



GURU JAMBHESHWAR UNIVERSITY OF SCIENCE AND TECHNOLOGY, HISAR
(Established by State Legislature Act 17 of 1995)
'A+' Grade, NAAC Accredited State Govt. University

No. Acad./AC-I/2024/ 3680 -3739
Dated: 10/07/2024

To

1. All Deans of Faculties
2. All Chairpersons of the University Teaching Departments/Director, HSB
3. All Principals of the affiliated degree Colleges
GJUST, Hisar

Sub: Ordinance governing UG Programme (Multidisciplinary) as per NEP-2020, Scheme-B, Scheme-C and Scheme-D (UG Certificate, UG Diploma, Bachelor Degree and Bachelor Degree (Honours) and Bachelor (Honours with Research) w.e.f. the session 2024-25.

Sir/ Madam,

In continuation to this office letter No. Acad./AC-I./2024/ 3514-3578 dated 06.07.2024 on the subject cited above and to enclose herewith the following Ordinance for **Scheme-B, Scheme-C and Scheme-D (UG Certificate, UG Diploma, Bachelor Degree and Bachelor Degree (Honours) and Bachelor (Honours with Research)) Under Learning Outcome Based Curriculum Framework-Choice Based Credit System (LOCF-CBCS) as per NEP-2020** for preparation of Scheme and Syllabi of UG Programmes for implementation of NEP-2020 and admission process w.e.f. the session 2024-25 at affiliated degree Colleges (copy enclosed):-

1. **Scheme-B:** Ordinance governing UG Programme (Multidisciplinary) Single Major from Third Semester as per National Education Policy-2020,.
2. **Scheme-C:** Ordinance governing UG Programme (Single Major from First Semester) as per National Education Policy-2020,.
3. **Scheme-D:** Ordinance governing UG Programme (Interdisciplinary) as per National Education Policy-2020,.

You are, therefore, requested to take necessary action, accordingly.

Yours faithfully

Assistant Registrar (Academic)
For Registrar

DA/As above

C.C.:

1. Dean Academic Affairs, GJUST, Hisar
2. Dean of Colleges, GJUST, Hisar
3. Controller of Examinations, GJUST, Hisar
4. OSD to Vice-Chancellor (for kind information of the Vice-Chancellor), GJUST, Hisar.
5. Secretary to Registrar (for kind information of the Registrar), GJUST, Hisar



Guru Jambheshwar University of Science and Technology
Hisar-125001, Haryana
('A+' NAAC Accredited State Govt. University)



**Ordinance governing UG Programme (Multidisciplinary) Single Major
from Third Semester as per National Education Policy-2020**

SCHEME-B

**(UG Certificate, UG Diploma, Bachelor Degree and Bachelor Degree (Honours) and
Bachelor (Honours with Research)**

SEMESTER SYSTEM

**Under Learning Outcome Based Curriculum Framework-Choice Based Credit System
(LOCF-CBCS) as per NEP-2020**
(w.e.f. Session 2024-25)

1. Scope

This Ordinance is based on National Education Policy-2020 (NEP-2020), Learning Outcome Based Curriculum Framework-Choice Based Credit System (LOCF-CBCS) and is according to the Curriculum and Credit Framework for UG Programmes (CCFUGP) of University Grants Commission and as per Memo No. DHE-170005/5/2023-Deputy Director-NPE dated June 8, 2023 regarding implementation of the key components of NEP-2020 in Colleges and Universities.

- (i) The duration of the programme for the award of Undergraduate Certificate in Discipline will be one academic year and of Undergraduate Diploma in Discipline with major in a subject will be two academic years. The duration of Bachelor Degree in discipline with major in a subject will be three academic years and Bachelor Degree in discipline (Hons./Hons. with Research) in a subject will be four academic years. Each academic year will be divided into two semesters i.e., July to December and January to June. There shall be teaching of 15 weeks/90 days in each semester excluding admission and examination days.
- (ii) The nomenclature of the Certificate/Diploma/Degree will be as under:
 - (a) UG Certificate in Arts or UG Certificate in Physical Sciences or UG Certificate in Life Sciences
 - (b) UG Diploma in Arts with major in <Major Subject> or UG Diploma in Physical Sciences with major in <Major Subject> or UG Diploma in Life Sciences with major in <Major Subject>
 - (c) Bachelor of Arts with Major in <Major Subject>
OR
Bachelor of Science in Physical Sciences with Major in <Major Subject>
OR
Bachelor of Science in Life Sciences with Major in <Major Subject>
 - (d) Bachelor of Arts (Hons.) in <Major Subject>
OR
Bachelor of Arts (Hons. with Research) in <Major Subject>
OR
Bachelor of Science (Hons.) in <Major Subject>
OR
Bachelor of Science (Hons. with Research) in <Major Subject>

2. Key Terms

- (i) **Learning Outcome based Curriculum Framework (LOCF):** The learning outcomes of the programme (POs) are mapped against well-defined Course Outcomes (COs).
- (ii) **Choice Based Credit System (CBCS):** The CBCS provides choices to students to select disciplinary and interdisciplinary courses to fit into their own requirements and to learn at their own pace within the framework.
- (iii) **Programme:** A programme is made up of courses/subjects and leads to the award of a Certificate or Diploma or Degree after completing requisite courses successfully.
- (iv) **Course/Subject:** A course/subject refers to components of a programme. A course/subject may comprise of lectures/tutorials/practicum or laboratory work/field practice/project work/seminar/community engagement and service/internship/dissertation, etc. or any combination of these.
- (v) **Credit:** A unit by which the course work is measured. It determines the number of hours of instructions required per week over the duration of one semester. For calculation of the teaching hours, one credit means one hour of lecture or one hour of tutorial or one hour of seminar or two hours of practicum/laboratory work per week over the duration of a semester.
- (vi) **Lecture:** Component of a course/subject which is taught by a teacher through lectures covering the contents of a course/subject.
- (vii) **Tutorial:** Component of a course/subject which involves problem-solving, learning through discussions and remedial teaching related to the contents and periphery of a course/subject with the direct involvement of a teacher.
- (viii) **Practicum:** A course/subject or a component of a course/subject which enables students to learn or to attain skills or to get procedural knowledge for the contents of a course/subject through practical/laboratory activity/project and to apply the studied principles/theory/ concepts related to the chosen field of learning, work/vocation, or professional practice in the field of learning, under the supervision of a teacher.
- (ix) **Seminar:** A course/subject or a component of a course/subject which makes students to learn a specific topic through in-depth exploration and analysis of facts about the topic in a set-up that involves presentation, interactive discussions and collaborative learning under the supervision of a teacher.
- (x) **Internship:** A course/subject requiring students to participate in professional employment-related activity or work experience or co-operative education activity with an entity external to the educational institution normally under the supervision of an employee of an organization or an individual professional. A key aspect of the internship is induction into actual, formal and organized work situations. Internship involves working with local industry (Government or Private organizations), business establishments, artists, craft persons, etc. to provide opportunities for students to actively engage in on-site experiential learning.
- (xi) **Studio Activity:** A studio activity involves engagement of students in creative, artistic or experimental activities involving visual, digital, audio, video and other professional experiential work.
- (xii) **Field Work/Practice/Survey/Project:** A course/subject or a component of course/subject which enables students to participate in field-based learning/project, involving application of knowledge in solving/analyzing/exploring a real-life situation/problem under the supervision of a teacher/mentor.
- (xiii) **Project Work:** A course/subject or a component of a course/subject which facilitates students to apply their knowledge, skills and critical thinking ability to complete a specific task in a given time frame through conceptualization,

exploration and analysis of research-based activities to suggest tangible solutions for a given problem related to the chosen field of learning.

(xiv) **Dissertation:** Dissertation is a comprehensive report of the work done in a research project/field work/survey, based on a systematic and rigorous investigation of the chosen topic utilizing research methods.

(xv) **Community Engagement and Service:** A course/subject or a component of a course/subject which exposes the students to the socio-economic issues prevailing in society so that the theoretical learning can be supplemented by actual life experiences to understand and generate solutions to real-life problems.

3. Courses

(i) **Discipline Specific Courses (DSC):** A major course/subject as discipline specific course is the field in which a student focuses for understanding and skills majorly in the chosen field of learning contributing to the core of the programme. This may include Core, Elective and Skill-enhancement courses.

(ii) **Minor Courses (MIC):** Minor course/subject aims to expand student's knowledge beyond the major field of study. This will also include **Vocational Course (VOC)** that will assist student in developing work-force relevant skills through practical work and enhances the employability of student.

(iii) **Multidisciplinary Courses (MDC):** These courses are based on introductory knowledge in a subject. A student will study MDC in a subject other than the discipline of Discipline Specific and Minor subjects/courses to gain knowledge across the disciplines.

(iv) **Ability Enhancement Courses (AEC):** These courses aim at enabling the students to achieve competency in the English language or Modern Indian Languages (MIL) with special emphasis on language and communication skills.

(v) **Skill Enhancement Courses (SEC):** These courses aim at imparting practical skills, hands-on training, soft skills, etc. to enhance the employability of students.

(vi) **Value-Added Courses (VAC):** These courses aim at enabling the students to acquire and demonstrate the acquisition of knowledge and understanding of human values, Indian Knowledge System (IKS), contemporary India, environmental science and education, digital and technical solutions, health and wellness, yoga education, sports and fitness, etc.

4 Evaluation terms

(i) **Letter Grade:** It is an index of the performance of a student in a course. Grades are denoted by letters O, A+, A, B+, B, C, P, F and Ab depending on the score earned in that course.

(ii) **Grade Point:** It is a numerical value allotted to each letter grade on a 10-point scale.

(iii) **Credit Point:** It is the product of grade point and number of credits for a course.

(iv) **Semester Grade Point Average (SGPA):** It is a measure of performance of a student in a semester. It is the ratio of total credit points secured by a student in all the courses registered in a semester to the total of the credits of the courses taken during that semester. It shall be expressed up to two digits after decimal place.

(v) **Cumulative Grade Point Average (CGPA):** It is a measure of overall cumulative performance of a student in a programme over all the semesters. The CGPA is the ratio of total credit points secured by a student in all the courses of the programme to the sum of the total credits of all the courses of the programme. It is expressed up to two digits after decimal place.

(vi) **Detailed-Grade-Certificate:** Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The Detailed-Grade-

Certificate (DGC) will display the course details (code, title, number of credits, grade secured) along with SGPA of that semester.

5 Academic Bank of Credits (ABC): It is a virtual/digital mechanism that contains information of the credits earned by individual students throughout their learning journey in Higher Education Institutions in India recognized by UGC. The Automated Permanent Academic Account Registry (APAAR) ID is also being introduced as a pivotal component. The APAAR ID serves as a lifelong academic passport, consolidating all achievements and credential of a student in one place. This will help enabling student mobility across higher education institution.

6 Programme Duration and Multiple Exit Options

All programmes shall be offered as per UGC list of 'Specification of Degree' prevailing from time to time. The programme duration and options for multiple entry and exit will be as per UG Curriculum Framework- Scheme-B (*Appendix-I; Table-1*).

