Structure of Four-Year Undergraduate Programmes based on NEP 2020

Goa University

(Based on the "Curriculum and Credit Framework For Undergraduate Programmes-CCFUP" issued by the UGC)

NEP Highlights

(a) To **Recognize, identify, and foster the unique capabilities** of each student to promote her/his holistic development;

(b) To provide **flexibility**, so that learners can select their learning trajectories and programmes, and thereby choose their own paths in life according to their talents and interests.

(c) To impart **multidisciplinary and holistic education** across the sciences, social sciences, arts, humanities and sports.

(d) To emphasize on **conceptual understanding** rather than rote learning, **critical thinking** to encourage logical decision-making and innovation, ethics and human & constitutional values, and life skills such as communication, teamwork, leadership, and resilience.

(e) To encourage **extensive use of technology** in teaching and learning, removing language barriers, increasing access for Divyang students, and educational planning and management.

(f) To provide respect for **diversity and respect for the local context** in all curricula, pedagogy, and policy.

(g) To uphold **equity and inclusion** as the cornerstone of all educational decisions to ensure that all students are able to thrive in the education system and the institutional environment is responsive to differences to ensure that high-quality education is available for all.

(h)To have **rootedness and pride in India, and its rich, diverse, ancient, and modern culture**, languages, knowledge systems, and traditions.

Four Year Undergraduate Programme- Highlights

- Undergraduate degree programmes of either 3 or 4-year duration, with multiple entry and exit points and re-entry options, with appropriate certifications such as:
  - a UG certificate after completing 1 year (2 semesters) of study in the chosen fields of study,
  - a UG diploma after 2 years (4 semesters) of study,
  - a bachelor's degree after a 3-year (6 semesters) programme of study,
  - a 4-year bachelor's degree (honours) after 8 semesters programme of study. If the student completes a rigorous research project in their major area(s) of study in the 4th year a bachelor's degree (honours with research).
  - 4-year Bachelors degree is the preferred option as it offers holistic and multidisciplinary education

Main features of the New Curriculum Framework

- The new curriculum framework will have the following features:
  i. Flexibility to move from one discipline of study to another
  ii. Opportunity for learners to choose the courses of their interest in all disciplines
  iii. Facilitating multiple entry and exit options with UG certificate/ UG diploma/ or degree depending upon the number of credits secured
  iv. Flexibility for learners to move from one institution to another to enable them to have multi and/or interdisciplinary learning
  v. Flexibility to switch to alternative modes of learning (offline, ODL and Online learning, and hybrid modes of learning).

Outcome Based Approach to the Undergraduate Programmes

- Students on completion of graduate programmes are expected to acquire graduate attributes, including learning outcomes relating to the disciplinary area(s) in the chosen field(s) of learning and generic learning outcomes.
- Learning Outcomes include
  - Specific Learning Outcomes: Chosen disciplinary/inter or multi-disciplinary
  - Generic Learning outcomes: All Graduates should acquire & demonstrate
    - **Complex Problem Solving**
    - **Critical thinking**
    - **Creativity**
    - **Communication Skills**
    - **Analytical reasoning/thinking**
    - **Research-related skills**:
    - **Coordinating/collaborating skills**
    - **Leadership readiness/qualities**
    - **Learning how to learn skills**
    - **Digital and technological skills**
    - **Multicultural competence and inclusive spirit**
    - **Value inculcation**
    - **Autonomy, responsibility, and accountability**:
    - **Environmental awareness and action**:
    - **Community engagement and service**
    - **Empathy**

Broad Disciplines of study for Major and Minor courses:

a) Natural and Physical Sciences: Students can choose courses from Natural and Physical Sciences such as, Microbiology, Botany, Zoology, Biotechnology, Biochemistry, Chemistry, Physics, Biophysics, Astronomy and Astrophysics, Earth and Environmental Sciences and such others.

b) Mathematics, Statistics, and Computer Applications: Courses under this category will facilitate the students to use and apply tools and techniques in their major and minor disciplines. The course may include training in programming software like Python among others and applications software like STATA, SPSS, Tally, etc.

c) Library, Information, and Media Sciences: Courses from this category will help the students to understand the recent developments in information and media science (journalism, mass media, and communication)

d) Commerce and Management: Courses include business management, accountancy, finance, financial institutions, fintech, and such other.

e) Humanities and Social Sciences:

The courses relating to Social Sciences, for example, Anthropology, Communication and Media, Economics, History, Linguistics, Political Science, Psychology, Social Work, Sociology, etc. will enable students to understand the individuals and their social behaviour, society, and nation.

Students be introduced to survey methodology and available large-scale databases for India.

