Course Code	Course Name	Credits	Tag	Grade	e Credit/Audit
CS 218	Design and Analysis of Algorithms	6.0	Core course	BB	C
CS 224	Computer Networks	6.0	Core course	AB	C
CS 228	Logic for Computer Science	6.0	Core course	BB	C
CS 230	Digital Logic Design and Computer Architecture	6.0	Core course	AB	C
CS 232	Digital Logic Design and Computer Architecture Lab	4.0	Core course	AA	C
CS 252	Computer Networks Lab	3.0	Core course	AB	C
CS 763	Computer Vision	6.0	Additional Learning	AB	C
CS 765	Introduction to Blockchains, Cryptocurrencies and Smart Contracts	6.0	Additional Learning	AB	C
IE 616	Decision Analysis and Game Theory	6.0	Additional Learning	BB	С
Year/Semester: 2022-23/Autumn					
Course Code	Course Name	Credits	Tag	Grade	e Credit/Audit
CS 207	Discrete Structures	6.0	Core course	BC	C
CS 213	Data Structures and Algorithms	6.0	Core course	BC	C
CS 215	Data Analysis and Interpretation	6.0	Core course	BB	C
	Software Systems Lab	8.0	Core course	AA	С
CS 293	Data Structures and Algorithms Lab	3.0	Core course	AA	C
EE 101 (S5)	Introduction to Electrical and Electronics Circuits	8.0	Core course	AB	С
1 7	Gender in the workplace	0.0	Core course	PP	N
	Economics	6.0	Core course	AA	С
	Optimization Models	6.0	Additional Learning	AB	C
	Teaching Assistant Skill Enhancement & Training (TASET)	0.0	Core course	PP	N Re
Year/Semester: 2023	l-22/Spring				jr.
					Probl
Course Code	Course Name	Credi		Grade	N Report Problem Credit/Audit
Course Code BB 101 (D3)	Biology	6.0	Core course	AA	C
Course Code	Biology Engineering Mechanics			AA	
Course Code BB 101 (D3)	Biology Engineering Mechanics Linear Algebra First Half	6.0	Core course	AA	C
Course Code BB 101 (D3) CE 102 (S5)	Biology Engineering Mechanics Linear Algebra	6.0 6.0 4.0	Core course Core course	AA AA	C C
Course Code BB 101 (D3) CE 102 (S5) MA 106 (D3)	Biology Engineering Mechanics Linear Algebra First Half Differential Equations	6.0 6.0 4.0	Core course Core course	AA AA BB	C C
Course Code BB 101 (D3) CE 102 (S5) MA 106 (D3) MA 108 (D3)	Biology Engineering Mechanics Linear Algebra First Half Differential Equations Second Half	6.0 6.0 4.0	Core course Core course Core course	AA AA BB AB AA	C C C
Course Code BB 101 (D3) CE 102 (S5) MA 106 (D3) MA 108 (D3) ME 119 (P14)	Biology Engineering Mechanics Linear Algebra First Half Differential Equations Second Half Engineering Graphics & Drawing	6.0 6.0 4.0 4.0 5.0	Core course Core course Core course Core course Core course	AA AA BB AB AA	C C C
Course Code BB 101 (D3) CE 102 (S5) MA 106 (D3) MA 108 (D3) ME 119 (P14) NOCS02	Biology Engineering Mechanics Linear Algebra First Half Differential Equations Second Half Engineering Graphics & Drawing NCC/NSS/NSO Basics of Electricity & Magnetism	6.0 6.0 4.0 4.0 5.0 0.0	Core course Core course Core course Core course Core course Core course	AA AA BB AB AA PP	C C C C
Course Code BB 101 (D3) CE 102 (S5) MA 106 (D3) MA 108 (D3) ME 119 (P14) NOCS02 PH 108 (D3)	Biology Engineering Mechanics Linear Algebra First Half Differential Equations Second Half Engineering Graphics & Drawing NCC/NSS/NSO Basics of Electricity & Magnetism	6.0 6.0 4.0 4.0 5.0 0.0	Core course	AA AA BB AB AA PP	C C C C
Course Code BB 101 (D3) CE 102 (S5) MA 106 (D3) MA 108 (D3) ME 119 (P14) NOCS02 PH 108 (D3) Year/Semester: 2022	Biology Engineering Mechanics Linear Algebra First Half Differential Equations Second Half Engineering Graphics & Drawing NCC/NSS/NSO Basics of Electricity & Magnetism L-22/Autumn Course Name Organic & Inorganic Chemistry	6.0 6.0 4.0 4.0 5.0 0.0 6.0	Core course	AA AA BB AB AA PP AP	C C C C N