- (i) A student will be allowed an exit option after passing first academic year of the UG Programme with requisite 52 credits including the 4 credits of internship of 4 weeks duration as per scheme of the programme and will be awarded an Undergraduate Certificate in the discipline (Arts/Physical Sciences/Life Sciences/etc.) (*Appendix-I; Table-2*).
- (ii) A student will be allowed an exit option after passing two academic years of the UG Programme with requisite 100 credits including the 4 credits of internship of duration 4 weeks duration as per scheme of the programme and will be awarded Undergraduate Diploma in the discipline with a major Subject. (*Appendix-I; Table-2*).
- (iii) A student will be awarded with Bachelor degree in a discipline with Major Subject after successfully completing three academic years of UG Programme and earning requisite 136 credits including the 4 credits of internship of 4 weeks duration as per scheme of the programme (*Appendix-I; Table-2*).
- (iv) A student, who has successfully completed three years UG Programme (Single Major from Third Semester) and has earned minimum 60 credits in the Major subject, can opt for Honours Programme in that subject in the fourth year. If a Department/College/Institute allows to continue the student or admits the student for fourth year of Honours Programme, then the student will be awarded with Bachelor degree (Honours) in the Major subject after successfully completing four academic years of UG Programme and earning requisite 184 credits including the 4 credits of internship of duration 4 weeks as per scheme of the programme (*Appendix-I; Table-2*).

Further, provided that a Department/College/Institute will be able to admit students for Honours Programme if the institution has got the approval for the same from the University after obtaining approval from Department of Higher Education (DHE), Government of Haryana, wherever applicable.

- (v) A student, who has successfully completed three years UG Programme (Single Major from Third Semester) and has earned minimum 60 credits in the major subject and obtained CGPA of 7.5 or more, can opt for Honours with Research Degree Programme in that subject in the fourth year. If a student opts to continue or is admitted by a eligible Department/College/Institute to Honours with Research Programme in the fourth year, then the student will be awarded with Bachelor Degree (Honours with Research) in the Major subject after successfully completing four academic years of UG Programme and earning requisite 184 credits including the 4 credits of internship of duration 4 weeks and 12 credit of Project/Dissertation as per scheme of the programme (*Appendix-I; Table-2*).

Further, provided that a Department/College/Institute will be able to admit students for Honours with Research Programme only if the institution has got the approval for the same from the University after obtaining approval from Department of Higher Education (DHE), Government of Haryana, wherever applicable.

7 Admission to a UG Programme under Multiple Entry

- (i) The Department/College/Institute shall declare approved total number of seats available discipline-wise each year for fresh and lateral admissions.
- (ii) The Department/College/Institute can plan the number of seats discipline-wise in consonance with the faculty and infrastructure available.
- (iii) A student can pursue two Undergraduate Programme simultaneously through Open and Distance Learning (ODL)/online mode; or combinations of ODL, online and regular modes, from the same or different Universities/Institutions duly approved by the UGC/AICTE/Regulatory Body/Central Government/State Government, in various combinations, viz.
 - A student can pursue two full-time UG Programme in physical mode provided that in such cases, class timings and examination schedule for one programme do not overlap with the class timings and examination schedule of the other programme, and requirements under clause 7 (iv) are fulfilled.
 - A student can pursue two UG Programme, one in full-time physical mode and another in ODL/online mode; or up to two ODL/online programmes simultaneously.

The Department/College/Institute and the University shall not be responsible for any such overlapping and consequences thereof.

Minimum Eligibility Conditions for Admission

A candidate who has passed Senior Secondary Certificate Examination (Class XII level) of the Board of School Education, Haryana; or any other examination recognized as equivalent thereto with minimum passing marks in aggregate with English as one of the subjects, shall be eligible to join First Semester of the Undergraduate (UG) Programme. In addition, the following conditions, if applicable should also be satisfied:

- to opt for Mathematics as a DSC, the candidate must have passed Mathematics as a subject in the qualifying examination.
- to opt for Chemistry as a DSC, the candidate must have passed Chemistry as a subject in the qualifying examination.
- to opt for Physics as a DSC, the candidate must have passed Physics as a subject in the qualifying examination
- to opt for subject(s) in the discipline of Life Sciences, which consists of Botany, Zoology as a one or more than one subject(s), then the candidate must have passed Class XII with Biology as a subject.
- to opt for subjects of Physical Sciences discipline as Major subject(s), the candidate must have passed respective subjects in the qualifying examination.

Further, eligibility conditions for admission to a programme shall be applicable as mentioned in the scheme of the concerned programme.

A candidate having 2-Year Diploma from ITI or 3-Year Diploma from Polytechnic of minimum 2 years duration qualified with Hindi Core/English as one subject or as an additional subject at Class XII level is also eligible for seeking admission in First Semester of the UG Programme in Arts discipline or in the disciplines wherever mentioned so.

Note: Eligibility conditions are subject to change according to the implementation of National Curriculum Framework (NCrF) for school education or in accordance with any such guidelines issued by the Central/State Government or issued by University from time to time.

(v) A student who has been placed under compartment or allowed to re-appear in one subject only in Senior Secondary Certificate Examination (Class XII level) of the Board of School Education, Haryana, or equivalent examination of another University/Board may be allowed to study provisionally for the First Semester of the UG programme. Such student shall pass the compartment/re-appear subject before commencement of the examination of 1st semester of the concerned UG Programme. If a student does not clear the compartment/re-appear subject before the commencement of the 1st semester examination, her/his provisional admission to concerned UG Programme shall be cancelled ab initio by the Chairperson/Principal/Director with intimation to the University. However, the Vice-Chancellor may relax this condition, in exceptional cases at own level or on the recommendations of a committee constituted by the Vice-Chancellor.

For such students, the required percentage of marks for admission shall be determined by considering the minimum pass marks in compartment/re-appear subject.

(vi) The student opting for exit must inform in writing to the Department/College/Institute by 30th June of every year. The student is allowed multiple entry into a UG Programme. For example, the student can re-enter into second year of a programme if she/he has taken an exit option after first year. Similarly, re-entry into the third year is allowed if exit option was exercised by a student after getting UG Diploma. In any case, the gap between the exit and the re-entry into the UG Programme should not be more than three years subject to completion of the whole UG Programme within seven years. Multiple entry shall be allowed in a Department/College/Institute subject to the availability of seats in the concerned programme in that year in that Department/College/Institute. In case of re-entry, the scheme and syllabus currently running will be applicable.

(vii) Lateral admissions against sanctioned vacant seats may be made by a Department/College/Institute category wise following the State Govt. norms for reservation in an odd semester. Lateral admission may be provided in the 3rd and 5th semesters if a student has passed all the preceding examinations up to 2nd and 4th semester, respectively of the concerned programme under NEP Curriculum Framework. However, this will be subject to fulfilment of other eligibility conditions for the programme in which the admission is sought.

First preference in the lateral admission will be given to the students of that Department/College/Institute who had taken exit from that programme and are seeking re-entry into the same institution, for this a cut-off-date will be notified by Department/College/Institute.

8 Subjects and Courses of UG Programmes

(i) A student of UG Programme (Multidisciplinary, Single Major from Third Semester), herein after called Scheme-B, will select three subjects A, B and C in the first year out of the pool of subjects in that discipline offered by the Department/College/Institute as Discipline Specific Subjects/Courses. Minor subject/course is to be offered preferably from the same discipline and will be different from three subjects/courses which are opted as Discipline Specific Subjects/Courses. Any subject/course in a discipline can be a Discipline Specific or Minor subject/course for a UG programme. In case of Physical Sciences and Life Sciences disciplines, if the Minor Subject/course cannot be offered from the same discipline by a Department/College/Institute, then the Discipline Specific Subject/course may be offered from either of the two disciplines. For Example, if a Department/College/Institute is unable to offer a Minor subject/course from the discipline of Life Sciences, other than three subjects Botany, Zoology and Chemistry which have been offered as three Major subjects/courses, then Department/College/Institute can offer any subject/course from the discipline of Physical Sciences as a Minor Subject or vice-versa.

(ii) A student will study Discipline Specific, Minor, Minor (Vocational), AEC, VAC, SEC and MDC courses as per Curriculum Framework Scheme-B (*Appendix-I; Table 1*).

(iii) For 1st and 2nd semester of UG Programme (Multidisciplinary, Single Major from Third Semester) (Scheme-B), a student can choose a Minor Course of 2 credit from the pool of Minor subjects/course from that discipline as offered by the Department/College/Institute in that semester. The same minor subject be studied in subsequent semesters.

From 3rd semester onwards, a Minor Course will be of 4 credits and will be taken from the pool of the offered Minor Courses of that subject which was chosen in the first and second semesters.

(iv) A student will study three Multidisciplinary Courses (MDCs) in first three semesters. The Multidisciplinary Courses (MDCs) will be from the subject which is different from the Discipline Specific and Minor subjects/courses. Students are not allowed to choose or repeat courses already undergone at the Senior Secondary Level (Class XII) or Discipline Specific and Minor subjects/courses under this category. Provided further that if a Multidisciplinary Course (MDC) across the discipline cannot be offered by a Department/College/Institute, due to its constraints and available resources, then

- A subject from the same discipline can be offered as MDC course if that subject also belongs to the list of subjects of some other discipline.
- MDC can be opted out of MOOCs through SWAYAM.
- MDC can be completed out of online courses offered by GJUST.
- MDC can be completed from a cluster college i.e., from a neighbouring College/Institute.

Note: The student himself/herself has to pay the requisite fee and/or re-appear fee as applicable from time to time. Department/College/Institute shall not be responsible for any issue(s) related to MOOCs, online course(s) and from cluster college or else.

(v) A student will select AEC, SEC, VAC and Minor (Vocational) courses from a pool of respective courses offered in Department/College/Institute.

Depending upon the availability of faculty and infrastructure, a Department/College/Institute may offer AEC, SEC, VAC and Minor (Vocational) courses from the respective pool of courses duly approved by the University. University will revise such pools from time to time by taking proposals of Department/College/Institute into consideration.

- (vi) A student will study VAC- 'Environmental Studies' which is mandatory and at least one SEC to gain computer competency before exit. The number of these courses will be offered by the Department/College/Institute according to the availability of faculty and infrastructure.
- (vii) In the subjects/courses which involve practicum, i.e., Practical/Laboratory/Studio/Project/ Survey/Field work, etc., a course of 4 credits will dedicate 3 credits for lectures and one credit for practicum or 4 credits for lectures. In other subjects/courses not having practicum component, a course of 4 credits will dedicate 3 credits for lectures and 1 credit for tutorial or 4 credits for lectures.
During 4th year, if the practicum course is offered as a separate course in that subject, all the credits will be dedicated to practicum.
In the case, when tutorial of 1 credit is not adopted/implemented in a subject, then all the credits of that course will be dedicated to lectures only.
- (viii) In case of AEC and VAC of 2 credits, the entire 2 credits will be allocated to lectures.
- (ix) In the SEC courses of 3 credit, 2 credit will be allocated to lectures and 1 credit to practicum.
- (x) In case of Minor (Vocational) courses/subjects, where practicum component is dominant, a course of 4 credits may allocate 2 credits to lectures and 2 credits to practicum. Similarly, a course of 4 credits may be divided into 2 credits of lectures and 2 credits of practicum in the subjects where the practicum component of the course is major and teaching-learning process mainly depends upon practicum, e.g. Music and Fine Arts.

9 Contact hours/workload

The weekly contact hours/workload for theory/practical/laboratory/studio/project/survey/field work, etc. components of the courses will be:

- (i) 1 credit theory/tutorial = 1 hour;
- (ii) 1 credit practical/laboratory/studio/project/survey/field work = 2 hours.
- (iii) The tutorial and practical/laboratory/studio/project/survey/field work will be conducted in groups of students and one group will comprise of 20 students.

10 Exit option

When a student decides to continue for the second year and neither opt exit option after the second semester nor opt Scheme-A but decides to shift to UG programme with single major subject (Scheme-B) has to select one major out of the three Discipline Specific/Major undertaken in the first semester. The credits earned by the student in other two Major subjects will contribute towards credits of Minor courses.

11 Online Courses

With the permission of Department/College/Institute, a student can opt for online courses (at own level), up to 40% of the courses of the programme except Discipline Specific Courses and Skill Enhancement courses, through online platform SWAYAM or online courses offered by GJUST, Hisar or through other such online platforms approved by the UGC as per university guidelines prevailing time to time.