The courses under humanities include, for example, Archaeology, History, Comparative Literature, Arts & Creative expressions, Creative Writing and Literature, language(s), Philosophy, etc., and interdisciplinary courses relating to humanities.

The list of Courses that can include interdisciplinary subjects such as Cognitive Science, Environmental Science, Gender Studies, Global Environment & Health, International Relations, Political Economy and Development, Sustainable Development, Women's and Gender Studies, such other.

Course Structure

(a)Disciplinary/interdisciplinary major (core)

- Opportunity for a student to pursue in-depth study of a particular subject or discipline.
- Course of only theory component, only practical component or theory and practical components.
- For courses with theory and practical components, the ratio of **75% Theory** and **25% practicals** shall be maintained **with separate heads of passing**.

(b)Disciplinary/interdisciplinary minors

- Students will have the option to choose courses from disciplinary/interdisciplinary minors and **skill-based courses relating to a chosen vocational education programme.**
- Students who take the requisite number of courses (12 credits) in a discipline or an interdisciplinary area of study other than the chosen major will qualify for a minor in that discipline or in the chosen interdisciplinary area of study.
- A student shall declare the minor and vocational stream at the end of the second semester.

(c) Vocational Education and Training.

- A minimum of 12 credits will be allotted under the 'Minor' stream to Vocational Education and Training related to the major or minor discipline or choice of the student.

Course Structure

d. Multidisciplinary Courses

- All UG students are required to undergo **three introductory-level courses** relating to any of the broad disciplines given below:
- Natural and Physical Sciences; Mathematics, Statistics and Computer Applications; Library, Information and Media Sciences, Commerce and Management, Humanities and Social Sciences.
  - Students **should choose multidisciplinary courses not studied in the higher secondary level** (11^{th} & 12th class)

e. Value-Added Courses (VAC) Common to All UG Students.

- VAC common to all UG students include Understanding India, Environmental science/education, Digital and technological solutions, Health & wellness, Yoga education, sports, fitness and other value added courses like National Service Scheme (NSS), National Cadet Corps (NCC) and such other courses.

f. Ability Enhancement Courses (AEC)

- Students are required to achieve competency in a Modern Indian Language (MIL) and in the English language with special emphasis on language and communication skills.

Course Structure

g. Skills Enhancement Courses (SEC):

- These courses are aimed at imparting practical skills, hands-on training, soft skills and other courses to enhance the employability of students.

h. Summer Internship /Apprenticeship

- All students will also undergo internships / Apprenticeships in a firm, industry or organisation or Training in Lab with faculty and researchers in their own or other HEIs/research institutions **during the summer term**.

i. Community engagement and service

- To expose students to the socio-economic issues in society so that the theoretical learnings can be supplemented by actual life experiences to generate solutions to real life problems.
- This can be part of summer term activity or part of major or minor course, depending upon the major discipline.

Course Structure

j. Field-based learning/minor Project

- The field-based learning/minor project will attempt to provide opportunities for students to understand the different socio-economic contexts. This may be a **summer term project** or part of a major or minor course, depending upon the subject of study.

k. Research Project / Dissertation

- Students choosing a 4-Year Bachelor's degree (Honors with Research) are required to take up research projects under the guidance of a faculty member.

l. Extra-curricular Activities

- National Service Scheme (NSS), National Cadet Corps (NCC), adult education/literacy initiatives, mentoring school students and other similar activities.
- The University shall consider designing an appropriate teaching-learning framework to bring it into the curriculum under VAC.

Levels of Courses

Levels	Description
0-99	**Pre-requisite courses** required to undertake an introductory course which will be a pass or fail course with no credits. It is similar to the **bridge courses**.
100-199	Foundation or introductory courses that are intended for students to gain an understanding and basic knowledge about the subjects and help decide the subject or discipline of interest. These courses may also be **prerequisites** for courses in the major subject. These courses generally would focus on foundational theories, concepts, perspectives, principles, methods, and procedures of critical thinking in order to provide a broad basis for taking up more advanced courses.
200-299	Intermediate-level courses including subject-specific courses intended to meet the credit requirements for minor or major areas of learning. These courses can be part of a major and can be pre-requisite courses for advanced-level major courses.
300-399	Higher-level courses which are required for majoring in a disciplinary/interdisciplinary area of study for the award of a degree.
400-499	Advanced courses which would include lecture courses with practicum, seminar-based course, term papers, research methodology, advanced laboratory experiments/software training, research projects, hands-on-training, internship/apprenticeship projects at the undergraduate level or First year Postgraduate theoretical and practical courses.

