

B.Sc. (MPCs) Program Structure for CBCS w.e.f 2024 -27

First Semester (For the batch 2024-27)

Course Code	Course Type	Course Title	Hours/Week		Credits	Max. Marks		Total Marks	Duration of Exam (Hrs)
			L	P/T		Int	Ext		
ENG-1-EN-22T	CC	English – I	5	--	5	40	60	100	3
AR-1-SL-22T FR-1-SL-22T HI-1-SL-22T SK-1-SL-22T TL-1-SL-22T	CC	Second language*	4	--	4	40	60	100	3
BCS-1-CC-22T	AECC	Basic Computer Skills	1	2P	2	20	30	50	2
DIC-1-MM-22T	DSC	Mathematics-I Differential & Integral Calculus (Theory)	4	--	4	40	60	100	3
MEO-1-PH-22T	DSC	Physics – I Mechanics and Oscillations (Theory)	4	--	4	40	60	100	3
OOP-1-CS-22T	DSC	Computer Science-I: Object Oriented Programming Using C++ (Theory)	4	--	4	40	60	100	3
DIC-1-MM-22P	DSC	Mathematics-I Differential & Integral Calculus (Practical)	--	3P	1	20	30	50	3
MEO-1-PH-22P	DSC	Physics – I Mechanics and Oscillations (Practical)	--	3P	1	20	30	50	3
OOP-1-CS-22P	DSC	Computer Science-I: Object Oriented Programming Using C++ Computer Science (Practical)	--	3P	1	20	30	50	3
		Total	22	11	26				

CC: Compulsory Course ; AECC: Ability Enhancement Compulsory Course; DSC: Discipline Specific Core; T: Theory; P: Practical; I: Internal Exam E: End Semester Exam HI - Hindi; AR - Arabic; SK - Sanskrit; FR - French; TL – Telugu

Second Semester (For the batch 2024-27)

Subject Code	Course Type	Course Title	Hours /Week		Credits	Max marks		Total Marks	Duration of Exam (Hrs)
			L	P/T		Int	Ext		
ENG-2-EN-22T	CC	English – II	5	--	5	40	60	100	3
AR-2-SL-22T FR-2-SL-22T HI-2-SL-22T SK-2-SL-22T TL-2-SL-22T	CC	Second language*	4	--	4	40	60	100	3
EVS-2-EN-22T	AECC	Environmental Studies	1	1T	2	20	30	50	2
DE-2-MM-22T	DSC	Mathematics-II Differential Equations (Theory)	4	--	4	40	60	100	3
THP-2-PH-22T	DSC	Physics-II Thermal Physics(Theory)	4	--	4	40	60	100	3
DS-2-CS-22T	DSC	Computer Science-II Data Structures (Theory)	4	--	4	40	60	100	3
DE-2-MM-22P	DSC	Mathematics-II Differential Equations (Practical)	--	3P	1	20	30	50	3
THP-2-PH-22P	DSC	Physics-II Thermal Physics(Practical)	--	3P	1	20	30	50	3
DS-2-CS-22P	DSC	Computer Science-II Data Structures (Practical)	--	3P	1	20	30	50	3
		Total	22	10	26				
	*Non- CGPA	Co- curricular: Value Added Course (within Sem II)			*2				

Total No of Credits by the end of First Year : 50

CC: Compulsory Course ; AECC: Ability Enhancement Compulsory Course; DSC: Discipline Specific Core; T: Theory; P: Practical; I: Internal Exam E: End Semester Exam HI - Hindi; AR - Arabic; SK - Sanskrit; FR - French; TL - Telugu

Third Semester (For the batch 2024-27)

Subject Code	Course Type	Course Title	Hours/Week		Credits	Max marks		Total Marks	Duration of Exam (Hrs)
			L	P/T		Int	Ext		
ENG-3-EN-22T	CC	English - III	5	--	5	40	60	100	3
AR-3-SL-22T FR-3-SL-22T HI-3-SL-22T SK-3-SL-22T TL-3-SL-22T	CC	Second Language*	3	--	3	40	60	100	3
UHVGS-3-EN-22T LMS-3-BM-22T	SEC	UGC Specified Course (a) Universal Human Values and Gender Sensitization (b) Leadership and Management Skills	2	--	2	20	30	50	2
RA-3-MM-22T	DSC	Mathematics-III Real Analysis (Theory)	4	--	4	40	60	100	3
EMT-3-PH-22T	DSC	Physics-III Electromagnetic Theory (Theory)	4	--	4	40	60	100	3
RD-3-CS-22T	DSC	Computer Science-III Relational Database Management System (Theory)	4	--	4	40	60	100	3
RA-3-MM-22P	DSC	Mathematics-III Real Analysis (Practical)	--	3P	1	20	30	50	3
EMT-3-PH-22P	DSC	Physics-III Electromagnetic Theory (Practical)	--	3P	1	20	30	50	3
RD-3-CS-22P	DSC	Computer Science-III Relational Database Management System (Practical)	--	3P	1	20	30	50	3
		Total	22	9	25				

