SCHEME OF STUDIES
SOFTWARE ENGINEERING

Batch 2016-17

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
SPRING 2016	CT-102	Programming Languages	3	1	4
	CS-112	**Fundamentals of Information Technology**	2	1	3
	CS-102	Discrete Structures	3	1	4
	HS-102	**Pakistan Studies**	2	0	2
	MT-113	Calculus	3	1	4
	HS-108	**Pakistan Studies OR**	2	0	2
	HS-127	**Pakistan Studies (for Foreigners)**	2	0	2
FALL 2016	CT-107	Data Structure Algorithms & Applications	3	1	4
	CS-106	Computer Logic	3	1	4
	PM-101	**Project Management Concepts & Programming**	3	1	4
	SE-101	**Software Engineering**	3	1	4
	HS-109	**Islamic Studies OR**	2	0	2
	HS-208	**Ethical Behaviour**	2	0	2

* Changed title/Revised Cr. Hrs. (CS-112)

Batch 2017

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 17-18	CT-102	Programming Languages	2	1	3
	CS-112	Fundamentals of Information Technology	2	1	3
	CS-102	Discrete Structures	3	1	4
	HS-102	**Pakistan Studies**	2	0	2
	MT-113	Calculus	3	1	4
	HS-108	**Pakistan Studies OR**	2	0	2
	HS-127	**Pakistan Studies (for Foreigners)**	2	0	2
SPRING 2018	CS-107	Data Structure Algorithms & Applications	3	1	4
	CS-106	Computer Logic	3	1	4
	PM-101	**Project Management Concepts & Programming**	3	1	4
	SE-101	**Software Engineering**	3	1	4
	HS-109	**Islamic Studies OR**	2	0	2
	HS-209	Ethical Behaviour	2	0	2
	HS-210	Chinese Language-I	2	0	2

Batch 2018

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2018	CT-102	Programming Languages	2	1	3
	CS-112	Fundamentals of Information Technology	2	1	3
	CS-102	Discrete Structures	3	1	4
	HS-102	**Pakistan Studies**	2	0	2
	MT-113	Calculus	3	1	4
	HS-108	**Pakistan Studies OR**	2	0	2
	HS-127	**Pakistan Studies (for Foreigners)**	2	0	2
SPRING 2019	CS-107	Data Structure Algorithms & Applications	3	1	4
	CS-106	Computer Logic	3	1	4
	PM-101	**Project Management Concepts & Programming**	3	1	4
	SE-101	**Software Engineering**	3	1	4
	HS-109	**Islamic Studies OR**	2	0	2
	HS-209	Ethical Behaviour	2	0	2
	HS-210	Chinese Language-I	2	0	2

Batch 2019

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2019	**CT-170**	**Programming Fundamentals**	3	1	4
	CS-112	Fundamentals of Information Technology	2	1	3
	CT-102	Discrete Structures	3	1	4
	HS-102	**Pakistan Studies**	2	0	2
	MT-113	Calculus	3	1	4
	HS-108	**Pakistan Studies OR**	2	0	2
	HS-127	**Pakistan Studies (for Foreigners)**	2	0	2
SPRING 2020	SE-201	Object Oriented Concepts & Programming	3	1	4
	CT-107	Data Structures	3	1	4
	SE-203	**Software Design & Architecture**	3	1	4
	HS-111	**Business Communication Skills**	3	0	3
	HS-209	Ethical Behaviour	2	0	2
	HS-210	Chinese Language-I	2	0	2

* Changed title/Revised Cr. Hrs. (CT-170)

Batch 2020

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2020	CT-170	Programming Fundamentals	3	1	4
	CS-112	Fundamentals of Information Technology	2	1	3
	CT-102	Discrete Structures	3	1	4
	HS-102	**Pakistan Studies**	2	0	2
	MT-113	Calculus	3	1	4
	HS-108	**Pakistan Studies OR**	2	0	2
	HS-127	**Pakistan Studies (for Foreigners)**	2	0	2
SPRING 2021	SE-201	Object Oriented Concepts & Programming	3	1	4
	CT-107	Data Structures	3	1	4
	SE-203	**Software Design & Architecture**	3	1	4
	HS-111	**Business Communication Skills**	3	0	3
	HS-209	Ethical Behaviour	2	0	2
	HS-210	Chinese Language-I	2	0	2
	HS-211	Community Service	NC		