Awarding Certificate, Diploma and Degrees

Degree/Diploma	Credits	Additional Credit Requirement	Re-entry option
UG Certificate	40	Vocational course of 4 Credits	Re-enter within 3 years and Complete within 7 years
UG Diploma	80	Vocational course of 4 Credits	Re-enter within 3 years and Complete within 7 years
3 Year UG Degree	120		
4-year UG Degree (Honours)	160		
4-year UG Degree (Honours with Research)	160 (12 credits from research project / dissertation)	Required infrastructure and at least two permanent faculty members who are recognised as PhD supervisors.	

Types of UG Programmes

Types of UG Degree	3 year UG		4 Year UG	
UG Degree Programmes with **Single Major**	60 credits in Major	120	80 credits in Major	160
UG Degree Programmes with **Double Major**	Minimum of 40 per cent core credits from second major discipline	120	minimum of 40 per cent core credits for the second major discipline	160
Interdisciplinary UG Programmes	Core courses shall be equally distributed among the constituent disciplines / subjects	120	The credits to core courses will be equally distributed among the broad disciplines	160
Multidisciplinary UG Programmes	The credits to core courses will be equally distributed among the broad disciplines	120	The credits to core courses will be equally distributed among the broad disciplines	160

Type of Courses and Credit hours

Type of Courses	Credit Components	
Lecture	1 Credit	15 Hour of Instruction
Tutorial	1 credit	15 Hour Engagement
Practicum or lab work, community engagement and services, and field work	1 credit	30 Hours Engagement
Seminar or Internship or Studio activities or Field practice/projects or Community engagement and service	1 credit	30 Hours Engagement
Each Course May have		
Only a lecture component		
A lecture and tutorial component		
A lecture and practicum component		
Lecture, tutorial and practicum component		
Only a practicum component		

Minimum Credit Requirements to Award Degree under Each Category

Sl. No.	Broad Category of Course	Minimum Credit Requirement	
		3 year UG	4 year UG
1	Major (Core)	60	80
2	Minor Stream	24 ***[Minimum 12 credits on Vocational Education and Training]***	32 ***[Minimum 12 credits on Vocational Education and Training]***
3	Multidisciplinary (MC)	09	09
4	Ability Enhancement Courses (AEC)	08	08
5	Skill Enhancement Courses (SEC)	09	09
6	Value Added Courses (VAC) Common for all UG	08	08
7	Summer Internship (I)	02	02
8	Research Project (P)/ Dissertation(D)	-	12
	Total	**120**	**160**

Programme/ Curricular components

Semesters	Curriculum Emphasis
Semesters 1 & 2	The students will undergo courses in **4 broad disciplines** (major stream, minor steam, 2 broad disciplines (multidisciplinary category) to have basic knowledge not only in major areas but also in two other disciplines. students will also take up courses of their interest from Ability Enhancement (language), Skill Enhancement and Value-Added categories
Semesters 3 & 4	Students will **choose courses** of their interest in major and minor to build a career of their interest. They also pursue courses to strengthen their language skills and other skill augmenting courses and vocational training.
Semesters 5 & 6	Students will undergo **higher level courses** and related courses during the 5th and 6th semester in order to gain an in-depth knowledge in the major and also in the related disciplines through minor stream.
Semesters 7 & 8	During the 4th and final year, students will undertake **advanced level courses** in both major and minor streams to get a UG Degree (Honours). Students choose a research component with courses relating to research methodology, advanced courses in theory and applied areas, and seminar presentations.

Curricular Components

Components	Explanation
Disciplinary/interdisciplinary major	The major would provide the opportunity for a student to pursue in-depth study of a particular subject or discipline.
Disciplinary/interdisciplinary minors	Students will have the option to choose courses from **disciplinary/interdisciplinary** minors and skill- based courses relating to a chosen vocational education programme.
Vocational Education and Training	A minimum of 12 credits will be allotted to the 'Minor' stream relating to Vocational Education and Training and these can be related to the **major or minor discipline or choice of the student**.
Multidisciplinary Courses (9 Credits)	Natural and Physical Sciences Mathematics, Statistics and Computer Applications Library, Information and Media Sciences Commerce and Management Humanities and Social Sciences
Ability Enhancement Courses (AEC) (08 credits)	Modern Indian Language (MIL) & English language
Skills Enhancement Courses (SEC):	These courses are aimed at **imparting practical skills, hands-on-training, soft skills etc**., to enhance the employability of students.