CC: Compulsory Course ; AECC: Ability Enhancement Compulsory Course; DSC: Discipline Specific Core; T: Theory; P: Practical; I: Internal Exam E: End Semester Exam HI - Hindi; AR - Arabic; SK - Sanskrit; FR - French; TL – Telugu

Fourth Semester (For the batches 2024-27)

Subject Code	Course Type	Course Title	Hours/Week		Credits	Max Marks		Total Marks	Duration of Exam (Hrs)
			L	P/T		Int	Ext		
ENG-4-EN-22T	CC	English – IV	5	--	5	40	60	100	3
AR-4-SL-22T FR-4-SL-22T HI-4-SL-22T SK-4-SL-22T TL-4-SL-22T	CC	Second Language*	3	--	3	40	60	100	3
EE-4-EN-22T BEN-4-EN-22T	SEC	UGC Specified Course (a)English for Employability (b) Business English	1	1P	2	20	30	50	2
ALG-4-MM-22T	DSC	Mathematics-IV Algebra (Theory)	4	--	4	40	60	100	3
WOP-4-PH-22T	DSC	Physics-IV Waves & Optics (Theory)	4	--	4	40	60	100	3
JV-4-CS-22T	DSC	Computer Science - IV Java Programming (Theory)	4	--	4	40	60	100	3
ALG-4-MM-22P	DSC	Mathematics-IV Algebra (Practical)	--	3P	1	20	30	50	3
WOP-4-PH-22P	DSC	Physics-IV Waves & Optics (Practical)	--	3P	1	20	30	50	3
JV-4-CS-22P	DSC	Computer Science-IV Java Programming (Practical)	--	3P	1	20	30	50	3
		Total	21	10	25				
	*Non-CGPA	*Internship (within Sem V)			*4				
		Co- curricular: MOOCs (within Sem III)			*2				
		Extra Curricular Activities (within Sem III)			*2				

Total No of Credits by the end of Second Year 102

CC: Compulsory Course; AECC: Ability Enhancement Compulsory Course; DSC: Discipline Specific Core; T: Theory; P: Practical; I: Internal Exam E: End Semester Exam HI - Hindi; AR - Arabic; SK - Sanskrit; FR - French; TL - Telugu

Fifth Semester (For the batch 2024-27)

Subject Code	Course Type	Course Title	Hours/Week		Credits	Max Marks		Total Marks	Duration of Exam (Hrs)
			L	P/T		Int	Ext		
AR-5-SL-22T FR-5-SL-22T HI-5-SL-22T SK-5-SL-22T TL-5-SL-22T	CC	Second Language*	3	--	3	50	60	100	3
MM-5-MM-22T LS-5-MM-22T	SEC	<u>Department Specified course</u> (any one of the following) 1) Mathematics: a) Mathematical Modelling b) Logic & Sets 2) Physics: a) Basic Instrumentation (Theory) b) Experimental Methods and Error Analysis (Theory) 3) Computer Science: a) Cyber Security Essentials	2	--	2	20	30	50	2
BI-5-PH-22T EME-5-PH-22T									
SSE-5-CS-22T									
LA-5-MM-22T	DSC	Mathematics-V Linear Algebra (Theory)	4	--	4	40	60	100	3
MP-5-PH-22T CP-5-PH-22T	DSE	Physics– V a) Modern Physics(Theory) b) Computational Physics (Theory)	4	--	4	40	60	100	3
WT-5-CS-22T PP-5-CS-22T CNCC-5-CS-22T	DSE	Computer Science—V (Theory) a) Web Technologies b) Programming in Python c) Computer Networks & Cloud Computing	4	--	4	40	60	100	3
LA-5-MM-22P	DSC	Mathematics-V Linear Algebra (Practical)	--	3P	1	20	30	50	3
MP-5-PH-22P CP-5-PH-22P	DSE	Physics– V a) Modern Physics(Practical) b) Computational Physics (Practical)	--	3P	1	20	30	50	3
WT-5-CS-22P PP-5-CS-22P CNCC-5-CS-22P	DSE	Computer Science—V (Practical) a) Web Technologies b) Programming in Python c) Computer Networks & Cloud Computing	--	3P	1	20	30	50	3
--	GE	*Courses offered by other Departments	4	--	4	40	60	100	3
		Total	21	9	24				