Batch 2021

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2021	CT-170	Programming Fundamentals	3	1	4
	CS-112	Fundamentals of Information Technology	2	1	3
	CT-102	Discrete Structures	3	1	4
	HS-102	**Pakistan Studies**	2	0	2
	MT-113	Calculus	3	1	4
	HS-108	**Pakistan Studies OR**	2	0	2
	HS-127	**Pakistan Studies (for Foreigners)**	2	0	2
SPRING 2022	SE-201	Object Oriented Concepts & Programming	3	1	4
	CT-107	Data Structures	3	1	4
	SE-203	**Software Design & Architecture**	3	1	4
	HS-111	**Business Communication Skills**	3	0	3
	HS-209	Ethical Behaviour	2	0	2
	HS-210	Chinese Language-I	2	0	2
	HS-211	Community Service	NC		
	HS-213	**Turkish Language-I**	**NC**		

* Changed title/Revised Cr. Hrs. (HS-210)
** Under Section 26(iv) Office Order dated:02/02/2021

Batch 2022

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2022	CT-170	Programming Fundamentals	3	1	4
	CS-112	Fundamentals of Information Technology	2	1	3
	CT-102	Discrete Structures	3	1	4
	HS-102	**Pakistan Studies**	2	0	2
	MT-113	Calculus	3	1	4
	HS-108	**Pakistan Studies OR**	2	0	2
	HS-127	**Pakistan Studies (for Foreigners)**	2	0	2
SPRING 2023	SE-201	Object Oriented Concepts & Programming	3	1	4
	CT-107	Data Structures	3	1	4
	SE-203	**Software Design & Architecture**	3	1	4
	HS-111	**Business Communication Skills**	3	0	3
	HS-209	Ethical Behaviour	2	0	2
	HS-210	Chinese Language-I	2	0	2
	HS-211	Community Service	NC		
	HS-212	**French Language-I**	**NC**		

* Changed title/Revised Cr. Hrs. (HS-210)
** Under Section 26(iv) Office Order dated:02/02/2021

Batch 2023

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2023	****SE-100**	**Programming Fundamentals**	3	1	4
	CS-112	Fundamentals of Information Technology	2	1	3
	CS-102	Discrete Structures	3	1	4
	HS-102	**Pakistan Studies**	2	0	2
	MT-113	Calculus	3	1	4
	HS-108	**Pakistan Studies OR**	2	0	2
	HS-127	**Pakistan Studies (for Foreigners)**	2	0	2
SPRING 2024	**SE-101**	**Occupational Health and Safety**	1	0	1
	SE-201	Object Oriented Concepts & Programming	3	1	4
	CT-107	Data Structures	3	1	4
	SE-203	**Software Design & Architecture**	3	1	4
	HS-111	**Business Communication Skills**	3	0	3
	****HS-115**	**Technical Reading and Writing**	3	0	3
	****HS-209**	**Islamic Studies OR**	2	0	2
	HS-209	Ethical Behaviour	2	0	2
	HS-210	Chinese Language-I	2	0	2
	HS-211	Turkish Language-I	NC		
	HS-212	French Language-I	NC		
	HS-213	Turkish Language-I	NC		
	HS-214	French Language-I	NC		

* Changed title/Revised Cr. Hrs. (SE-100)
** Under Section 26(iv) Office Order dated:02/02/2021
*** Under Section 26(iv) Office Order dated:04/01/2021

Batch 2024

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2024	SE-100	Programming Fundamentals	2	1	3
	CS-112	Fundamentals of Information Technology	2	1	3
	CS-102	Discrete Structures	3	1	4
	HS-102	**Pakistan Studies**	2	0	2
	MT-113	Calculus	3	1	4
	HS-108	**Pakistan Studies OR**	2	0	2
	HS-127	**Pakistan Studies (for Foreigners)**	2	0	2
SPRING 2025	**SE-101**	**Occupational Health and Safety**	1	0	1
	SE-201	Object Oriented Concepts & Programming	3	1	4
	CT-107	Data Structures	3	1	4
	SE-203	**Software Design & Architecture**	3	1	4
	HS-111	**Business Communication Skills**	3	0	3
	****HS-115**	**Technical Reading and Writing**	3	0	3
	****HS-209**	**Islamic Studies OR**	2	0	2
	HS-209	Ethical Behaviour	2	0	2