Curricular Components

Components	Explanation
Value Added Courses (VAC) Common to All UG Students (8 credits)	Understanding India Environmental science/education Digital and technological solutions Health & wellness, Yoga education, sports and fitness
Summer Internship /Apprenticeship (2 credits)	All students will also undergo internships / Apprenticeship in a **firm, industry or organisation or Training in Lab with faculty and researchers** in their own or other HEIs/research institutions during the summer term.
Community engagement and service	To expose students to the **socio-economic issues** in society so that the theoretical learnings can be supplemented by **actual life experiences** to generate **solutions to real-life problems**. This can be part of summer term activity or part of major or minor course depending upon the major discipline
Field-based learning/minor project	The field-based learning/minor project will attempt to provide opportunities for students to **understand the different socio-economic contexts**. This may be a summer term project or part of a major or minor course depending upon the subject of study.
Research Project / Dissertation	Students choosing a 4-Year Bachelor's degree (Honours with Research) are required to take up research project under the guidance of a faculty member.
Extra-curricular Activities	National Service Scheme (NCC), National Cadet Corps (NCC), adult education/literacy initiatives, mentoring school students and other similar activities.

Comparison of Credit Allocation – Existing (GU) Versus NEP

Semester	B.A.		B.Com		B.Sc.		NEP		
	Gen	Hon.	Gen	Hon.	Gen	Hon.	3 year UG	4 year UG	Exit Credit
Sem -I	26	26	26	26	26	26	20	20	4
Sem -II	26	26	26	26	26	26	20	20	
Sem -III	24	24	22	24	22	22	20	20	4
Sem -IV	24	24	22	24	22	22	20	20	
Sem -V	16	24	20	24	20	26	20	20	
Sem -VI	16	24	16	24	16	26	20	20	
								20	
								20	
Total	132	148	132	148	132	148	**120**	**160**	

Semester-wise Distribution of Credits (NEP)

Semester	Major	Minor	Multi Disciplinary	AEC (language)	SEC/I/D	CVAC	**Total Credits**
I	100 level Courses (4)	100 level Courses (4)	(1 course) (3)	(1 course) (2)	(1 course) (3)	(1 or 2 course) (4)	**20**
II	100 level Courses (4)	100 level Courses (4)	(1 course) (3)	(1 course) (2)	(1 course) (3)	(1 or 2 course) (4)	**20**
III	(200 level) (8)	(200 & above) (4)	(1 course) (3)	(1 course) (2)	(1 course) (3)	-	**20**
IV	(200 level) (14)	(200 & above) (4)	-	(1 course) (2)	-	-	**20**
V	(300 level) (14)	(200 & above) (4)	-	-	Internship (2)	-	**20**
VI	(300 level) (16)	(200 & above) (4)	-	-	-	-	**20**
VII	(400 level) (16)	(300 & above) (4)	-		-	-	**20**
VIII	(400 level) (4)	(300 & above) (4)	-	-	(Research Project/ Dissertation)	-	**20**

Semester-wise Distribution of Credits Under NEP

Semester	Major Core courses	Minor courses	Multi-Displi	Ability EC	Skill EC	Internship	Dissertation/ Proj	Common Value AC	Total Credits
I	4	4	3	2	3	-	-	4 (2+2)	20
II	4	4	3	2	3	-	-	4 (2+2)	20
III	8 (4+4)	4	3	2	3	-	-	-	20
IV	14 (4+4+4+2)	4 (V)	-	2	-	-	-		20
V	14 (4+4+4+2)	4 (V)	-	-	-	2	-	-	20
VI	16 (4+4+4+4*)	4 (V)	-	-		-	-	-	20
VII	16 (4+4+4+4**)	4	-		-	-	-	-	20
VIII	4***	4	-			-	12#		20
Total	**80**	**32**	**09**	**08**	**09**	**2**	**12**	**08**	**160**

***Minor project (P) in lieu of a major core course**

**** RM Course (compulsory for dissertation students)**

***** Can be a seminar based course with Students' presentation and discussion**

 # Courses equivalent to 12 credits of dissertation will be added under Major courses category to the 4-year Honors Programme

Distribution of Major Course Credits for Different Types of UG Programmes

UG Programmes	**3 Year Undergraduate**	**4 Year Honors**	**4 Year Honors with Research**
Single Major with minor	60	92	80 +12
Double Major (60:40) with minor	36 + 24 = 60	54 + 38 = 92	48 + 32 = 80+12
Interdisciplinary UG with minor	20 + 20 + 20 = 60	32 + 30 + 30 = 92	28 + 26 + 26 = 80 +12
Multidisciplinary UG with minor	20 + 20 + 20 = 60	32 + 30 + 30 = 92	28 + 26 + 26 = 80+12

UG Degree (Honors with Research) Programme with Single Major (credits shown in the bracket)