Course Code BB 101 (D3) CE 102 (S5) MA 106 (D3) MA 108 (D3) ME 119 (P14) NOCS02 PH 108 (D3) Year/Semester: 2022	Biology Engineering Mechanics Linear Algebra First Half Differential Equations Second Half Engineering Graphics & Drawing NCC/NSS/NSO Basics of Electricity & Magnetism L-22/Autumn Course Name	6.0 6.0 4.0 4.0 5.0 0.0 6.0	Core course	AA AA BB AB AA PP AP	C C C C N C C C C N C
Course Code BB 101 (D3) CE 102 (S5) MA 106 (D3) MA 108 (D3) ME 119 (P14) NOCS02 PH 108 (D3) Year/Semester: 2022 Course Code CH 105 (D3)	Biology Engineering Mechanics Linear Algebra First Half Differential Equations Second Half Engineering Graphics & Drawing NCC/NSS/NSO Basics of Electricity & Magnetism L-22/Autumn Course Name Organic & Inorganic Chemistry First Half Physical Chemistry Second Half	6.0 6.0 4.0 4.0 5.0 0.0 6.0 Credit	Core course	AA AA BB AB AA PP AP Grade AA AA	C C C C N C C C C C C C C C C C C C C C
Course Code BB 101 (D3) CE 102 (S5) MA 106 (D3) MA 108 (D3) ME 119 (P14) NOCS02 PH 108 (D3) Year/Semester: 2022 Course Code CH 105 (D3) CH 107 (D3)	Biology Engineering Mechanics Linear Algebra First Half Differential Equations Second Half Engineering Graphics & Drawing NCC/NSS/NSO Basics of Electricity & Magnetism 1-22/Autumn Course Name Organic & Inorganic Chemistry First Half Physical Chemistry	6.0 6.0 4.0 4.0 5.0 0.0 6.0 Credit	Core course	AA AA BB AB AA PP AP Grade AA AA AA	C C C C N C C C C C C C C C C C C C C C
Course Code BB 101 (D3) CE 102 (S5) MA 106 (D3) MA 108 (D3) ME 119 (P14) NOCS02 PH 108 (D3) Year/Semester: 202: Course Code CH 105 (D3) CH 107 (D3) CS 101 (D3)	Biology Engineering Mechanics Linear Algebra First Half Differential Equations Second Half Engineering Graphics & Drawing NCC/NSS/NSO Basics of Electricity & Magnetism L-22/Autumn Course Name Organic & Inorganic Chemistry First Half Physical Chemistry Second Half Computer Programming and Utilization Calculus I	6.0 6.0 4.0 4.0 5.0 0.0 6.0 Credit 4.0 4.0	Core course	AA AA BB AB AA PP AP Grade AA AA BB	C C C C N C C C C C C C C C C C C C C C
Course Code BB 101 (D3) CE 102 (S5) MA 106 (D3) MA 108 (D3) ME 119 (P14) NOCS02 PH 108 (D3) Year/Semester: 202: Course Code CH 105 (D3) CH 107 (D3) CS 101 (D3) MA 109 (D3) MA 111 (D3)	Biology Engineering Mechanics Linear Algebra First Half Differential Equations Second Half Engineering Graphics & Drawing NCC/NSS/NSO Basics of Electricity & Magnetism -22/Autumn Course Name Organic & Inorganic Chemistry First Half Physical Chemistry Second Half Computer Programming and Utilization Calculus II First Half Calculus II	6.0 6.0 4.0 4.0 5.0 0.0 6.0 4.0 4.0 4.0 4.0	Core course	AA AA BB AB AA PP AP Grade AA AA BB AA AA	C C C C N C C C C C C C C C C C C C C C
Course Code BB 101 (D3) CE 102 (S5) MA 106 (D3) MA 108 (D3) ME 119 (P14) NOCS02 PH 108 (D3) Year/Semester: 2023 Course Code CH 105 (D3) CH 107 (D3) CS 101 (D3) MA 109 (D3)	Biology Engineering Mechanics Linear Algebra First Half Differential Equations Second Half Engineering Graphics & Drawing NCC/NSS/NSO Basics of Electricity & Magnetism 22/Autumn Course Name Organic & Inorganic Chemistry First Half Physical Chemistry Second Half Computer Programming and Utilization Calculus I First Half Calculus II Second Half	6.0 6.0 4.0 4.0 5.0 0.0 6.0 Credit 4.0 4.0 6.0	Core course	AA AA BB AA PP AP Grade AA AA BB AA PP	C C C C N C C C C C C C C C C C C C C C