Sixth Semester (For the batch 2024-27)

Subject Code	Course Type	Course Title	Hours/Week		Credits	Max Marks		Total Marks	Duration of Exam (Hrs)
			L	P/T		Int	Ext		
AR-6-SL-22T FR-6-SL-22T HI-6-SL-22T SK-6-SL-22T TL-6-SL-22T	CC	Second Language*	3	--	3	50	60	100	3
TE-6-MM-22T VC-6-MM-22T EH-6-PH-22T NS-6-PH-22T GDS-6-CS-22T	SEC	<u>Department Specified course</u> (any one of the following) Mathematics: a) Theory of Equations b) Vector Calculus Physics: 1) Energy Harvesting 2) Nano Sciences Computer Science: a) Google Data Studio	2	--	2	20	30	50	2
NA-6-MM-22T DM-6-MM-22T ASG-6-MM-22T	DSE	Mathematics - VI a) Numerical Analysis (Theory) b) Discrete Mathematics (Theory) c) Analytical Solid Geometry (Theory)	4	--	4	40	60	100	3
EL-6-PH-22T AO-6-PH-22T	DSE	Physics - VI 1) Electronics(Theory) 2) Applied Optics(Theory)	4	--	4	40	60	100	3
FSWD-6-CS-22T DSP-6-CS-22T OS-6-CS-22T	DSE	Computer Science – VI (Theory) a) Full Stack Web Development b) Data Science with Python c) Operating Systems	4	--	4	40	60	100	3
NA-6-MM-22P DM-6-MM-22P ASG-6-MM-22P	DSE	Mathematics - VI a) Numerical Analysis (Practical) b) Discrete Mathematics (Practical) c) Analytical Solid Geometry (Practical)	--	3P	1	20	30	50	3
EL-6-PH-22P AO-6-PH-22P	DSE	Physics - VI 1) Electronics(Practical) 2) Applied Optics(Practical)	--	3P	1	20	30	50	3
FSWD-6-CS-22P DSP-6-CS-22P OS-6-CS-22P	DSE	Computer Science – VI (Practical) a) Full Stack Web Development b) Data Science with Python c) Operating Systems	--	3P	1	20	30	50	3

BRMMP-6-MM-22	Project	Project 1) Mathematics: Basics of Research Methodology for Mathematics Project (OR)	4	--	4	40	60	100	3
PPR-6-PH-22		2) Physics: Physics Project (OR)							
CPR-6-CS-22		3) Computer Science: Computer Science project							
		Total	21	9	24				

Total No of Credits by the End of Third Year 150

CC (EL): Compulsory Course (English Language); CC (SL): Compulsory Course (Second Language: HI - Hindi; AR - Arabic; SK - Sanskrit; FR - French; TL - Telugu); AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Core; GE: Generic Elective; DSE: Discipline Specific Elective; T: Theory; P: Practical; I: Internal Exam E: End Semester Exam; PR: Project Report; VV: Viva-Voce Examination

SUMMARY OF CREDITS

Sl. No.	Course Category	No. of Courses	Credits per Course	Total Credits
1	CC (EL)	4	5	20
2	CC (SL)	6	4/3	20
3	AECC	2	2	4
4	DSC	13	5	65
5	SEC	4	2	8
6	GE	1	4	4
7	DSE	5	5	25
8	Project	1	4	4
	TOTAL	34		150
	Non CGPA*	*Value Added Courses	2	2
		MOOCs	2	2
		*Extra-Curricular	2	2
		Internship	4	4

Note:

- UG 1st Year students should enroll for Value added Courses & MOOCs Courses in Semester 1 I & Complete it by the end of Semester III.
- Online courses should be for a minimum of 4 weeks & upto 8 weeks duration
- Non CGPA Courses will have 2 credit each of 30 hours.
- GE Courses will be offered to Students of other Department Programmes