Sem	**Major-Core**	**Minor**	**MC**	**AEC**	**SEC**	**Inter.**	**D**	**CVAC**	**Total Credits**	**Exit**
I	Major1(4)	Minor-1(4)	MC-1 (3)	AEC-1 (2)	SEC-1 (3)			CVAC-1 (2) CVAC-2 (2)	**20**	
II	Major 2 (4)	Minor-2(4)	MC-2 (3)	AEC-2 (2)	SEC-2 (3)			CVAC-3 (2) CVAC-4 (2)	**20**	(4) VC
III	Major-3 (4) Major-4 (4)	Minor-3(4)	MC-3 (3)	AEC-3 (2)	SEC-3 (3)			-	**20**	
IV	Major-5 (4) Major-6 (4) Major-7 (4) Major-8 (2)	Minor-4-V Vocational (4)	-	AEC-4 (2)	-				**20**	(4) Work based Voc. C
V	Major-9 (4) Major-10 (4) Major-11 (4) Major -12 (2)	Minor-5 –V Vocational (4)	-	-		2		-	**20**	
VI	Major-13 (4) Major-14 (4) Major-15 (4) Major-16 (4) (P)	Minor-6 –V Vocational (4)	-	-	-				**20**	
VII	Major-17 (4) Major-18 (4) Major-19 (4) Major -20(RM)*(4)	Minor-7 (4)	-		-				**20**	
VIII	Major-21 (4)	Minor-8 (4)	-				D(12)		**20**	
Total	**80**	**32**	**09**	**08**	**09**	**2**	**12**	**08**	**160**	

UG Degree (Honors) Programme with Single Major (credits shown in the bracket)

Sem	**Major -Core**	**Minor**	**MC**	**AEC**	**SEC**	**Intern.**	**CVAC**	**Total Credits**	**Exit**
I	Major-1 (4)	Minor-1 (4)	MC-1 (3)	AEC-1 (2)	SEC-1 (3)		CVAC-1 (2) CVAC-2 (2)	**20**	
II	Major-2 (4)	Minor-2 (4)	MC-2 (3)	AEC-2 (2)	SEC-2 (3)		CVAC-3 (2) CVAC-4 (2)	**20**	4
III	Major-3 (4) Major-4 (4)	Minor-3 (4)	MC-3 (3)	AEC-3 (2)	SEC-3 (3)		-	**20**	
IV	Major-5 (4) Major-6 (4) Major-7 (4) Major-8 (2)	Minor-4 (V) (4)	-	AEC-4 (2)	-			**20**	4
V	Major-9 (4) Major10(4) Major-11(4) Major -12 (2)	Minor-5 (V) (4)	-	-		Int (2)	-	**20**	
VI	Major-13(4) Major-14(4) Major-15(4) Major-16(4) (P)	Minor-6 (V) (4)	-	-	-	-	-	**20**	
VII	Major-17 (4) Major-18 (4) Major-19 (4) Major-20 (4)	Minor-7 (4)	-		-		-	**20**	
VIII	Major-21 (4) Major-22 (4) Major-23 (4) Major-24 (4)	Minor-8 (4)	-					**20**	
Total	**92**	**32**	**09**	**08**	**9**	**6**	**08**	**160**	

UG Degree (Honors) Programme with Double Major subjects (credits shown in the bracket)

Sem	Major-Core	Minor	MC	AEC	SEC	Intern.	CVAC	Total Credits	Exit
I	Major-A1 (4)	Minor-1 (4)	MC-1 (3)	AEC-1 (2)	SEC-1 (3)	-	CVAC-1(2) CVAC-2 (2)	**20**	
II	Major –B1 (4)	Minor-2 (4)	MC-2 (3)	AEC-2 (2)	SEC-2 (3)	-	CVAC-3 (2) CVAC-4 (2)	**20**	4
III	Major-A2(4) Major –B2 (4)	Minor-3 (4)	MC-3 (3)	AEC-3 (2)	SEC-3 (3)	-	-	**20**	
IV	Major-A3 (4) Major-A4 (4) Major-A5 (2) Major-B3(4)	Minor-4 (V) (4)	-	AEC-4 (2)	-	-		**20**	4
V	Major-A6 (4) Major-A7 (4) Major-A8 (2) Major-B4 (4)	Minor-5 (V) (4)	-	-	-	Int (2)	-	**20**	
VI	Major-A9 (4) Major-A10 (4)(P) Major-B5 (4) Major-B6 (4)	Minor-6 (V) (4)	-	-	-	-	-	**20**	
VII	Major-A11 (4) Major-A12 (4) Major-A13 (2) Major – B7 (4) Major – B8 (2)	Minor-7 (4)	-	-	-	-	-	**20**	
VIII	Major-A14 (4) Major-A15 (4) Major- B9 (4) Major -B10 (4)	Minor-8 (4)	-	-	-	-	-	**20**	
Total Credits	**92**	**32**	**09**	**08**	**9**	**2**	**08**	**160**	

