category Classroom Classroom	Theory of Computation  Elective II (Specialization Specific)  Semester Total  Course Title  Elective III (Specialization Specific)	1 3 3 4 3 14 Credits 3 3 3	01-02-2000
7 7 7 7 7 <b>Sem</b> 8 8	Perspective Core Core Elective Core Open Elective  Category Core Elective  Core	Student Specific Classroom Classroom Project-III Classroom / Lab  Sub-Category Classroom Classroom Project IV	Theory of Computation  Elective II (Specialization Specific)  Semester Total  Course Title  Elective III (Specialization Specific)	1 3 3 4 3 14 Credits 3 3	01-02-2000
7 7 7 7 7 <b>Sem</b> 8 8 8	Perspective Core Core Elective Core Open Elective  Category Core Elective  Core	Student Specific Classroom Classroom Project-III Classroom / Lab  Sub-Category Classroom Classroom Project IV Classroom / Lab	Theory of Computation  Elective II (Specialization Specific)  Semester Total  Course Title  Elective III (Specialization Specific)	1 3 3 4 3 14 Credits 3 3 4 4 3	01-02-2000