B.Sc. (MPCs) Program Structure for CBCS w.e.f 2022 -23

First Semester (For the batches 2022-25 & 2023-26)

Course Code	Course Type	Course Title	Hours/Week		Credits	Max. Marks		Total Marks	Duration of Exam (Hrs)
			L	P/T		Int	Ext		
ENG-1-EN-22T	CC	English – I	4	1T	5	40	60	100	3
AR-1-SL-22T FR-1-SL-22T HI-1-SL-22T SK-1-SL-22T TL-1-SL-22T	CC	Second language*	4	1T	5	40	60	100	3
BCS-1-CC-22T	AECC	Basic Computer Skills	1	2P	2	20	30	50	2
DIC-1-MM-22T	DSC	Mathematics-I Differential & Integral Calculus (Theory)	4	--	4	40	60	100	3
MEO-1-PH-22T	DSC	Physics – I Mechanics and Oscillations (Theory)	4	--	4	40	60	100	3
OOP-1-CS-22T	DSC	Computer Science-I: Object Oriented Programming Using C++ (Theory)	4	--	4	40	60	100	3
DIC-1-MM-22P	DSC	Mathematics-I Differential & Integral Calculus (Practical)	--	3P	1	20	30	50	3
MEO-1-PH-22P	DSC	Physics – I Mechanics and Oscillations (Practical)	--	3P	1	20	30	50	3
OOP-1-CS-22P	DSC	Computer Science-I: Object Oriented Programming Using C++ Computer Science (Practical)	--	3P	1	20	30	50	3
		Total	21	13	27				

CC: Compulsory Course ; AECC: Ability Enhancement Compulsory Course; DSC: Discipline Specific Core; T: Theory; P: Practical; I: Internal Exam E: End Semester Exam HI - Hindi; AR - Arabic; SK - Sanskrit; FR - French; TL – Telugu

Second Semester (For the batches 2022-25 & 2023-26)

Subject Code	Course Type	Course Title	Hours /Week		Credits	Max marks		Total Marks	Duration of Exam (Hrs)
			L	P/T		Int	Ext		
ENG-2-EN-22T	CC	English – II	4	1T	5	40	60	100	3
AR-2-SL-22T FR-2-SL-22T HI-2-SL-22T SK-2-SL-22T TL-2-SL-22T	CC	Second language*	4	1T	5	40	60	100	3
EVS-2-EN-22T	AECC	Environmental Studies	1	1T	2	20	30	50	2
DE-2-MM-22T	DSC	Mathematics-II Differential Equations (Theory)	4	--	4	40	60	100	3
THP-2-PH-22T	DSC	Physics-II Thermal Physics(Theory)	4	--	4	40	60	100	3
DS-2-CS-22T	DSC	Computer Science-II Data Structures (Theory)	4	--	4	40	60	100	3
DE-2-MM-22P	DSC	Mathematics-II Differential Equations (Practical)	--	3P	1	20	30	50	3
THP-2-PH-22P	DSC	Physics-II Thermal Physics(Practical)	--	3P	1	20	30	50	3
DS-2-CS-22P	DSC	Computer Science-II Data Structures (Practical)	--	3P	1	20	30	50	3
		Total	21	12	27				
	*Non-CGPA	Co- curricular: Value Added Course (within Sem II)			*2				

Total No of Credits by the end of First Year : 54

CC: Compulsory Course ; AECC: Ability Enhancement Compulsory Course; DSC: Discipline Specific Core; T: Theory; P: Practical; I: Internal Exam E: End Semester Exam HI - Hindi; AR - Arabic; SK - Sanskrit; FR - French; TL - Telugu

Third Semester (For the batches 2022-25 & 2023-26)