UG Degree (Honors with Research) Programme with Double Major subjects

Sem	Major-Core	Minor	MC	AEC	SEC	Int.	CVAC	D	Total Credits	Exit
I	Major-A1 (4)	Minor-1 (4)	MC-1 (3)	AEC-1 (2)	SEC-1 (3)	-	CVAC-1(2) CVAC-2 (2)	-	**20**	
II	Major –B1 (4)	Minor-2 (4)	MC-2 (3)	AEC-2 (2)	SEC-2 (3)	-	CVAC-3(2) CVAC-4 (4)	-	**20**	4
III	Major-A2(4) Major –B2 (4)	Minor-3 (4)	MC-3 (3)	AEC-3 (2)	SEC-3 (3)	-	-	-	**20**	
IV	Major-A3 (4) Major-A4 (4) Major-A5 (2) Major-B3(4)	Minor-4 (V) (4)	-	AEC-4 (2)	-	-	-	-	**20**	4
V	Major-A6 (4) Major-A7 (4) Major-A8 (2) Major-B4 (4)	Minor-5 (V) (4)	-	-		Int (2)	-	-	**20**	
VI	Major-A9 (4) Major-A10 (4)(P) Major-B5 (4) Major-B6 (4)	Minor-6 (V) (4)	-	-	-	-	-	-	**20**	
VII	Major-A11 (4) Major-A12 (4)(RM) Major – B7 (4) Major – B8 (4)	Minor-7 (4)	-	-	-		-	-	**20**	
VIII	Major-A14 (4)	Minor-8 (4)	-	-	-	-	-	12	**20**	
Total	**80**	**32**	**09**	**08**	**9**	**2**	**08**	**12**	**160**	

UG Degree (Honors with Research) Programme with Interdisciplinary subjects

Sem	**Major-Core**	**Minor**	**MC**	**AEC**	**SEC**	**Internship**	**Dissertation**	**CVAC**	**Total Credits**	**Exit**
I	Major-A1 (4)	Minor -1(4)	MC-1 (3)	AEC-1 (2)	SEC-1 (3)	-	-	CVAC-1 (2) CVAC-2 (2)	**20**	
II	Major-B1 (4)	Minor-2(4)	MC-2(3)	AEC-2(2)	SEC-2 (3)	-	-	CVAC-3(2) CVAC-4 (4)	**20**	4
III	Major-C1 (4) Major-A2 (4)	Minor-3 (4)	MC-3 (3)	AEC-3 (2)	SEC-3 (3)	-	-	-	**20**	
IV	Major-A3 (4) Major-B2 (4) Major-C2 (4) Major-B3 (2)	Minor-4 V (4)	-	AEC-4 (2)	-	-	-		**20**	4
V	Major-A4 (4) Major-B4 (4) Major-C3 (4) Major-C4 (2)	Minor-5 V (4)	-	-	-	(2)	-	-	**20**	
VI	Major-A5 (4)(P) Major-B5 (4) Major-C5 (4) Major-B6 (4)	Minor-6 V (4)	-	-	-	-	-	-	**20**	
VII	Major-A6 (4)(RM) Major-B7 (4) Major-C6 (4) Major-C7 (4)	Minor-7 (4)	-	-	-	-	-	-	**20**	
VIII	Major-A7 (4)	Minor-8 (4)	-	-	-	-	(12)	-	**20**	
Total Credits	**80**	**32**	**09**	**08**	**09**	**02**	**12**	**08**	**160**	