12 Internship

Every student for the UG Programme shall be required to undergo 4 credits internship of 4 weeks duration before taking an exit or completing the degree programme.

- (i) A student for the UG Programme shall be required to undergo internship during summer vacation either after the second semester examination or after the fourth semester examination. If she/he opts to exit with Undergraduate Certificate in the discipline, then it shall be obligatory to complete the internship after second semester examination.

However, for those students who have taken lateral entry into the third semester and have completed internship of 4 weeks duration during first year, the internship is not required after the fourth semester examination.

- (ii) A student will inform and get approval from the Chairperson/Principal/Director of the Department/College/Institute before going for an internship. The internship will involve working with local industry (Government or Private organizations/ Institutions), business establishments, artists, craft persons, or a professional (individual/organization). Student will submit a copy of the report (a hard copy and a soft copy in PDF) to the Department/College/Institute within 15 days after the completion of internship. A student must submit a certificate of attendance and work done report from the organization/professional where the internship was done. The evaluation of the internship shall be done by a committee comprising of at least two senior teachers appointed by the Principal/Director of the College/Institute. Marks will be awarded by the committee out of 100 marks on the basis of the report and viva-voce examination.
- (iii) The internship will be governed by the prevailing rules of the University from time to time.

13. Project/Dissertation

A student of fourth-year Bachelor Degree (Honours with Research) programme will be required to work on the Research Project or do research during eighth semester. The Project/Dissertation work will be of 12 credits.

- (i) A student, who has been admitted in a Honours with Research programme, shall submit a request for allotment of supervisor mentioning her/his research areas of interest in order of preference to the Chairperson/Director/ Principal during seventh semester. The Department/College/Institute shall allot a qualified supervisor to guide the student for doing research during Project/Dissertation work. A regular full-time teacher of that Department/College/Institute, who has been approved to supervise Ph.D. scholars by the university, will be eligible to guide the students of Honours with Research Programme of that institution.
- (ii) The student will submit the synopsis to the supervisor. In case of University Teaching Department, the synopsis will be approved by the Departmental Research Advisory Committee after recommendation of the supervisor. In other cases, a Principal/Director of a College/Institute shall constitute a committee at the College/Institute level. External experts may be involved wherever sufficient qualified regular teachers are not available.
- (iii) The student shall be required to submit three hard copies of her/his dissertation along with soft copy as PDF file to the Department/Institute/College by 30th June

of the concerned year. The late submission can be allowed with late fees as decided by the university from time to time.

(iv) The Anti-plagiarism policy of the university is to be strictly followed by the candidate and the supervisor. Similarity report as per anti-plagiarism policy of the university is to be annexed with the dissertation.

(v) Evaluation of the dissertation shall be done by an external examiner. The dissertation work will be of total 12 credits (300 marks) and evaluation will be done in two components; report of dissertation (200 marks) and open viva-voce examination (100 marks).

14 Medium of Instructions and Examination

(i) For Arts/Home Science subjects etc., the medium of instructions shall be Hindi/English. The question paper shall be set in both English and Hindi, wherever feasible and approved by the university, except in the case of

- English, in which the questions shall be set in English.
- Sanskrit, in which the questions shall be set in Sanskrit/Hindi.
- Other languages, in which the questions shall be set in the language concerned.

(ii) The students shall write their answers:

- in English, in case of English language
- in the language concerned, in the case of Modern Indian Languages
- English/Hindi in the case of other subjects.

(iii) For Physical Sciences/Life Sciences Subjects/Courses, the medium of instructions shall be mainly English. Hindi medium may be offered wherever feasible and approved by the university. The question paper shall be set in English. Bilingual question paper (s) will be provided, wherever feasible and approved by the university. The students can write their answers in English/Hindi.

15 Programme and Course Learning Outcomes

Individual programmes of study will have well defined learning **Programme Outcomes (POs)** which should be attained for the award of a specific Certificate/Diploma/Degree.

Each course will have well defined learning **Course Outcomes (COs)** specific to the learning for a given course of study related to a disciplinary or interdisciplinary/multi-disciplinary area. Course Outcomes (COs) will be mapped to Programme Outcomes (POs). The attainment of Course Outcomes will lead to the attainment of the Programme Outcomes

16 Assessment and Evaluation

(i) Student Progression and Mentoring

Each student shall be examined in the course(s) to check their progression through the programme as laid down in the scheme, syllabus and learning outcomes through a system of Continuous Comprehensive Assessment (CCA) using a mix of Internal and End-Term evaluation.

- Internal Assessment will be broadly 30% of the total marks and weightage of 70% shall be given to evaluation of End-Term examination(s).

- Internal Assessment (30%) shall be broadly based on the following defined components: Class Participation; Seminar/Presentation/Assignment/Quiz/Class Test, etc. in case of Theory examination and Seminar/Demonstration/Viva-Voce/Lab record, etc. in case of Practical examination; Mid-Term Exam.
- Internal Assessment Marks will be further distributed as per following tables:

Course Composition- Theory/(Theory + Tutorial)			
Course Credit	Internal	End-Term Exam	Total Marks
2	15	35	50
3	25	50	75
4	30	70	100

Course Composition- Theory + Practical						
Course Credit		Theory		Practical		Total Marks
Theory	Practical	Internal Marks	External Marks	Internal Marks	External Marks	
1	1	10	20	5	15	50
2	1	15	35	10	15	75
3	1	20	50	10	20	100
2	2	15	35	15	35	100
0	4	-	-	30	70	100

Total Internal Marks (Theory)	Class participation	Seminar/Presentation/Assignment/Quiz/Class Test, etc.	Mid-term exam
10	4	-	6
15	4	4	7
20	5	5	10
25	5	7	13
30	5	10	15

Total Internal Marks (Practicum)	Class participation	Seminar/Presentation/Assignment/Quiz/Class Test, etc.	Mid-term exam
5	-	5	-
10	-	10	-
15	5	10	-
30	5	10	15

- A student has to obtain minimum 40% marks (Grade 'P') in aggregate (sum of the Internal Assessment and End-Term Examination marks) and in End-Term Examination separately to qualify a course.
- (ii) The pass percentage will be 40% (Grade 'P') both for theory and practicum End-Term Examination. For Project/Dissertation work also, the pass percentage will remain 40%.
- (iii) The Chairperson/Principal/Director shall ensure uploading of the Internal Assessment marks at least one week before the commencement of the End-Term Semester Examinations on the examination portal of the university as notified by the Controller of Examinations.

- (iv) Internal Assessment marks of a course shall be carried forward in case of re-appear examination of that course.
- (v) The Chairperson/Principal//Director shall preserve the record on the basis of which the Internal Assessment awards have been prepared, for inspection, if needed by the university for year from the date of declaration of semester examination results.

17 Eligibility for Examination

End-Term Examination shall be open to a regular student who

- (i) has been on the rolls of the Department/College/Institute during the semester.
- (ii) has passed the requisite qualifying examination as laid down in Clause 7 (iv) above, if she/he is a candidate for the First Semester Examination.
- (iii) has her/his examination form submitted to the Examinations Branch through the Chairperson/Principal/Director of the concerned Department/College /Institute.
- (iv) has attended not less than 75% of the lectures in a course. This requirement shall be fulfilled separately for each course of the programme. A deficiency in the prescribed course (Lectures/Practicum, etc.) may be condoned by the Chairperson/Principal/ Director of the Department/College/Institute in deserving cases up to 15% (excluding 2% additional for Girl/Women student).
- (v) These shall also include loss of attendance due to participation in the cultural and sports assignments, etc. Provided that, a student who participates in the Inter-University Tournaments or Inter University Youth festivals or Republic Day Parade may be allowed additional condonation on this ground up to 10% in each paper on a certificate from the Dean/Director, Sports/Youth Welfare/Cultural Affairs, Placement Cell, NSS, ANO, NCC as the case may be, subject to the condition that such a student shall not be allowed to appear in the examination if his/her attendance, after condonation on all counts, falls below 50%.
- (i) Provided that a candidate who has not attended the requisite percentage of lectures/practicum shall not be eligible to take the End-Term Examination in the concerned theory/practicum unless she/he repeats the course and obtains requisite attendance.

18 Duration for Passing the Programme

- (i) A student can complete a Bachelor degree programme within seven years. A student who fails to pass the whole examination(s) of a UG programme within seven years of admission to the programme, shall be awarded Undergraduate Certificate/Diploma on the basis of qualified courses as per credit point, if eligible (Appendix-I; Table 2).
- (ii) Each student will have to open an Academic Bank of Credit (ABC) account at the time of admission. At the end of each semester, credits earned by the students will be uploaded in her/his respective ABC account. A student registered in ABC account for a programme will be allowed to complete the respective programme within 7 years or as per the time period stipulated in the ABC for accumulation of credits from time to time or within the period as prescribed by the university for the purpose.

19 Conditions for Promotion to Higher Semester and Rules for Re-appear

- (i) A student who has appeared and failed in one or more courses of the First Semester shall be allowed to study for and appear in the second semester. Such a student may pursue her/his studies for the next higher semester(s) and appear in

the examination(s) for the same along with the examination for the lower semester(s) or as notified by the university.

(ii) A candidate who has attended the prescribed classes of a course(s) of a programme in the Department/College/Institute in a semester and was eligible but did not appear in the End-Term examination or has appeared but fails, may be allowed on the recommendation of the Chairperson/Principal/Director of the Department/College/Institute to appear/re-appear as an ex-student in the End-Term examinations of that course(s) as the case may be, in the subsequent semesters examination up to two times when such examination(s) are held without attending the course(s) again. While re-appearing in the examination, the student shall be exempted from appearing in the course(s)/practical(s) in which she/he has obtained passing marks.

Provided that after completion of regular studies for the whole duration of a programme, the candidate will be allowed to appear in examination as an ex-student for the re-appear/left out courses under the permissible chances, within the prescribed time period.

(iii) A candidate who could not complete or has failed in a project/internship, she/he will get only one chance to repeat the project work/intership at the end of the next Semester. Further, if the candidate still fails or remains absent in the project/internship, then she/he will not be eligible for the award of the concerned UG Certificate/Diploma/Degree.

20 Examinations and Result

(i) End-Term Examinations for the odd semesters shall ordinarily be held in November/December and for the even semesters in May/June, on such dates as may be notified by the Controller of Examinations from time to time.

(ii) Supplementary examinations will be held for Re-appear candidates as under:

Semester	When held
Odd Semester	Along with the First, Third and Fifth Semester
Even Semester	Along with the Second, Fourth and Sixth Semester

(iii) The last date(s) by which the examination forms shall be uploaded on the examination portal shall be as per the schedule notified by the Controller of Examinations from time to time.

(iv) The amount of examination fee to be paid by a student for each semester shall be as prescribed by the University from time to time.

(v) The minimum Semester Grade Point Average (SGPA) to qualify a semester shall be 4.00 and minimum Cumulative Grade Point Average (CGPA) required for the award of the UG Certificate/Diploma/Degree shall be 4.00.

(vi) The Examination Branch shall prepare the Grade/Result and the Controller of Examinations will notify the same within the stipulated time.

(vii) If a student is not able to pass any semester examination during her/his regular studies in the programme, her/his pass credits will be accumulated in the Academic Bank of Credits (ABC) and she/he can pass the deficient courses any time within seven years or as stipulated in the Academic Bank of Credits from time to time.

(viii) A student who discontinues her/his studies at any point of time may be permitted to re-join the programme of study and complete balance credits as per Clause 7 (iv).

(ix) Award of Grades

Award of grades and the corresponding grade points will be based on absolute marks as per the following table:

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

- The multiplication factor for conversion from SGPA/CGPA to equivalent percentage of marks shall be 10.
- A candidate eligible to take the examination obtaining Grade 'F'/'Ab' will be considered to have failed in the examination/course(s). Such a student will be required to re-appear in that examination/course(s) within the permissible chances.