Subject Code	Course Type	Course Title	Hours/Week		Credits	Max marks		Total Marks	Duration of Exam (Hrs)
			L	P/T		Int	Ext		
ENG-3-EN-22T	CC	English - III	4	1T	5	40	60	100	3
AR-3-SL-22T FR-3-SL-22T HI-3-SL-22T SK-3-SL-22T TL-3-SL-22T	CC	Second Language*	4	1T	5	40	60	100	3
UHVGS-3-EN-22T LMS-3-BM-22T	SEC	UGC Specified Course (a) Universal Human Values and Gender Sensitization (b) Leadership and Management Skills	2	--	2	20	30	50	2
RA-3-MM-22T	DSC	Mathematics-III Real Analysis (Theory)	4	--	4	40	60	100	3
EMT-3-PH-22T	DSC	Physics-III Electromagnetic Theory (Theory)	4	--	4	40	60	100	3
RD-3-CS-22T	DSC	Computer Science-III Relational Database Management System (Theory)	4	--	4	40	60	100	3
RA-3-MM-22P	DSC	Mathematics-III Real Analysis (Practical)	--	3P	1	20	30	50	3
EMT-3-PH-22P	DSC	Physics-III Electromagnetic Theory (Practical)	--	3P	1	20	30	50	3
RD-3-CS-22P	DSC	Computer Science-III Relational Database Management System (Practical)	--	3P	1	20	30	50	3
		Total	22	11	27				

CC: Compulsory Course ; AECC: Ability Enhancement Compulsory Course; DSC: Discipline Specific Core; T: Theory; P: Practical; I: Internal Exam E: End Semester Exam HI - Hindi; AR - Arabic; SK - Sanskrit; FR - French; TL – Telugu

Fourth Semester (For the batches 2022-25 & 2023-26)

Subject Code	Course Type	Course Title	Hours/Week		Credits	Max Marks		Total Marks	Duration of Exam (Hrs)
			L	P/T		Int	Ext		
ENG-4-EN-22T	CC	English – IV	4	1T	5	40	60	100	3
AR-4-SL-22T FR-4-SL-22T HI-4-SL-22T SK-4-SL-22T TL-4-SL-22T	CC	Second Language*	4	1T	5	40	60	100	3
EE-4-EN-22T BEN-4-EN-22T	SEC	UGC Specified Course (a)English for Employability (b) Business English	1	1P	2	20	30	50	2
ALG-4-MM-22T	DSC	Mathematics-IV Algebra (Theory)	4	--	4	40	60	100	3
WOP-4-PH-22T	DSC	Physics-IV Waves & Optics (Theory)	4	--	4	40	60	100	3
JV-4-CS-22T	DSC	Computer Science - IV Java Programming (Theory)	4	--	4	40	60	100	3
ALG-4-MM-22P	DSC	Mathematics-IV Algebra (Practical)	--	3P	1	20	30	50	3
WOP-4-PH-22P	DSC	Physics-IV Waves & Optics (Practical)	--	3P	1	20	30	50	3
JV-4-CS-22P	DSC	Computer Science-IV Java Programming (Practical)	--	3P	1	20	30	50	3
		Total	21	12	27				
	*Non-CGPA	*Internship (within Sem V)			*4				
		Co- curricular: MOOCs (within Sem III)			*2				
		Extra Curricular Activities (within Sem III)			*2				

Total No of Credits by the end of Second Year 108

CC: Compulsory Course; AECC: Ability Enhancement Compulsory Course; DSC: Discipline Specific Core; T: Theory; P: Practical; I: Internal Exam E: End Semester Exam HI - Hindi; AR - Arabic; SK - Sanskrit; FR - French; TL - Telugu

Fifth Semester (For the batches 2022-25 & 2023-26)

Subject Code	Course Type	Course Title	Hours/Week		Credits	Max Marks		Total Marks	Duration of Exam (Hrs)
			L	P/T		Int	Ext		
MM-5-MM-22T LS-5-MM-22T BI-5-PH-22T EME-5-PH-22T SSE-5-CS-22T	SEC	<u>Department Specified course (any one of the following)</u> 1) Mathematics: a) Mathematical Modelling b) Logic & Sets 2) Physics: a) Basic Instrumentation (Theory) b) Experimental Methods and Error Analysis (Theory) 3) Computer Science: a) Cyber Security Essentials	2	--	2	20	30	50	2
LA-5-MM-22T	DSC	Mathematics-V Linear Algebra (Theory)	4	--	4	40	60	100	3
MP-5-PH-22T CP-5-PH-22T	DSE	Physics– V a) Modern Physics(Theory) b) Computational Physics (Theory)	4	--	4	40	60	100	3
WT-5-CS-22T PP-5-CS-22T CNCC-5-CS-22T	DSE	Computer Science—V (Theory) a) Web Technologies b) Programming in Python c) Computer Networks & Cloud Computing	4	--	4	40	60	100	3
LA-5-MM-22P	DSC	Mathematics-V Linear Algebra (Practical)	--	3P	1	20	30	50	3
MP-5-PH-22P CP-5-PH-22P	DSE	Physics– V a) Modern Physics(Practical) b) Computational Physics (Practical)	--	3P	1	20	30	50	3
WT-5-CS-22P PP-5-CS-22P CNCC-5-CS-22P	DSE	Computer Science—V (Practical) a) Web Technologies b) Programming in Python c) Computer Networks & Cloud Computing	--	3P	1	20	30	50	3
--	GE	*Courses offered by other Departments	4	--	4	40	60	100	3
		Total	18	9	21				

SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; T: Theory; P: Practical; I: Internal Exam E: End Semester Exam.

Sixth Semester (For the batches 2022-25 & 2023-26)

Subject Code	Course Type	Course Title	Hours/Week		Credits	Max Marks		Total Marks	Duration of Exam (Hrs)								
			L	P/T		Int	Ext										
TE-6-MM-22T VC-6-MM-22T EH-6-PH-22T NS-6-PH-22T GDS-6-CS-22T	SEC	<u>Department Specified course (any one of the following)</u> Mathematics: a) Theory of Equations b) Vector Calculus Physics: 1) Energy Harvesting 2) Nano Sciences Computer Science: a) Google Data Studio	2	--	2	20	30	50	2								
NA-6-MM-22T DM-6-MM-22T ASG-6-MM-22T	DSE	Mathematics - VI a) Numerical Analysis (Theory)	4	--	4	40	60	100	3								
		b) Discrete Mathematics (Theory)															
		c) Analytical Solid Geometry (Theory)															
EL-6-PH-22T AO-6-PH-22T	DSE	Physics - VI 1) Electronics(Theory) 2) Applied Optics(Theory)	4	--	4	40	60	100	3								
FSWD-6-CS-22T DSP-6-CS-22T OS-6-CS-22T	DSE	Computer Science – VI (Theory) a) Full Stack Web Development b) Data Science with Python c) Operating Systems	4	--	4	40	60	100	3								
NA-6-MM-22P DM-6-MM-22P ASG-6-MM-22P		DSE								Mathematics - VI a) Numerical Analysis (Practical)	--	3P	1	20	30	50	3
										b) Discrete Mathematics (Practical)							
	c) Analytical Solid Geometry (Practical)																
EL-6-PH-22P AO-6-PH-22P	DSE	Physics - VI 1) Electronics(Practical) 2) Applied Optics(Practical)	--	3P	1	20	30	50	3								
FSWD-6-CS-22P DSP-6-CS-22P OS-6-CS-22P	DSE	Computer Science – VI (Practical) a) Full Stack Web Development b) Data Science with Python c) Operating Systems	--	3P	1	20	30	50	3								

BRMMP-6-MM-22	Project	Project 1) Mathematics: Basics of Research Methodology for Mathematics Project (OR)	4	--	4	40	60	100	3
PPR-6-PH-22		2) Physics: Physics Project (OR)							
CPR-6-CS-22		3) Computer Science: Computer Science project							
		Total	18	9	21				

Total No of Credits by the End of Third Year 150

CC (EL): Compulsory Course (English Language); CC (SL): Compulsory Course (Second Language: HI - Hindi; AR - Arabic; SK - Sanskrit; FR - French; TL - Telugu); AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Core; GE: Generic Elective; DSE: Discipline Specific Elective; T: Theory; P: Practical; I: Internal Exam E: End Semester Exam; PR: Project Report; VV: Viva-Voce Examination

SUMMARY OF CREDITS

Sl. No.	Course Category	No. of Courses	Credits per Course	Total Credits
1	CC (EL)	4	5	20
2	CC (SL)	4	5	20
3	AECC	2	2	4
4	DSC	13	5	65
5	SEC	4	2	8
6	GE	1	4	4
7	DSE	5	5	25
8	Project	1	4	4
	TOTAL	34		150
	Non CGPA*	*Value Added Courses	2	2
		MOOCs	2	2
		*Extra-Curricular	2	2
		Internship	4	4

Note:

- UG 1st Year students should enroll for Value added Courses & MOOCs Courses in Semester 1 I & Complete it by the end of Semester III.
- Online courses should be for a minimum of 4 weeks & upto 8 weeks duration
- Non CGPA Courses will have 2 credit each of 30 hours.
- GE Courses will be offered to Students of other Department Programmes