UG Degree (Honors) Programme with Interdisciplinary subjects

Sem	**Major**	**Minor**	**MC**	**AEC**	**SEC**	**Internship**	**CVAC**	**Total Credits**	**Exit**
I	Major A1 (4) (4)	Minor-1(4)	MC-1 (3)	AEC-1 (2)	SEC-1 (3)	-	CVAC-1 (2) CVAC-2 (2)	**20**	
II	Major-B1 (4) (4)	Minor-2(4)	MC-2 (3)	AEC-2 (2)	SEC-2 (3)	-	CVAC-3 (2) CVAC-4 (2)	**20**	4
III	Major-A2 (4) Major-C1 (4)	Minor-3(4)	MC-3 (3)	AEC-3 (2)	SEC-3 (3)	-	-	**20**	
IV	Major-B2 (4) Major-B3 (4) Major-C2 (4) Major-C3 (2)	Minor-4 (V) (4)	-	AEC-4 (2)	-	-	-	**20**	4
V	Major-A3 (4) Major-C4 (4) Major-C5 (4) Major-B4 (2)	Minor-5 (V) (4)	-	-		(2)	-	**20**	
VI	Major-A4 (4)(P) Major-B5 (4) Major-B6 (4) Major-C6 (4)	Minor-6 (V) (4)	-	-	-	-	-	**20**	
VII	Major-A5 (4) Major-A6 (4) Major-B7 (4) Major-C7 (4)	Minor-7 (4)	-	-	-	-	-	**20**	
VIII	Major-A7 (4) Major-A8 (4) Major-B8 (4) Major-C8 (4)	Minor-8 (4)	-	-	-	-	-	**20**	
Total	**92**	**32**	**09**	**08**	**09**	**02**	**08**	**160**	

UG Degree (Honors with Research) Programme with Multidisciplinary subjects

Sem	**Major**	**Minor**	**MC**	**AEC**	**SEC**	**Internship**	**Dissert**	**CVAC**	**Total Credits**	**Exit**
I	Major-A1 (4) (4)	Minor-1(4)	MC-1 (3)	AEC-1 (2)	SEC-1 (3)	-	-	CVAC-1(2) CVAC-2 (2)	**20**	
II	Major-B1 (4) (4)	Minor-2(4)	MC-2 (3)	AEC-2 (2)	SEC-2 (3)	-	-	CVAC-3 (2) CVAC-4 (2)	**20**	**4**
III	Major-C1 (4) Major-A2 (4)	Minor-3(4)	MC-3 (3)	AEC-3 (2)	SEC-3 (3)	-	-	-	**20**	
IV	Major-A3 (4) Major-B2 (4) Major-C2 (4) Major-B3 (2)	Minor-4 -V- (4)	-	AEC-4 (2)	-	-	-		**20**	**4**
V	Major-A4 (4) Major-B4 (4) Major-C3 (4) Major-C4 (2)	Minor-5 -V- (4)	-	-	-	(2)	-	-	**20**	
VI	Major-A5 (4)(P) Major-B5 (4) Major-C5 (4) Major-B6 (4)	Minor-6 -V- (4)	-	-	-	-	-	-	**20**	
VII	Major-A6 (4)(RM) Major-B7 (4) Major-C6 (4) Major-C7 (4)	Minor-7(4)	-	-	-	-	-	-	**20**	
VIII	Major-A7 (4)	Minor-8(4)	-	-	-	-	(12)	-	**20**	
Total	**80**	**32**	**09**	**08**	**09**	**02**	**12**	**08**	**160**	

UG Degree (Honors) Programme with Multidisciplinary subjects

Sem	**Major**	**Minor**	**MC**	**AEC**	**SEC**	**Internship**	**CVAC**	**Total Credits**	**Exit**
I	Major-A1(4) **(4)**	Minor-1 **(4)**	MC-1**(3)**	AEC-1 **(2)**	SEC-1 **(3)**	-	CVAC1 (2) CVAC-2 (2)	**20**	
II	Major-B1(4) **(4)**	Minor-2 **(4)**	MC-2**(3)**	AEC-2**(2)**	SEC-2 **(3)**	-	CVAC-3 (2) CVAC-4 (2)	**20**	**4**
III	Major-A2(4) Major-C1(4)	Minor-3 **(4)**	MC-3**(3)**	AEC-3**(2)**	SEC-3 **(3)**	-	-	**20**	
IV	Major-B2(4) Major-B3(4) Major-C2(4) Major-C3(2)	Minor4-V- **(4)**	-	AEC-4**(2)**	-	-	-	**20**	**4**
V	Major-A3(4) Major-C4(4) Major-C5(4) Major-B4*(2)	Minor-5-V- **(4)**	-	-	-	(2)	-	**20**	
VI	Major-A4 (4)(P) Major-B5 (4) Major-B6 (4) Major-C6 (4)	Minor-6 -V- **(4)**	-	-	-	-	-	**20**	
VII	Major-A5 (4) Major-A6 (4) Major-B7 (4) Major-C7 (4)	Minor-7 **(4)**	-	-	-	-	-	**20**	
VIII	Major-A7 (4) Major-A8 (4) Major-B8 (4) Major-C8 (4)	Minor-8 **(4)**	-	-	-	-	-	**20**	
Total	**92**	**32**	**09**	**08**	**09**	**02**	**08**	**160**	