21 Computation of SGPA and CGPA

The following shall be the procedure to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

(i) The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a candidate in all the courses taken by the candidate in a semester to the sum of the number of credits of all the courses undertaken by the candidate in that semester, i.e.

$$SGPA (Sj) = \frac{\sum(Ci \cdot Gi)}{\sum Ci}$$

where C_i is the number of credits of the i^{th} course and G_i is the grade point scored by the student in the i^{th} course in the j^{th} semester.

(ii) The 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.

$$CGPA (Sj) = \frac{\sum(Nj \cdot Sj)}{\sum Nj}$$

where S_j is the SGPA of the j^{th} semester and N_j is the total number of credits in that semester.

(iii) The SGPA and CGPA shall be rounded off to 2 digits after decimal place and shall be reported in the Detail-Grade-Certificate (DGC).

A merit list will be prepared for a programme and Gold Medal will be awarded to a candidate securing highest CGPA provided the candidate must have passed all the semester examinations in the first attempt and within minimum duration of the programme. In case,

when more than one student have the same CGPA, then Gold Medal shall be decided on the basis of actual obtained marks in the programme.

22 Improvement

- (i) A candidate who has passed a UG Programme from GJUST, Hisar and is desirous of improving her/his CGPA in the respective programme (Certificate/Diploma/Degree), will be allowed to appear within next four Semester examinations of passing the sixth semester examination to appear as an ex-student in one or more theory course(s) of any one or two parts, out of Part-I (Semester I & II), Part-II (Semester III & IV), Part-III (Semester V & VI) and Part-IV (Semester VII & VIII) separately in four consecutive semester examinations and shall pay examination fee as for the whole semester examination in which she/he opts to appear.
- (ii) The result of improvement examinations shall be declared only if a candidate improves her/his CGPA of the respective programme. Provided further that if a student does not want to avail the remaining chances out of permissible four total chances for improvement, then she/he will submit an undertaking to this effect for declaration of her/his final result. The fact that student has improved the performance/grade shall be mentioned in the Detailed-Grade-Certificate of the candidate.
- (iii) Improvement shall not be allowed in Internal Assessment/Practical/Internship/Field Work/Project/Seminar/Studio etc.

The rules, syllabus and fees for improvement examinations shall be applicable as prevailing at that time or as prescribed by the university from time to time.

23 Award of Grace Marks

Grace marks will be awarded according to the university rules prevailing from time to time.

24 The ordinance in force at the time a student joins the programme shall hold good only for the examination held during or at the end of that academic year and nothing in this ordinance shall be deemed to debar the university from amending the ordinance and the amended ordinance, if any, shall apply to all the students whether old or new.

25 Notwithstanding anything mentioned above, the Vice-Chancellor can relax any rule in exceptional cases or when situation demands so.

26 Transitory Provision

Students admitted to UG Programmes under semester system in Department/College/Institute prior to the academic session 2024-25 shall be governed by the old rules as applicable for that programme for that session. The present rules shall be applicable to the students who take admission in a programme according to Curriculum and Credit Framework for UG Programme (CCFUGP) as per NEP-2020 w.e.f. the academic session 2024-25.

Table I: UG Programme (Multidisciplinary, Single Major from Third Semester): Scheme-B

Appendix-I

Semester	Discipline Specific Courses (DSC)		Minor/ Vocational Courses (MIC)	Multidisciplinary Courses (MDC)	Ability Enhancement Course (AEC)	Skill Enhancement Course (SEC)	Value Added Courses (VAC)	Total credits	Exit option
I	DSC-A1 4 credits	DSC-B1 4 credits	DSC-C1 2 credits	MIC-1 2 credits	MDC-1 2 credits	AEC-1 2 credits	SEC-1 3 credits	VAC-1 2 credits	24
II	DSC-A2 4 credits	DSC-B2 4 credits	DSC-C2 2 credits	MIC-2 3 credits	MDC-2 2 credits	AEC-2 2 credits	SEC-2 3 credits	VAC-2 2 credits	24
Internship of 4 credits of 4 weeks duration after 2nd semester									
Internship of 4 credits of 4 weeks duration after 4th semester (if not done after 2nd semester)									
V	DSC-A10 4 credits	DSC-A12(E) 4 credits	DSC-A13(E) 4 credits			Internship# 4 credits		20	Bachelor with Major in (Subject) after earning 136 Credits
VI	DSC-A14 4 credits	DSC-A16(E) 4 credits	DSC-A17(P) 4 credits	MIC-5 (V) 4 credits				20	
	68 credits			32 credits*	9 credits	8 credits	9 credits + Internship 4 credits	6 credits	136

*16 credits earned in two subjects studied in first year, other than Major Subject opted in second year will be taken in to account as credits of Minor.
#Four credits of internship, earned by a student during summer internship after 2nd semester or 4th semester, will be taken into account in 5th semester of a student who pursue 3 years UG Programme without taking exit option.

Fourth year (Honours programme)

Semester	Discipline Specific Courses			Minor Courses	Total credits	Degree to be awarded
	Core	Elective	Practicum			
VII	DSC-H1 4 credits	DSC- H1/H2/H3 (E) 4 credits	DSC-H1/H2/H3 (P) 4 credits	MIC-7 4 credits	24	Bachelor (Honours) in Major subject with 184 Credits
	DSC-H2 4 credits					
	DSC-H3 4 credits					
VIII	DSC-H4 4 credits	DSC-H4/H5/H6H3 (E) 4 credits	DSC-H4/H5/H6 (P) 4 credits	MIC-8 4 credits	24	
	DSC-H5 4 credits					
	DSC-H6 4 credits					
OR						
VII	DSC-H1 4 credits	DSC- H1/H2/H3 (E) 4 credits	DSC-H1/H2/H3 (P) 4 credits	MIC-7 4 credits	24	Bachelor (Honours with Research) in Major subject with 184 Credits
	DSC-H2 4 credits					
	DSC-H3 4 credits					
VIII	DSC-H4 4 credits		Project/Dissertation 12 credits	MIC-8 4 credits	24	
	DSC-H5 4 credits					

Table 2: Credit Point Table for 4-year UG Programme (Single Major from first semester): Scheme-B

Appendix-I

Sr. No.	Courses	First year	Second year	Third year	Credits earned after	Fourth year
1	Discipline Specific Course (DSC)	24	36	68	108	96
2	Minor Course (MIC)	4	28	32	40	40
3	Multidisciplinary Courses (MDC)	6	9	9	9	9
4	Ability Enhancement Courses (AEC)	4	8	8	8	8
5	Skill Enhancement Courses (SEC)	6	9	9	9	9
6	Value Added Courses (VAC)	4	6	6	6	6
7	Internship	4*	4*	4	4	4
8	Research				12	
Total		52	100	136	184	184
		*added in case of exit from programme				

Notes for Tables:

- Skill Enhancement Courses (SEC); Ability Enhancement Courses (AEC); Value Added Courses (VAC); Multidisciplinary Courses (MDC), Minor Course (MIC), Minor Course (Vocational) [MIC(V)], Discipline Specific Courses [Core courses, Elective courses, Practicum Courses].
- A student of UG Programme (Scheme-B) will select 3 Major subjects in the first year out of the pool of subjects in that discipline offered by the Department/College/Institute. In the second year, the student will select one major subject out of these 3 subjects to shift to UG Programme (Single Major).
- For 1st and 2nd semester of UG Programme (Scheme-B), a student can choose a Minor course of 2 credit from the pool of Minor courses offered by the Department/College/Institute in that semester.
- A student will study AEC, VAC, SEC, MDC and Minor (Vocational) Courses from the respective pools of the courses offered by Department/College/Institute duly approved by the University.
- A student will opt for MDC course from the subject which is different from the discipline of major subjects and should also be different from the courses undergone at senior secondary level (Class XII).
- 4-year UG (Honours) or (Honours with Research) in Major Subject will be offered after completion of 3-Year UG programme (Single Major) to those students who have completed at least 60 credits in the concerned Major Subject. In addition to the above, 4-Year UG (Honours with Research) in Major Subject will be offered only to those students who have obtained CGPA 7.5 or more in the 3-Year UG programme.
- In addition to the defined practicum courses, the practicum courses may include seminar or other activities as recommended by the concerned Board of Studies in case of Non-Practicum subjects. The Practicum course may be replaced by a theory course wherever Board of Studies decides so.



**Guru Jambheshwar University of Science and
Technology**
Hisar-125001, Haryana
("A+" NAAC Accredited State Govt. University)



**Ordinance governing UG Programme (Single Major
from First Semester) as per National Education Policy-2020**

SCHEME C

**[UG Certificate, UG Diploma and Bachelor Degree, Bachelor Degree (Hons.), Bachelor
Degree (Hons. with Research)]**

SEMESTER SYSTEM

**Under Learning Outcome Based Curriculum Framework-Choice Based Credit System
(LOCF-CBCS) as per NEP-2020
(w.e.f. Session 2024-25)**

1. Scope

This Ordinance is based on National Education Policy-2020 (NEP-2020), Learning Outcome Based Curriculum Framework-Choice Based Credit System (LOCF-CBCS) and is according to the Curriculum and Credit Framework for UG Programmes (CCFUGP) of University Grants Commission and as per Memo No. DHE-170005/5/2023-Deputy Director-NPE dated June 8, 2023 regarding implementation of the key components of NEP-2020 in Colleges and Universities.

- (i) The duration of the programme for the award of Undergraduate Certificate in Discipline will be one academic year and of Undergraduate Diploma in Discipline will be two academic years. The duration of Bachelor Degree in discipline will be three academic years. Each academic year will be divided into two semesters i.e., July to December and January to June. There shall be teaching of 15 weeks in each semester excluding admission and examination days.
- (ii) The nomenclature of the Certificate/Diploma/Degree will be as under:
 - (a) UG Certificate in < Major Subject >
 - (b) UG Diploma in < Major Subject >
 - (c) Bachelor of Arts with Major in <Major Subject>
OR
Bachelor of Science with Major in <Major Subject>
 - (d) Bachelor of Arts (Hons.) in <Major Subject>
OR
Bachelor of Arts (Hons. with Research) in <Major Subject>
OR
Bachelor of Science (Hons.) in <Major Subject>
OR
Bachelor of Science (Hons. with Research) in <Major Subject>

2. Key Terms

- (i) **Learning Outcome based Curriculum Framework (LOCF):** The learning outcomes of the programme (POs) are mapped against well-defined Course Outcomes (COs).