* Changed title/Revised Cr. Hrs. (SE-100)
** Under Section 26(iv) Office Order dated:04/01/2021
*** Under Section 26(iv) Office Order dated:04/02/2021

Batch 2025

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2025	SE-100	Programming Fundamentals	2	1	3
	CS-112	Fundamentals of Information Technology	2	1	3
	CS-102	Discrete Structures	3	1	4
	MT-113	Calculus	3	1	4
	HS-108	**Pakistan Studies OR**	2	0	2
	HS-127	**Pakistan Studies (for Foreigners)**	2	0	2
SPRING 2026	**SE-101**	**Occupational Health and Safety**	1	0	1
	SE-201	Object Oriented Concepts & Programming	3	1	4
	CT-107	Data Structures	3	1	4
	SE-203	**Software Design & Architecture**	3	1	4
	HS-111	**Business Communication Skills**	3	0	3
	****HS-115**	**Technical Reading and Writing**	3	0	3
	****HS-209**	**Islamic Studies OR**	2	0	2
	HS-209	Ethical Behaviour	2	0	2

* Changed title/Revised Cr. Hrs. (SE-100)
** Under Section 26(iv) Office Order dated:04/01/2021
*** Under Section 26(iv) Office Order dated:04/02/2021

Batch 2026

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2026	SE-100	Programming Fundamentals	2	1	3
	CS-112	Fundamentals of Information Technology	2	1	3
	CS-102	Discrete Structures	3	1	4
	MT-113	Calculus	3	1	4
	HS-108	**Pakistan Studies OR**	2	0	2
	HS-127	**Pakistan Studies (for Foreigners)**	2	0	2
SPRING 2027	**SE-101**	**Occupational Health and Safety**	1	0	1
	SE-201	Object Oriented Concepts & Programming	3	1	4
	CT-107	Data Structures	3	1	4
	SE-203	**Software Design & Architecture**	3	1	4
	HS-111	**Business Communication Skills**	3	0	3
	****HS-115**	**Technical Reading and Writing**	3	0	3
	****HS-209**	**Islamic Studies OR**	2	0	2
	HS-209	Ethical Behaviour	2	0	2

* Changed title/Revised Cr. Hrs. (SE-100)
** Under Section 26(iv) Office Order dated:04/01/2021
*** Under Section 26(iv) Office Order dated:04/02/2021

Batch 2016-17

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 17-18	CS-201	Logic Design & Switching Theory	3	1	4
	SE-202	Computer Graphics	3	1	4
	MT-215	Differential Equations & Linear Algebra	3	1	4
	SE-204	**Software Requirement Engineering**	3	1	4
	HS-208	**Business Communications & Ethics**	3	0	3
	CS-217	Chinese Language-II	2	0	2
SPRING 2018	**SE-205**	**Software Management Engineering**	3	1	4
	SE-206	Software Requirement Engineering	3	1	4
	SE-208	Database Management Systems	3	1	4
	SE-209	Web Engineering	3	1	4
	CT-208	**Financial & Cost Accounting**	3	0	3

* Changed title/Revised Cr. Hrs. (CT-208)

Batch 2017

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2018	CS-201	Logic Design & Switching Theory	3	1	4
	SE-202	Computer Graphics	3	1	4
	MT-215	Differential Equations & Linear Algebra	3	1	4
	SE-204	**Software Requirement Engineering**	3	1	4
	HS-208	Business Communications & Ethics	3	0	3
	CS-217	Chinese Language-II	2	0	2
SPRING 2019	**SE-205**	**Software Management Engineering**	3	1	4
	SE-206	Software Requirement Engineering	3	1	4
	SE-208	Database Management Systems	3	1	4
	SE-209	Web Engineering	3	1	4
	CT-208	Financial & Cost Accounting	3	0	3