Examination - Learning assessment

- A variety of assessment methods that are appropriate to a given disciplinary/subject area and a programme of study will be used to assess progress toward the course/programme learning outcomes.
- Priority will be accorded to formative assessment.
- Evaluation will be based on continuous assessment, in which sessional work and the terminal examination will contribute to the final grade.
- Sessional work will consist of class tests, mid-semester examination(s), homework assignments, etc., as determined by the faculty in charge of the courses of study.
- Progress towards achievement of learning outcomes will be assessed using the following:
  - time-constrained examinations;
  - closed-book and open-book tests;
  - problem-based assignments;
  - practical assignment laboratory reports;
  - observation of practical skills;
  - individual project reports (case-study reports);
  - team project reports;
  - oral presentations, including seminar presentation;
  - viva voce interviews;
  - computerized adaptive assessment, examination on demand, modular certifications, etc.

Evaluation

- The evaluation for the Courses shall comprise of Intra-Semester Assessment (ISA) and the Semester End Assessment (SEA).
- The ISA shall carry 20% of the maximum marks allotted for the Course, and SEA shall carry 80% marks.
- Courses of any other number of credits shall have a proportionate marking system.
- There shall be no ISA for 1 credit practical course. Incase of 2-4 credits practical courses, there shall be an ISA component of 20% and SEA component of 80%.
- A course of 4 credits for a total of 100 marks, having only theory, shall have ISA for 20 marks and SEA for 80 marks.
- There shall be no ISA for 1 credit practical component of 4 credits course. A course of 4 credits for a total of 100 marks having theory (3 credits) and practical components (1 credit) shall have ISAs only for the theory component for a total of 15 marks, and the SEA theory component for 60 marks. The 1 credit practical component has only SEA with 25 marks.
- Assessment of answer scripts of SEA of Semesters I - VIII shall be done centrally by the University.

Dissertation

- Ordinarily, the Dissertation shall be spread over the seventh and eighth Semesters.
- The research department shall decide the modalities relating to the Dissertation/Internship.
- The topic of the Dissertation shall be finalized by the student in consultation with the Research Supervisor/Research Mentor at the beginning of the Academic Year in which they are pursuing their Dissertation.
- The department shall decide the distribution of students to be allotted to a Research Supervisor.
- The Research Supervisor along with the faculty members of the concerned Department and external examiner (for assessing research report) shall assess the Dissertation work as per the components below:

(a) Research Conceptualization:-

The Research Conceptualization shall have only one assessment component of 100 marks at the beginning of the eighth Semester for the four-year undergraduate Degree Programme which shall be in the form of a presentation of the research frame, identification of the research gap through a review of literature and availability of data, developed by the student in the seventh semester. 50% of the marks shall be awarded by the Research Supervisor and 50% by the faculty members of the Department.

(b)Research Mentoring:-

The Research Supervisor continuously monitor research progress, evidenced by attendance, and shall award 100 marks for the research work carried out and submitted by the student as research report.

(c) Research Report:-

The Research Report of 100 marks shall be evaluated externally. The external examiner shall be a Ph.D holder in the concerned subject.

- There shall be no revaluation of the Dissertation.
- A student who fails in the Dissertation shall have to resubmit the Dissertation incorporating changes suggested.

Letter Grade

- Letter Grade shall be the index of the performance of students in a said Course, denoted by letters O, A+,A, B+, B, C, P and F, and calculated based on Grade Point and marks obtained for each Course, as shown in the table below.

Letter Grade	G Point	Marks (%)
O (Outstanding)	10	85 - 100
A+(Excellent)	9	75 - <85
A (Very Good)	8	65 - <75
B+(Good)	7	55 - <65
B (Above Average)	6	50 - <55
C (Average)	5	45 - <50
P (Pass)	4	40 - <45
F (Fail)	0	-<40
Ab (Absent)	0	---

Computation of SGPA and CGPA

- The SGPA is based on the grades of the current term, while the Cumulative GPA (CGPA) is based on the grades in all courses taken after joining the programme of study.
- The SGPA shall be computed only at the end of semesters V, VI, VII and VIII or whenever the student exits the programme.
- The procedure to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

i. The SGPA is the ratio of the sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e.

$$\mathbf{SGPA\ (Si) = \sum(Ci \times Gi) / \sum Ci}$$

Where Ci is the number of credits of the ith course and Gi is the grade point scored by the student in the ith course.

Cumulative Grade Point Average

The Cumulative Grade Point Average (CGPA) is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a programme, i.e.

$$\mathbf{CGPA = \sum(Ci \times Si) / \sum Ci}$$

where Si is the SGPA of the ith semester and Ci is the total number of credits in that semester.

THANK YOU