- (ii) **Choice Based Credit System (CBCS):** The CBCS provides choices to students to select disciplinary and interdisciplinary/multidisciplinary courses to fit into their own requirements and to learn at their own pace within the framework.
- (iii) **Programme:** A programme is made up of courses/subjects and leads to the award of a Certificate or Diploma or Degree after completing requisite courses successfully.
- (iv) **Course/Subject:** A course/subject refers to component of a programme. A course/subject may comprise of lectures/tutorials/practicum or laboratory work/field practice/project work/seminar/community engagement and service/internship/dissertation, etc. or any combination of these.
- (v) **Credit:** A unit by which the course work is measured. It determines the number of hours of instructions required per week over the duration of one semester. For calculation of the teaching hours, one credit means one hour of lecture or one hour of tutorial or one hour of seminar or two hours of practicum/laboratory work per week over the duration of a semester.
- (vi) **Lecture:** Component of a course/subject which is taught by a teacher through lectures covering the contents of a course/subject.
- (vii) **Tutorial:** Component of a course/subject which involves problem-solving, learning through discussions and remedial teaching related to the contents and periphery of a course/subject with the direct involvement of a teacher.
- (viii) **Practicum:** A course/subject or a component of a course/subject which enables students to learn or to attain skills or to get procedural knowledge for the contents of a course/subject through practical/laboratory activity/project and to apply the studied principles/theory/ concepts related to the chosen field of learning, work/vocation, or professional practice in the field of learning, work/vocation under the supervision of a teacher.
- (ix) **Seminar:** A course/subject or a component of a course/subject which makes students to learn a specific topic through in-depth exploration and analysis of facts about the topic in a set-up that involves presentation, interactive discussions and collaborative learning under the supervision of a teacher.
- (x) **Internship:** A course/subject requiring students to participate in professional employment-related activity or work experience or co-operative education activity with an entity external to the educational institution normally under the supervision of an employee of an organization or an individual professional. A key aspect of the internship is induction into actual, formal and organized work situations. Internship involves working with local industry (Government or Private organizations), business establishments, artists, craft persons, etc. to provide opportunities for students to actively engage in on-site experiential learning.
- (xi) **Studio Activity:** A studio activity involves engagement of students in creative, artistic or experimental activities involving visual, digital, audio, video and other professional experiential work.
- (xii) **Field Work/Practice/Survey/Project:** A course/subject or a component of course/subject which enables students to participate in field-based learning/project, involving application of knowledge in solving/analyzing/exploring a real-life situation/difficult problem under the supervision of a teacher/mentor.
- (xiii) **Project Work:** A course/subject or a component of a course/subject which facilitates students to apply their knowledge, skills and critical thinking ability to complete a specific task in a given time frame through conceptualization, exploration and analysis of research-based activities to suggest tangible solutions for a given problem related to the chosen field of learning.
- (xiv) **Community Engagement and Service:** A course/subject or a component of a course/subject which exposes the students to the socio-economic issues prevailing in society so that the theoretical learning can be supplemented by actual life experiences to understand and generate solutions to real-life problems.

3. Discipline Specific Courses (DSC): A major course as discipline specific course is the field of study (subject) in which a student focuses for understanding and skills majorly in the chosen field of learning contributing to the core of the programme. This may include Core, Elective and Skill-enhancement courses.

(ii) **Minor Courses (MIC):** Minor course aims to expand student's knowledge beyond the major field of study (DSC). This will also include **Vocational Course (VOC)** that will assist student in developing work-force relevant skills through practical work and enhances the employability of student.

(iii) **Multidisciplinary Courses (MDC):** These courses are based on introductory knowledge in a subject. A student will study MDC in a subject other than the discipline of Discipline Specific and Minor subjects/courses to gain knowledge across the disciplines.

(iv) **Ability Enhancement Courses (AEC):** These courses aim at enabling the students to achieve competency in the English language or Modern Indian Languages or other foreign languages with special emphasis on language and communication skills.

(v) **Skill Enhancement Courses (SEC):** These courses aim at imparting practical skills, hands-on training, soft skills, etc. to enhance the employability of students.

(vi) **Value-Added Courses (VAC):** These courses aim at enabling the students to acquire and demonstrate the acquisition of knowledge and understanding of human values, Indian Knowledge System, contemporary India, environmental science and education, digital and technical solutions, health and wellness, yoga education, sports and fitness, etc.

4 Evaluation terms

(i) **Letter Grade:** It is an index of the performance of a student in a course. Grades are denoted by letters O, A+, A, B+, B, C, P, F and Ab depending on the score earned in that course.

(ii) **Grade Point:** It is a numerical value allotted to each letter grade on a 10-point scale.

(iii) **Credit Point:** It is the product of grade point and number of credits for a course.

(iv) **Semester Grade Point Average (SGPA):** It is a measure of performance of a student in a semester. It is the ratio of total credit points secured by a student in all the courses registered in a semester to the total of the credits of the courses taken during that semester. It shall be expressed up to two digits after decimal place.

(v) **Cumulative Grade Point Average (CGPA):** It is a measure of overall cumulative performance of a student in a programme over all the semesters. The CGPA is the ratio of total credit points secured by a student in all the courses of the programme to the sum of the total credits of all the courses of the programme. It shall be expressed up to two digits after decimal place.

(vi) **Detailed-Grade-Certificate:** Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The Detailed-Grade-Certificate (DGC) will display the course details (code, title, number of credits, grade secured) along with SGPA of that semester.

5 Academic Bank of Credits (ABC): It is a virtual/digital mechanism that contains information of the credits earned by individual students throughout their learning journey in Higher Education Institutions in India recognized by UGC. The Automated Permanent Academic Account Registry (APAAR) ID is also being introduced as a pivotal component. The APAAR ID serves as a lifelong academic passport, consolidating all achievements and credential of a student in one place. This will help enabling student mobility across higher education institution.

6 Programme Duration and Multiple Exit Options

All programmes shall be offered as per UGC list of 'Specification of Degree' prevailing from time to time. The programme duration and options for multiple entry and exit will be as per UG Curriculum Framework- Scheme-C (*Appendix-I; Table-1*).

- (i) A student will be allowed an exit option after passing first academic year of the UG Programme with requisite 48 credits including the 4 credits of internship of minimum of 4 weeks duration as per scheme of the programme and will be awarded an Undergraduate Certificate in the Major subject (*Appendix-I; Table-2*).
- (ii) A student will be allowed an exit option after passing two academic years of the UG Programme with requisite 94 credits including the 4 credits of internship of minimum of 4 weeks duration as per scheme of the programme and will be awarded Undergraduate Diploma in the Major subject (*Appendix-I; Table-2*).
- (iii) A student will be awarded with Bachelor degree in Major subject after successfully completing three academic years of UG Programme and earning requisite 136 credits including the 60 credits in the major subject and 4 credits of internship of minimum of 4 weeks duration as per scheme of the programme (*Appendix-I; Table-2*).
- (iv) A student, who has successfully completed three years in single major programme and has earned minimum 60 credits in the major subject can opt for Honours Programme in that subject in the fourth year. If a Department/College/Institute allows to continue the students or admits the student for fourth year of Honours Programme, then the student will be awarded with Bachelor degree (Honours) in the major subject after successfully completing four academic years of UG Programme and earning requisite 184 credits including the 4 credits of internship of duration 4 weeks as per scheme of the programme (*Appendix-I; Table-2*).

Further provided that a Department/College/Institute will be able to admit students for Honours programme only if the institution has got the approval for the same from the University after obtaining approval from Director, Higher Education (DHE), Government of Haryana, where ever applicable

- (v) A student, who has successfully completed three years degree in a single major programme and has earned minimum 60 credits in the major subject and obtained CGPA of 7.5 or more can opt for Honours with Research Degree Programme in that subject in the fourth year. If a student opts to continue or is admitted by an eligible Department/College/Institute to Honours with Research Programme in the fourth year, then the student will be awarded with Bachelor degree (Honours with Research) in the major subject after successfully completing four academic years of UG Programme and earning requisite 184 credits including the 4 credits of internship of duration 4 weeks and 12 credits of Project/Dissertation as per scheme of the programme (*Appendix-I; Table-2*).

Further provided that a Department/College/Institute will be able to admit students for Honours with Research Programme only if the institution has got the approval for the same from the university after obtaining approval from Director, Higher Education (DHE), Government of Haryana, where ever applicable.

7 Admission to a UG Programme under Multiple Entry

- (i) The Department/College/Institute shall declare approved total number of seats available discipline-wise each year for fresh and lateral admissions.
- (ii) The Department/College/Institute can plan the number of seats discipline-wise in consonance with the faculty and infrastructure available.

(iii) A student can pursue two Undergraduate Programme simultaneously through Open and Distance Learning (ODL)/online mode; or combinations of ODL, online and regular modes, from the same or different Universities/Institutions duly approved by the UGC/AICTE/Regulatory Body/Central Government/State Government, in various combinations, viz.

- A student can pursue two full-time UG Programme in physical mode provided that in such cases, class timings and examination schedule for one programme do not overlap with the class timings and examination schedule of the other programme, and requirements under clause 7(iv) are fulfilled.
- A student can pursue two UG Programme, one in full-time physical mode and another in ODL/online mode; or up to two ODL/online programmes simultaneously.

The Department/College/Institute and the University shall not be responsible for any such overlapping and consequences thereof.

(iv) **Minimum Eligibility Conditions for Admission**

A candidate who has passed Senior Secondary Certificate Examination (Class XII level) of the Board of School Education, Haryana; or any other examination recognized as equivalent thereto with minimum passing marks in aggregate with English as one of the subjects, shall be eligible to join First Semester of the Undergraduate (UG) Programme. In addition, the following conditions, if applicable should also be satisfied:

- to opt for Mathematics as a DSC, the candidate must have passed Mathematics as a subject in the qualifying examination.
- to opt for Chemistry as a DSC, the candidate must have passed Chemistry as a subject in the qualifying examination.
- to opt for Physics as a DSC, the candidate must have passed Physics as a subject in the qualifying examination
- to opt for subject(s) in the discipline of Life Sciences, which consists of Botany, Zoology as a one or more than one subject(s), then the candidate must have passed Class XII with Biology as a subject.
- to opt for subjects of Physical Sciences discipline as Major subject(s), the candidate must have passed respective subjects in the qualifying examination.

Further, eligibility conditions for admission to a programme shall be applicable as mentioned in the scheme of the concerned programme.

A candidate having 2-Year Diploma from ITI or 3-Year Diploma from Polytechnic of minimum 2 years duration qualified with Hindi Core/English as one subject or as an additional subject at Class XII level is also eligible for seeking admission in First Semester of the UG Programme in Arts discipline or in the disciplines wherever mentioned so.

Note: Eligibility conditions are subject to change according to the implementation of National Curriculum Framework (NCrF) for school education or in accordance with any such guidelines issued by the Central/State Government or issued by University from time to time.

(v) A student who has been placed under compartment or allowed to re-appear in one subject only in Senior Secondary Certificate Examination (Class XII level) of the Board of School Education, Haryana, or equivalent examination of another

University/Board may be allowed to study provisionally for the First Semester of the UG programme. Such student shall pass the compartment/re-appear subject before commencement of the examination of 1st semester of the concerned UG Programme. If a student does not clear the compartment/re-appear subject before the commencement of the 1st semester examination, her/his provisional admission to concerned UG Programme shall be cancelled ab initio by the Chairperson/Principal/Director with intimation to the University. However, the Vice-Chancellor may relax this condition, in exceptional cases at own level or on the recommendations of a committee constituted by the Vice-Chancellor.

For such students, the required percentage of marks for admission shall be determined by considering the minimum pass marks in compartment/re-appear subject.

- (vi) The student opting for exit must inform in writing to the Department/College/Institute by 30th June of every year. The student is allowed multiple entry into a UG Programme. For example, the student can re-enter into second year of a programme if she/he has taken an exit option after first year. Similarly, re-entry into the third year is allowed if exit option was exercised by a student after getting UG Diploma. In any case, the gap between the exit and the re-entry into the UG Programme should not be more than three years subject to completion of the whole UG Programme within six years. Multiple entry shall be allowed in a Department/College/Institute subject to the availability of seats in the concerned programme in that year in that Department/College/Institute. In case of re-entry, the scheme and syllabus currently running will be applicable.
- (vii) Lateral admissions against sanctioned vacant seats may be filled by a Department/College/Institute category wise following the State Govt. norms for reservation in an odd semester. Lateral admission may be provided in the 3rd and 5th semesters if a student has passed all the preceding examinations up to 2nd and 4th semester, respectively of the concerned programme under NEP Curriculum Framework. However, this will be subject to fulfilment of other eligibility conditions for the programme in which the admission is sought.

First preference in the lateral admission will be given to the students of that Department/College/Institute who had taken exit from that programme and are seeking re-entry into the same institution, for this a cut-off-date will be notified by Department/College/Institute.