Batch 2018

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2019	CS-201	Logic Design & Switching Theory	3	1	4
	SE-202	Computer Graphics	3	1	4
	MT-215	Differential Equations & Linear Algebra	3	1	4
	SE-204	**Software Requirement Engineering**	3	1	4
	HS-208	Business Communications & Ethics	3	0	3
	CS-217	Chinese Language-II	2	0	2
SPRING 2020	**SE-205**	**Software Management Engineering**	3	1	4
	SE-206	Software Requirement Engineering	3	1	4
	SE-208	Database Management Systems	3	1	4
	SE-209	Web Engineering	3	1	4
	CT-208	Financial & Cost Accounting	3	0	3

Batch 2019

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2020	MT-215	Differential Equations & Linear Algebra	3	1	4
	SE-210	**Business Communications**	3	0	3
	***CT-107**	**Data Structure Algorithms & Applications**	3	1	4
	SE-204	**Software Requirement Engineering**	3	1	4
	***CT-208**	**Financial & Cost Accounting**	3	0	3
	CS-217	Chinese Language-II	2	0	2
SPRING 2021	**SE-211**	**Software Design & Architecture**	3	1	4
	SE-206	Software Requirement Engineering	3	1	4
	SE-208	Database Management Systems	3	1	4
	SE-209	Web Engineering	3	1	4
	***MT-311**	**Probability & Statistics**	3	0	3
	HS-219	**Professional Ethics**	2	0	2

* Changed title/Revised Cr. Hrs. (SE-210)(Ext)
** Under Section 26(iv) Office Order dated:02/02/2021

Batch 2020

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2021	MT-215	Differential Equations & Linear Algebra	3	1	4
	SE-210	**Business Communications**	3	0	3
	***CT-107**	**Data Structure Algorithms & Applications**	3	1	4
	SE-204	**Software Requirement Engineering**	3	1	4
	***CT-208**	**Financial & Cost Accounting**	3	0	3
	CS-217	Chinese Language-II	2	0	2
SPRING 2022	**SE-211**	**Software Design & Architecture**	3	1	4
	SE-206	Software Requirement Engineering	3	1	4
	SE-208	Database Management Systems	3	1	4
	SE-209	Web Engineering	3	1	4
	***MT-311**	**Probability & Statistics**	3	0	3
	HS-219	**Professional Ethics**	2	0	2

* Changed title/Revised Cr. Hrs. (SE-210)(Ext)
** Under Section 26(iv) Office Order dated:02/02/2021

Batch 2021

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2022	MT-215	Differential Equations & Linear Algebra	3	1	4
	SE-210	**Business Communications**	3	0	3
	***CT-107**	**Data Structure Algorithms & Applications**	3	1	4
	SE-204	**Software Requirement Engineering**	3	1	4
	***CT-208**	**Financial & Cost Accounting**	3	0	3
	CS-217	Chinese Language-II	2	0	2
SPRING 2023	**SE-211**	**Software Design & Architecture**	3	1	4
	SE-206	Software Requirement Engineering	3	1	4
	SE-208	Database Management Systems	3	1	4
	SE-209	Web Engineering	3	1	4
	***MT-311**	**Probability & Statistics**	3	0	3
	HS-219	**Professional Ethics**	2	0	2
	HS-209	Community Service	NC		

* Changed title/Revised Cr. Hrs. (SE-210)(Ext)
** Under Section 26(iv) Office Order dated:02/02/2021

Batch 2022

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2023	MT-215	Differential Equations & Linear Algebra	3	1	4
	SE-210	**Business Communications**	3	0	3
	***CT-107**	**Data Structure Algorithms & Applications**	3	1	4
	SE-204	**Software Requirement Engineering**	3	1	4
	***CT-208**	**Financial & Cost Accounting**	3	0	3
	CS-217	Chinese Language-II	2	0	2
	****HS-215**	**Turkish Language-II**	**NC**		
	****HS-217**	**French Language-II**	**NC**		
SPRING 2024	**SE-211**	**Software Design & Architecture**	3	1	4
	SE-206	Software Requirement Engineering	3	1	4
	SE-208	Database Management Systems	3	1	4
	SE-209	Web Engineering	3	1	4
	***MT-311**	**Probability & Statistics**	3	0	3
	HS-219	**Professional Ethics**	2	0	2
	HS-209	Community Service	NC		

* Changed title/Revised Cr. Hrs. (SE-210)(Ext)
** Under Section 26(iv) Office Order dated:02/02/2021

Batch 2023

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2024	CT-107	Data Structure Algorithms & Applications	3	1	4
	SE-210	**Business Communications**	3	0	3
	SE-205	**Computer Architecture and Logic Design**	3	1	4
	***CT-208**	**Financial & Cost Accounting**	3	0	3
	HS-208	**Business Communication and Ethics**	3	0	3
	***MT-231**	**Complex Variables & Fourier Analysis**	3	1	4
	****HS-215**	**Turkish Language-II**	**NC**		
	****HS-217**	**French Language-II**	**NC**		
SPRING 2025	**SE-212**	**Software Construction & Development**	3	1	4
	SE-208	Database Management Systems	3	1	4
	SF-208	**Engineering Economics and Management**	3	0	3
	CT-301	**Design and Analysis of Algorithms**	3	1	4
	SA-205	Community Service	NC		

* Changed title/Revised Cr. Hrs. (CT-107)(Ext)
** Under Section 26(iv) Office Order dated:02/02/2021

Batch 2024

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2025	CT-107	Data Structure Algorithms & Applications	3	1	4
	SE-210	**Software Design & Architecture**	3	0	3
	SE-205	**Computer Architecture and Logic Design**	3	1	4
	***MT-231**	**Complex Variables & Fourier Analysis**	3	1	4
	SA-206	Business Communication and Ethics	3	0	3
	****HS-215**	**Turkish Language-II**	**NC**		
	****HS-217**	**French Language-II**	**NC**		
SPRING 2026	**SE-212**	**Software Construction & Development**	3	1	4
	SE-208	Database Management Systems	3	1	4
	SF-208	Engineering Economics and Management	3	0	3
	CT-301	Design and Analysis of Algorithms	3	1	4
	SA-205	Community Service	NC		

* Changed title/Revised Cr. Hrs. (CT-107)
** Under Section 26(iv) Office Order dated:02/02/2021

Batch 2025

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2026	SE-208	Software Design & Architecture	3	1	4
	SA-204	Business Communication and Ethics	3	0	3
	CT-301	Design and Analysis of Algorithms	3	1	4
	SE-209	Web Engineering	3	1	4
	SA-205	Community Service	NC		

* Changed title/Revised Cr. Hrs. (CT-301)

Batch 2026

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2027	SE-208	Software Design & Architecture	3	1	4
	SA-204	Business Communication and Ethics	3	0	3
	CT-301	Design and Analysis of Algorithms	3	1	4
	SF-208	Engineering Economics and Management	3	0	3
	SA-205	Community Service	NC		

* Changed title/Revised Cr. Hrs. (CT-301)

Batch 2016-17

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2018	SF-301	Applied Numerical Methods	3	1	4
	***MT-321**	**Probability & Statistics**	3	0	3
	***SE-305**	**Software Design & Architecture**	3	1	4
	SE-302	Human Computer Interaction	3	1	4
	SE-304	Operating Systems	3	1	4
	CS-301	Computer Communication Networks	3	1	4
SPRING 2019	CT-401	Artificial Intelligence & Expert Systems	3	1	4
	SE-306	**Software Quality Engineering**	3	1	4
	SE-310	**Software Project Management**	3	1	4
	SE-311	**E-Commerce**	3	1	4
	SE-313	**Elective I**	3	1	4

* Changed title
** Changed title/Revised Cr. Hrs. (SE-305)

Batch 2017

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2019	SF-301	Applied Numerical Methods	3	1	4
	SF-321	Probability & Statistics	3	0	3
	SE-305	Software Design & Architecture	3	1	4
	SE-302	Human Computer Interaction	3	1	4
	SE-304	Operating Systems	3	1	4
	CS-301	Computer Communication Networks	3	1	4
SPRING 2020	CT-401	Artificial Intelligence & Expert Systems	3	1	4
	SE-306	Software Quality Engineering	3	1	4
	SE-310	Software Project Management	3	1	4
	SE-311	E-Commerce	3	1	4