8 Subjects/Courses of UG Programmes

- (i) A student of UG Programme (Major), herein after called Scheme C, who is seeking admission in the programme with single Major subject in the first year offered by the Department/College/Institute study DSCs in the Major subject as per scheme of the concerned subject. Minor subject, different from the Major subject, is to be offered from the same discipline. Any subject in a discipline can be a Major or Minor subject for a UG programme. In case of Physical Sciences and Life Sciences disciplines, if the Minor Subject cannot be offered from the same discipline by a Department/College/Institute, then the Minor Subject may be offered from either of the two disciplines. For Example, if a Department/College/Institute is unable to offer a Minor subject from the discipline of Life Sciences, other than three subjects Botany, Zoology and Chemistry which have been offered as three Major subjects, then Department/College/Institute can offer any subject from the discipline of Physical Sciences as a Minor Subject.

(ii) A student will study Discipline Specific, Minor, Minor (Vocational), AEC, VAC, SEC and MDC courses as per Curriculum Framework Scheme C (*Appendix-I; Table I*).

(iii) For UG Programme (Major) (Scheme C), a Minor course will be of 4 credits and will be taken out of the offered DSCs of that subject in that semester.

(iv) A student will study three Multidisciplinary Courses (MDCs) in first three semesters. The Multidisciplinary Courses (MDCs) will be from the subject/course which is different from the Discipline Specific and Minor subjects/courses. Students are not allowed to choose or repeat courses already undergone at the Senior Secondary Level (Class XII) or Discipline Specific and Minor subjects/courses under this category. Provided further that if a Multidisciplinary Course (MDC) across the discipline cannot be offered by a Department/College/Institute, due to its constraints and available resources, then

- A subject from the same discipline can be offered as MDC course if that subject also belongs to the list of subjects of some other discipline.
- MDC can be opted out of MOOCs through SWAYAM.
- MDC can be completed out of online course(s) offered by GJUST.
- MDC can be completed from a cluster college i.e., from a neighbouring College/Institute or else.

Note: The student himself/herself has to pay the requisite fee and/or re-appear fee as applicable from time to time. Department/College/Institute shall not be responsible for any issue(s) related to MOOCs, online course(s) and from cluster college or else.

(v) A student will select AEC, SEC, VAC and Minor (Vocational) courses from a pool of respective courses offered in Department/College/Institute.

Depending upon the availability of faculty and infrastructure, a Department/College/Institute may offer AEC, SEC, VAC and Minor (Vocational) courses from the respective pool of courses duly approved by the College/University. University will review and revise such pools from time to time by taking proposals of Department/College/Institute into consideration.

(vi) A student will study VAC- 'Environmental Studies' which is mandatory and at least one SEC to gain computer competency before exit. The number of these courses will be offered by the Department/College/Institute according to the availability of faculty and infrastructure.

(vii) In the subjects/courses which involve practicum, i.e., Practical/Laboratory/Studio/ Project/ Survey/Field work, etc., a course of 4 credits will dedicate 3 credits for lectures and one credit for practicum or 4 credits for lectures. In other subjects/courses not having practicum component, a course of 4 credits will dedicate 3 credits for lectures and 1 credit for tutorial or 4 credits for lectures.

During 4th year, if the practicum course is offered as a separate course in that subject, all the credits will be dedicated to practicum.

In the case, when tutorial of 1 credit is not adopted/implemented in a subject, then all the credits of that course will be dedicated to lectures only.

(viii) In case of AEC and VAC of 2 credits, the entire 2 credits will be allocated to lectures.

(ix) In the SEC courses of 3 credit, 2 credit will be allocated to lectures and 1 credit to practicum/Seminar/tutorial.

(x) In case of Minor (Vocational) courses/subjects, where practicum component is dominant, a course of 4 credits may allocate 2 credits to lectures and 2 credits to

practicum. Similarly, a course of 4 credits may be divided into 2 credits of lectures and 2 credits of practicum in the subjects where the practicum component of the course is major and teaching-learning process mainly depends upon practicum, e.g. Music and Fine Arts.

9 Contact hours/workload

The weekly contact hours/workload for theory/practical/laboratory/studio/project/survey/field work, etc. components of the courses will be:

- (i) 1 credit theory/tutorial = 1 hour;
- (ii) 1 credit practical/laboratory/studio/project/survey/field work = 2 hours.
- (iii) The tutorial and practical/laboratory/studio/project/survey/field work will be conducted in groups of students and one group will comprise of 20 students.

10 Online Courses

With the permission of Department/College/Institute, a student can opt for online courses (at own level), up to 40% of the courses of the programme except Discipline Specific Courses and Skill Enhancement courses, through online platform SWAYAM or online courses offered by GJUST, Hisar or through other such online platforms approved by the UGC as per university guidelines prevailing time to time.

11 Internship

Every student for the UG Programme shall be required to undergo 4 credits internship of minimum of 4 weeks duration before taking an exit or completing the degree programme.

- (i) A student for the UG Programme shall be required to undergo internship during summer vacation either after the second semester examination or after the fourth semester examination. If she/he opts to exit with Undergraduate Certificate in the discipline, then it shall be obligatory to complete the internship after second semester examination.

However, for those students who have taken lateral entry into the third semester and have completed internship of minimum of 4 weeks duration during first year, the internship is not required after the fourth semester examination

- (ii) A student will inform and get approval from the Chairperson/Principal/Director of the Department/College/Institute before going for an internship. The internship will involve working with local industry (Government or Private organizations/ Institutions), business establishments, artists, craft persons, or a professional (individual/organization). Student will submit a copy of the report (a hard copy and a soft copy in PDF) to the Department/College/Institute within 15 days after the completion of internship. A student must submit a certificate of attendance and work done report from the organization/professional where the internship was done. The evaluation of the internship shall be done by a committee comprising of at least two teachers appointed by the Chairperson/Principal/Director of the College/Institute. Marks will be awarded by the committee out of 100 marks on the basis of the report and viva-voce examination.
- (iii) The internship will be governed by the prevailing rules of the University from time to time.

12 Project/Dissertation

A student of fourth-year Bachelor Degree (Honours with Research) Programme will be required to work on the Research Project or do research during eighth semester. The Project/Dissertation work will be of 12 credits.

- (i) A student, who has been admitted in Honours with Research Programme, shall submit a request for allotment of a supervisor mentioning her/his research areas of interest in order of preference to the Chairperson/Principal/Director during seventh semester. The Department/College/Institute will allot a qualified supervisor to guide the student for doing research during Project/Dissertation work. A regular full-time teacher of that Department/College/Institute, who has been approved to supervise Ph.D. scholars by the university, will be eligible to guide the students of Honours with Research programme of that institution.
- (ii) The student will submit the synopsis to the supervisor. In case of University Teaching Department (UTD) the synopsis will be approved by the departmental research advisory committee after recommendation of the supervisor. In other cases, the Principal/Director of College/Institute shall constitute a committee for this purpose at the College/Institute level. External experts may be involved wherever sufficient qualified regular teachers are not available.
- (iii) The student shall be required to submit three hard copies of her/his dissertation along with soft copy as PDF file to the Department/College/Institute by 30th June of the concerned year. The late submission can be allowed with late fees as decided by the university from time to time. The Anti-plagiarism policy of the university is to be strictly followed by the candidate and the supervisor. Similarity report as per Anti-plagiarism policy of the university is to be annexed with the dissertation.
- (iv) Evaluation of the dissertation shall be done by an external examiner. The dissertation work will be of total 12 credits (300 marks) and evaluation will be done in two components; report of dissertation (200 marks) and open viva-voce examination (100 marks).

13 Medium of Instructions and Examination

- (i) For Arts/Home Science/Commerce subjects, the medium of instructions shall be Hindi/English.
The question paper shall be set in both English and Hindi, wherever feasible, except in the case of
 - English, in which the questions shall be set in English.
 - Sanskrit, in which the questions shall be set in Sanskrit/Hindi.
 - Other languages, in which the questions shall be set in the language concerned.
- (ii) The students shall write their answers:
 - in English, in case of English language
 - in the language concerned, in the case of Modern Indian Languages
 - English/Hindi in the case of other subjects.

(iii) For Physical Sciences/Life Sciences Subjects/Courses, the medium of instructions shall be mainly English. Hindi medium will also be offered wherever feasible and approved by the university. The question paper shall be set in English. Bilingual question paper (s) will be provided, wherever possible and approved by the university. The students can write their answers in English/Hindi depending on the medium of instructions and language of the course content/syllabus.

14 Programme and Course Learning Outcomes

Individual programmes of study will have well defined learning **Programme Outcomes (POs)** which should be attained for the award of a specific Certificate/Diploma/Degree.

Each course will have well defined learning **Course Outcomes (COs)** specific to the learning for a given course of study related to a disciplinary or interdisciplinary/multi-disciplinary area. Course Outcomes (COs) will be mapped to Programme Outcomes (POs). The attainment of Course Outcomes will lead to the attainment of the Programme Outcomes.

15 Assessment and Evaluation

(i) Student Progression and Mentoring

Each student shall be examined in the course(s) to help their progression through the programme as laid down in the scheme, syllabus and learning outcomes through a system of Continuous Comprehensive Assessment (CCA) using a mix of Internal and End-Term evaluation.

- Internal Assessment will be broadly 30% of the total marks and weightage of 70% shall be given to evaluation of End-Term examination(s).
- Internal Assessment (30%) shall be broadly based on the following defined components: Class Participation; Seminar/Presentation/Assignment/Quiz/Class Test, etc. in case of Theory examination and Seminar/Demonstration/Viva-Voce/Lab record, etc. in case of Practical examination; Mid-Term Exam.
- Internal Assessment Marks will be further distributed as per following tables:

Course Composition- Theory/(Theory +Tutorial)			
Course Credit	Internal	End-Term Exam	Total Marks
2	15	35	50
3	25	50	75
4	30	70	100

Course Composition- Theory + Practical						Total Marks
Course Credit		Theory		Practical		Total Marks
Theory	Practical	Internal Marks	External Marks	Internal Marks	External Marks	
1	1	10	20	5	15	50
2	1	15	35	10	15	75
3	1	20	50	10	20	100
2	2	15	35	15	35	100
0	4	-	-	30	70	100

Total Internal Marks (Theory)	Class participation	Seminar/Presentation/Assignment/Quiz/Class Test, etc.	Mid-term exam
10	4	-	6
15	4	4	7
20	5	5	10
25	5	7	13
30	5	10	15

Total Internal Marks (Practicum)	Class participation	Seminar/Presentation/Assignment/Quiz/Class Test, etc.	Mid-term exam
5	-	5	-
10	-	10	-
15	5	10	-
30	5	10	15

- A student has to obtain minimum 40% marks (Grade 'P') in aggregate (sum of the Internal Assessment and End-Term Examination marks) and in End-Term Examination separately to qualify a course.
- (ii) The pass percentage will be 40% (Grade 'P') both for theory and practicum End-Term Examination.
- (iii) The Chairperson/Principal/Director shall ensure uploading of the Internal Assessment marks at least one week before the commencement of the End-Term Semester Examinations on the examination portal of the University or as notified by the Controller of Examinations of the University.
- (iv) Internal Assessment marks of a course shall be carried forward in case of re-appear examination of that course.
- (v) The Chairperson/Principal//Director shall preserve the record on the basis of which the Internal Assessment awards have been prepared, for inspection, if needed by the university, for one year from the date of declaration of semester examination results.

16 Eligibility for Examination

End-Term Examination shall be open to a regular student who

- (i) has been on the rolls of the Department/College/Institute during the semester.
- (ii) has passed the requisite qualifying examination as laid down above, if she/he is a candidate for the First Semester Examination.
- (iii) has her/his examination form submitted to the Examinations Branch through the Chairperson/Principal/Director of the concerned Department/College /Institute.
- (iv) has attended not less than 75% of the lectures in a course. This requirement shall be fulfilled separately for each course of the programme. A deficiency in the prescribed course (Lectures/Practicum, etc.) may be condoned by the Chairperson/Principal/ Director of the Department/College/Institute in deserving cases up to 15% (excluding 2% additional for Girl/Women student).
- (v) These shall also include loss of attendance due to participation in the cultural and sports assignments, etc. Provided that, a student who participates in the Inter-University Tournaments or Inter University Youth festivals or Republic Day Parade may be allowed additional condonation on this ground up to 10% in each paper on a certificate from the Dean/Director, Sports/Youth Welfare/Cultural Affairs, Placement Cell, NSS, ANO, NCC, YRC as the case

may be, subject to the condition that such a student shall not be allowed to appear in the examination if his/her attendance, after condonation on all counts, falls below 50%.

(vi) Provided that a candidate who has not attended the requisite percentage of lectures/practicum shall not be eligible to take the End-Term Examination in the concerned theory/practicum unless she/he repeats the course and obtains requisite attendance.

17 Duration for Passing the Programme

(i) A student can complete a Bachelor degree programme within seven years. A student who fails to pass the whole examination(s) of a UG programme within seven years of admission to the programme, shall be awarded Undergraduate Certificate/Diploma on the basis of qualified courses as per credit point, if eligible (*Appendix-I; Table 2*).

(ii) Each student will have to open an Academic Bank of Credit (ABC) account immediately for admission or during admission if admitted. At the end of each semester, credits earned by the students will be uploaded in her/his respective ABC account. A student registered in ABC account for a programme will be allowed to complete the respective programme within seven years or as per the time period stipulated in the ABC for accumulation of credits from time to time or within the period as prescribed by the university for the purpose.

18 Conditions for Promotion to Higher Semester and Rules for Re-appear

(i) A student who has appeared and failed in one or more courses of the First Semester shall be allowed to study for and appear in the second semester. Such a student may pursue her/his studies for the next higher semester(s) and appear in the examination(s) for the same along with the examination for the lower semester(s).

(ii) A candidate who has attended the prescribed classes of a course(s) of a programme in the Department/College/Institute in a semester and was eligible but did not appear in the End-Term examination or has appeared but fails, may be allowed on the recommendation of the Chairperson/Principal/Director of the Department/College/Institute to appear/re-appear as an ex-student in the End-Term examinations of that course(s) as the case may be, in the subsequent semesters examination up to two times when such examination(s) are held without attending the course(s) again. While re-appearing in the examination, the student shall be exempted from appearing in the course(s)/practical(s) in which she/he has obtained pass marks.

Provided that after completion of regular studies for the whole duration of a programme, the candidate will be allowed to appear in examination as an ex-student/private for the re-appear/left out courses under the permissible chances, within the prescribed time period to complete the programme.

(iii) A candidate who could not complete or has failed in a project/internship, she/he will get only one chance to repeat the project work at the end of the next Semester. Further, if the candidate still fails or remains absent in the project/internship, then she/he will not be eligible for the award of the concerned UG Certificate/Diploma/Degree

19 Examinations and Result

- (i) End-Term Examinations for the odd semesters shall ordinarily be held in November/December and for the even semesters in May/June, on such dates as may be notified by the Controller of Examinations from time to time.
- (ii) Supplementary examinations will be held for Re-appear candidates as under:

Semester	When held
Odd Semester	Along with the First, Third and Fifth Semester
Even Semester	Along with the Second, Fourth and Sixth Semester

- (iii) The last date(s) by which the examination forms shall be uploaded on the examination portal shall be as per the schedule notified by the Controller of Examinations from time to time.
- (iv) The amount of examination fee to be paid by a student for each semester shall be as prescribed by the University from time to time.
- (v) The minimum Semester Grade Point Average (SGPA) to qualify a semester shall be 4.00 and minimum Cumulative Grade Point Average (CGPA) required for the award of the UG Certificate/Diploma/Degree shall be 4.00.
- (vi) The Examination Branch shall prepare the Grade/Result and the Controller of Examinations will notify the same.
- (vii) If a student is not able to pass any semester examination during her/his regular studies in the programme, her/his pass credits will be accumulated in the Academic Bank of Credits (ABC) and she/he can pass the deficient courses any time within seven years or as stipulated in the Academic Bank of Credits from time to time.
- (viii) A student who discontinues her/his studies at any point of time may be permitted to re-join the programme of study and complete balance credits.

(ix) Award of Grades

Award of grades and the corresponding grade points will be based on absolute marks as per the following table:

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

- The multiplication factor for conversion from SGPA/CGPA to equivalent percentage of marks shall be 10.
- A candidate eligible to take the examination obtaining Grade 'F'/'Ab' will be considered to have failed in the examination/course(s). Such a student will be required to re-appear in that examination/course(s) within the permissible chances.

20 Computation of SGPA and CGPA

The following shall be the procedure to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

(i) The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a candidate in all the courses taken by the candidate in a semester to the sum of the number of credits of all the courses undertaken by the candidate in that semester, i.e.

$$SGPA (Sj) = \frac{\sum(Ci + Gi)}{\sum Ci}$$

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 in the jth semester.

(ii) The 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.

$$CGPA (Sj) = \frac{\sum(Nj + Sj)}{\sum Nj}$$

where Sj is the SGPA of the jth semester and Nj is the total number of credits in that semester.

(iii) The SGPA and CGPA shall be rounded off to 2 digits after decimal place and shall be reported in the Detail-Grade-Certificate (DGC).

A merit list will be prepared for a programme and Gold Medal will be awarded to a candidate securing highest CGPA provided the candidate must have passed all the semester examinations in the first attempt and within minimum duration of the programme. In case, when more than one student has the same CGPA, then Gold Medal shall be decided on the basis of actual obtained marks in the programme.

21 Improvement

(i) A candidate who has passed a UG Programme from GJUST, Hisar and is desirous of improving her/his CGPA in the respective programme (Certificate/Diploma/Degree/Degree (Hons.)), will be allowed to appear within next four Semester examinations of passing the sixth semester examination to appear as an ex-student in one or more theory course(s) of any one or two parts, out of Part-I (Semester I & II), Part-II (Semester III & IV), Part-III (Semester V & VI) and Part IV (Semester VII & VIII) separately in four consecutive semester examinations and shall pay examination fee as for the whole semester examination in which she/he opts to appear. The rules, syllabus and fees for improvement examinations shall be applicable as prevailing at that time or as prescribed by the university from time to time.

(ii) The result of improvement examinations shall be declared only if a candidate improves her/his CGPA of the respective programme. Provided further that if a student does not want to avail the remaining chances out of permissible four total chances for improvement, then she/he will submit an undertaking to this effect for declaration of her/his final result. The fact that student has improved the performance/grade shall be mentioned in the Detailed-Grade-Certificate (DGC).

(iii) Improvement shall not be allowed in Internal Assessment/Practical/Internship/ Field Work/Project/Seminar/Studio etc.

22 Award of Grace Marks

Grace marks will be awarded according to the university rules prevailing from time to time.

23 The ordinance in force at the time a student joins the programme shall hold good only for the examination held during or at the end of the academic year and nothing in this ordinance shall be deemed to debar the university from amending the ordinance and the amended ordinance, if any, shall apply to all the students whether old or new.

24

- (i) In the event of any inconsistency in the rules or any clarification thereof, the matter shall be referred to the Vice-Chancellor for interpretation, whose decision shall be final. The Vice-Chancellor is also competent to remove any inconsistency/make amendment in rules at any time and decide which provision shall take precedence over the other.
- (ii) The Vice-Chancellor is authorized to make changes/amendments in the ordinance of different Schemes for effective implementation of Curriculum and Credit Framework of Undergraduate and Integrated 5 years Programmes under National Education Policy 2020.
- (iii) Notwithstanding anything mentioned above, the Vice-Chancellor can relax any rule in exceptional cases or when situation demands so.

25 Transitory Provision

Students admitted to UG Programmes under semester system in Department/College/Institute prior to that academic session 2024-25 shall be governed by the old rules as applicable for that programme for that session. The present rules shall be applicable to the students who take admission in a programme according to Curriculum and Credit Framework for UG Programme (CCFUGP) as per NEP-2020 w.c.f. the academic session 2024-25.

Table 1: UG programme (Single Major from first semester): Scheme C

Appendix-I

Semester	Discipline Specific Courses (DSC)		Minor/ Vocational Courses (MIC)	Multidisciplinary Courses (MDC)	Ability Enhancement Course (AEC)	Skill Enhancement Course (SEC)	Value Added Courses (VAC)	Total credits	Exit option
I	DSC-A1 4 credits	DSC-A2 4 credits			MIC-1 4 credits	MD-C-1 3 credits	AEC-1 2 credits	SEC-1 3 credits	VAC-1 2 credits
II	DSC-A3 4 credits	DSC-A4 4 credits			MIC-2 4 credits	MD-C-2 3 credits	AEC-2 2 credits	SEC-2 3 credits	VAC-2 2 credits
Internship of 4 credits of 4 weeks duration after 2nd semester									
III	DSC-A5 4 credits	DSC-A6 4 credits		MIC-3 4 credits	MD-C-3 3 credits	AEC-3 2 credits	SEC-3 3 credits	VAC-3 2 credits	22
IV	DSC-A7 4 credits	DSC-A9 4 credits		DSC-A10 (E) 4 credits	MIC-4 (V) 4 credits	AEC-4 2 credits	VAC-4 2 credits	24	Undergraduate Diploma in Discipline with 94 credits
V	DSC-A11 4 credits	DSC-A12 4 credits	DSC-13 (E) 4 credits	MIC-5 (V) 4 credits	DSC-A14 (E) 4 credits		Internship [#] 4 credits	20	Bachelor in Discipline with 136 credits
VI	DSC-A15 4 credits	DSC-A16 4 credits	DSC-17 (E) 4 credits	MIC-6 (V) 4 credits	DSC-A18 (E) 4 credits		SEC-3 2 credits	20	
		72 credits	24 credits	9 credits	8 credits	11 credits + Internship 4 credits	8 credits	132	

#Four credits of internship, earned by a student during summer internship after 2nd semester or 4th semester, will be taken into account in 5th semester of a student who pursue 3 years UG Programme without taking exit option.