Batch 2018

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2020	SF-301	Applied Numerical Methods	3	1	4
	SE-305	Software Design & Architecture	3	1	4
	SE-302	Human Computer Interaction	3	1	4
	SE-304	Operating Systems	3	1	4
	CS-301	Computer Communication Networks	3	1	4
SPRING 2021	SE-306	Software Quality Engineering	3	1	4
	SE-307	Entrepreneurship	3	0	3
	SE-310	Software Project Management	3	1	4
	SE-311	E-Commerce	3	1	4

Batch 2019

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2021	SF-301	Applied Numerical Methods	3	1	4
	SE-305	Software Design & Architecture	3	1	4
	SE-302	Human Computer Interaction	3	1	4
	SE-304	Operating Systems	3	1	4
	CS-301	Computer Communication Networks	3	1	4
SPRING 2022	**SE-308**	**Formal Method in Software Engineering**	3	0	3
	CS-301	Computer Communication Networks	3	1	4
	SE-306	Software Quality Engineering	3	1	4
	SE-310	Software Project Management	3	1	4
	SE-311	E-Commerce	3	1	4
	***SE-499**	**Elective I**	3	1	4

* Changed title/Revised Cr. Hrs. (SE-499)

Batch 2020

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2022	SF-301	Applied Numerical Methods	3	1	4
	SE-305	Software Design & Architecture	3	1	4
	SE-302	Human Computer Interaction	3	1	4
	SE-304	Operating Systems	3	1	4
	SE-312	Software Construction & Development	3	1	4
	SE-308	Formal Method in Software Engineering	3	0	3
	CS-301	Computer Communication Networks	3	1	4
	SE-306	Software Quality Engineering	3	1	4
	SE-310	Software Project Management	3	1	4
	SE-311	E-Commerce	3	1	4
	***SE-499**	**Elective I**	3	1	4

* Changed title/Revised Cr. Hrs. (SE-499)

Batch 2021

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2023	SF-301	Applied Numerical Methods	3	1	4
	SE-305	Software Design & Architecture	3	1	4
	SE-302	Human Computer Interaction	3	1	4
	SE-304	Operating Systems	3	1	4
	SE-312	Software Construction & Development	3	1	4
	SE-308	Formal Method in Software Engineering	3	0	3
	CS-301	Computer Communication Networks	3	1	4
	SE-306	Software Quality Engineering	3	1	4
	SE-310	Software Project Management	3	1	4
	SE-311	E-Commerce	3	1	4
	***SE-499**	**Elective I**	3	1	4

* Changed title/Revised Cr. Hrs. (SE-499)

Batch 2022

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2024	SF-301	Applied Numerical Methods	3	1	4
	SE-305	Software Design & Architecture	3	1	4
	SE-302	Human Computer Interaction	3	1	4
	SE-304	Operating Systems	3	1	4
	SE-312	Software Construction & Development	3	1	4
	SE-308	Formal Method in Software Engineering	3	0	3
	CS-301	Computer Communication Networks	3	1	4
	SE-306	Software Quality Engineering	3	1	4
	SE-310	Software Project Management	3	1	4
	SE-311	E-Commerce	3	1	4
	SE-499	Elective I	3	1	4

* Changed title/Revised Cr. Hrs. (SE-499)

Batch 2023

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Cr/ Hrs Th	Pr	T
		Software Engineering			
FALL 2025	***CS-301**	**Computer Communication Networks**	3	1	4
	***MT-312**	**Probability & Statistics**	3	0	3
	SE-304	Operating Systems	3	1	4
	SE-313	**E-Commerce**	3	1	4
	***MT-411**	**Applied Numerical Methods**	3	1	4
	***SE-312**	**Software Construction & Development**	3	1	4
	SE-310	Software Project Management	3	1	4
	***SE-314**	**Formal Method in Software Engineering**	3	0	3
SPRING 2026	***SE-356**	**Human Computer Interaction**	3	1	4
	SE-414	**Artificial Intelligence**	3	1	4
	***SA-203**	**Foreign Language-I**	**NC**		

* Changed title/Revised Cr. Hrs. (CS-301)
** Changed title/Revised Cr. Hr