Fourth year (Honours programme)						
Semester	Discipline Specific Courses			Minor Courses	Total credits	Degree to be awarded
	Core	Elective	Practicum			
VII	DSC-H1 4 credits DSC-H2 4 credits DSC-H3 4 credits	DSC-H1/H2/H3 (E) 4 credits	DSC-H1/H2/H3 (P) 4 credits	MIC-7 4 credits	24	Bachelor (Honours) in Major subject with 184 Credits
VIII	DSC-H4 4 credits DSC-H5 4 credits DSC-H6 4 credits	DSC-H4/H5/H6H3 (E) 4 credits	DSC-H4/H5/H6 (P) 4 credits	MIC-8 4 credits	24	
OR						
VII	DSC-H1 4 credits DSC-H2 4 credits DSC-H3 4 credits	DSC-H1/H2/H3 (E) 4 credits	DSC-H1/H2/H3 (P) 4 credits	MIC-7 4 credits	24	Bachelor (Honours with Research) in Major subject with 184 Credits
VIII	DSC-H4 4 credits DSC-H5 4 credits	Project/Dissertation 12 credits		MIC-8 4 credits	24	

Table 2: Credit Point Table for 4-year UG Programme (Single Major from first semester): Scheme C
Appendix-I

Sr. No.	Courses	Credits earned after			
		First year	Second year	Third year	Fourth year
1	Discipline Specific Course (DSC)	16	40	72	112
2	Minor Course (MIC)	8	16	24	32
3	Multidisciplinary Courses (MDC)	6	9	9	9
4	Ability Enhancement Courses (AEC)	4	8	8	8
5	Skill Enhancement Courses (SEC)	6	9	11	11
6	Value Added Courses (VAC)	4	8	8	8
7	Internship	4*	4*	4	4
8	Research				12
	Total	48	96	136	184
	* added in case of exit from programme				

Notes for Tables:

- i.; Discipline Specific Courses (DSC), Minor courses (MIC) including vocational (VOC), Ability Enhancement Courses (AEC); Value Added Courses (VAC); Multidisciplinary Courses (MDC), Core courses, Elective courses and Practicum Course of this programme.
- ii. A student of UG Programme (Major) will study single major subject in the first year.
- iii. A student will study Discipline Specific Courses (DSC) including Core, Elective and Practicum courses from the major subject as per scheme of the programme.
- iv. A student will study AEC, VAC, SEC, MDC and Minor (Vocational) Courses from the respective pools of the courses offered by Department/College/Institute duly approved by the University
- v. Minor subject will be different from the Major subject in the same discipline. Minor Course will be of 4 credits and will be taken out of the offered Core Courses of that subject (Minor subject).
- vi. A student will opt for MDC course from the subject which is different from the discipline of major subjects and should also be different from the courses undergone at senior secondary level (Class XII).
- vii. 4-year UG (Honours) or (Honours with Research) in Major Subject will be offered after completion of 3-Year UG programme (Single Major) to those students who have completed at least 60 credits in the concerned Major Subject. In addition to the above, 4-Year UG (Honours with Research) in Major Subject will be offered only to those students who have obtained CGPA 7.5 or more in the 3-Year UG programme.
- viii. In addition to the defined practicum courses, the practicum courses may include seminar or other activities as recommended by the concerned Board of Studies in case of Non-Practicum subjects. The Practicum course may be replaced by a theory course wherever Board of Studies decides so.



Guru Jambheshwar University of Science and Technology
Hisar-125001, Haryana
('A+' NAAC Accredited State Govt. University)



**Ordinance governing UG Programme (Interdisciplinary)
as per National Education Policy-2020**

SCHEME-D

[UG Certificate, UG Diploma and Bachelor Degree, Bachelor Degree (Hons.), Bachelor Degree (Hons. with Research)]

SEMESTER SYSTEM

**Under Learning Outcome Based Curriculum Framework-Choice Based Credit System
(LOCF-CBCS) as per NEP-2020**

(w.e.f. Session 2024-25)

1. Scope

This Ordinance is based on National Education Policy-2020 (NEP-2020), Learning Outcome Based Curriculum Framework-Choice Based Credit System (LOCF-CBCS) and is according to the Curriculum and Credit Framework for UG Programmes (CCFUGP) of University Grants Commission and as per Memo No. DHE-170005/5/2023-Deputy Director-NPE dated June 8, 2023 regarding implementation of the key components of NEP-2020 in Colleges and Universities.

- (i) The duration of the programme for the award of Undergraduate Certificate in Discipline will be one academic year and of Undergraduate Diploma in Discipline will be two academic years. The duration of Bachelor Degree in discipline will be three academic years and that of Bachelor Degree (Honours)/Bachelor Degree (Honours with Research) in Discipline will be four academic years. Each academic year will be divided into two semesters i.e., July to December and January to June. There shall be teaching of 15 weeks/90 days in each semester excluding admission and examination days.
- (ii) The nomenclature of the Certificate/Diploma/Degree will be as under:
 - (a) UG Certificate in <discipline>
 - (b) UG Diploma in <discipline>
 - (c) Bachelor of <discipline>
 - (d) Bachelor of <discipline> (Hons.)
or
Bachelor of <discipline> (Hons. with Research)

2. Key Terms

- (i) **Learning Outcome based Curriculum Framework (LOCF):** The learning outcomes of the programme (POs) are mapped against well-defined Course Outcomes (COs).
- (ii) **Choice Based Credit System (CBCS):** The CBCS provides choices to students to select disciplinary and interdisciplinary courses to fit into their own requirements and to learn at their own pace within the framework.
- (iii) **Programme:** A programme is made up of courses/subjects and leads to the award of a Certificate or Diploma or Degree after completing requisite courses successfully.
- (iv) **Course/Subject:** A course/subject refers to component of a programme. A course/subject may comprise of lectures/tutorials/practicum or laboratory work/field

practice/project work/seminar/community engagement and service/internship/dissertation, etc. or any combination of these.

(v) **Credit:** A unit by which the course work is measured. It determines the number of hours of instructions required per week over the duration of one semester. For calculation of the teaching hours, one credit means one hour of lecture or one hour of tutorial or one hour of seminar or two hours of practicum/laboratory work per week over the duration of a semester.

(vi) **Lecture:** Component of a course/subject which is taught by a teacher through lectures covering the contents of a course/subject.

(vii) **Tutorial:** Component of a course/subject which involves problem-solving, learning through discussions and remedial teaching related to the contents and periphery of a course/subject with the direct involvement of a teacher.

(viii) **Practicum:** A course/subject or a component of a course/subject which enables students to learn or to attain skills or to get procedural knowledge for the contents of a course/subject through practical/laboratory activity/project and to apply the studied principles/theory/concepts related to the chosen field of learning, work/vocation, or professional practice in the field of learning, work/vocation under the supervision of a teacher.

(ix) **Seminar:** A course/subject or a component of a course/subject which makes students to learn a specific topic through in-depth exploration and analysis of facts about the topic in a set-up that involves presentation, interactive discussions and collaborative learning under the supervision of a teacher.

(x) **Internship:** A course/subject requiring students to participate in professional employment-related activity or work experience or co-operative education activity with an entity external to the educational institution normally under the supervision of an employee of an organization or an individual professional. A key aspect of the internship is induction into actual, formal and organized work situations. Internship involves working with local industry (Government or Private organizations), business establishments, artists, craft persons, etc. to provide opportunities for students to actively engage in on-site experiential learning.

(xi) **Studio Activity:** A studio activity involves engagement of students in creative, artistic or experimental activities involving visual, digital, audio, video and other professional experiential work.

(xii) **Field Work/Practice/Survey/Project:** A course/subject or a component of course/subject which enables students to participate in field-based learning/project, involving application of knowledge in solving/analyzing/exploring a real-life situation/difficult problem under the supervision of a teacher/mentor.

(xiii) **Project Work:** A course/subject or a component of a course/subject which facilitates students to apply their knowledge, skills and critical thinking ability to complete a specific task in a given time frame through conceptualization, exploration and analysis of research-based activities to suggest tangible solutions for a given problem related to the chosen field of learning.

(xiv) **Community Engagement and Service:** A course/subject or a component of a course/subject which exposes the students to the socio-economic issues prevailing in society so that the theoretical learning can be supplemented by actual life experiences to understand and generate solutions to real-life problems.

3. Courses

(i) **Discipline Specific Courses (DSC):** A major course as discipline specific course is the field of study (subject) in which a student focuses for understanding and skills majorly in the chosen field of learning contributing to the core of the programme. This may include Core, Elective and Skill-enhancement courses.

- (ii) **Minor Courses (MIC):** Minor course aims to expand student's knowledge beyond the major field of study (DSC). This will also include **Vocational Course (VOC)** that will assist student in developing work-force relevant skills through practical work and enhances the employability of student.
- (iii) **Multidisciplinary Courses (MDC):** These courses are based on introductory knowledge in a subject. A student will study MDC in a subject other than the discipline of Discipline Specific and Minor subjects/courses to gain knowledge across the disciplines.
- (iv) **Ability Enhancement Courses (AEC):** These courses aim at enabling the students to achieve competency in the English language or Modern Indian Languages or other foreign languages with special emphasis on language and communication skills.
- (v) **Skill Enhancement Courses (SEC):** These courses aim at imparting practical skills, hands-on training, soft skills, etc. to enhance the employability of students.
- (vi) **Value-Added Courses (VAC):** These courses aim at enabling the students to acquire and demonstrate the acquisition of knowledge and understanding of human values, Indian Knowledge System, contemporary India, environmental science and education, digital and technical solutions, health and wellness, yoga education, sports and fitness, etc.

4 Evaluation terms

- (i) **Letter Grade:** It is an index of the performance of a student in a course. Grades are denoted by letters O, A+, A, B+, B, C, P, F and Ab depending on the score earned in that course.
- (ii) **Grade Point:** It is a numerical value allotted to each letter grade on a 10-point scale.
- (iii) **Credit Point:** It is the product of grade point and number of credits for a course.
- (iv) **Semester Grade Point Average (SGPA):** It is a measure of performance of a student in a semester. It is the ratio of total credit points secured by a student in all the courses registered in a semester to the total of the credits of the courses taken during that semester. It shall be expressed up to two digits after decimal place.
- (v) **Cumulative Grade Point Average (CGPA):** It is a measure of overall cumulative performance of a student in a programme over all the semesters. The CGPA is the ratio of total credit points secured by a student in all the courses of the programme to the sum of the total credits of all the courses of the programme. It shall be expressed up to two digits after decimal place.
- (vi) **Detailed-Grade-Certificate:** Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The Detailed-Grade-Certificate (DGC) will display the course details (code, title, number of credits, grade secured) along with SGPA of that semester.

5 Academic Bank of Credits (ABC):

It is a virtual/digital mechanism that contains information of the credits earned by individual students throughout their learning journey in Higher Education Institutions in India recognized by UGC. The Automated Permanent Academic Account Registry (APAAR) ID is also being introduced as a pivotal component. The APAAR ID serves as a lifelong academic passport, consolidating all achievements and credential of a student in one place. This will help enabling student mobility across higher education institution.

6 Programme Duration and Multiple Exit Options

All programmes shall be offered as per UGC list of 'Specification of Degree' prevailing from time to time. The programme duration and options for multiple entry and exit will be as per UG Curriculum Framework Scheme-D (*Appendix-I; Table-I*).

- (i) A student will be allowed an exit option after passing first academic year of the UG Programme with requisite 52 credits including the 4 credits of internship of minimum of 4 weeks duration as per scheme of the programme and will be awarded an Undergraduate Certificate in the discipline (Commerce/Business Administration/Computer Applications/etc.) (*Appendix-I; Table-2*).
- (ii) A student will be allowed an exit option after passing two academic years of the UG Programme with requisite 96 credits including the 4 credits of internship of minimum of 4 weeks duration as per scheme of the programme and will be awarded Undergraduate Diploma in the discipline (Commerce/Business Administration/Computer Applications/etc.) (*Appendix-I; Table-2*).
- (iii) A student will be awarded with Bachelor degree in the discipline (Commerce/Business Administration/Computer Applications/etc.) after successfully completing three academic years of UG Programme and earning requisite 132 credits including the 4 credits of internship of minimum of 4 weeks duration as per scheme of the programme (*Appendix-I; Table-2*).
- (iv) A student, who has successfully completed three years programme in a discipline and has earned minimum 60 credits in that discipline can opt for Honours Programme in that discipline in the fourth year. If a Department/College/Institute allows to continue the students or admits the student for fourth year of Honours Programme, then the student will be awarded with Bachelor degree (Honours) in the Discipline after successfully completing four academic years of UG Programme and earning requisite 180 credits including the 4 credits of internship of duration 4 weeks as per scheme of the programme (*Appendix-I; Table-2*).

Further provided that a Department/College/Institute will be able to admit students for Honours programme only if the institution has got the approval for the same from the University after obtaining approval from Director, Higher Education (DHE), Government of Haryana, where ever applicable

- (v) A student, who has successfully completed three years degree in a discipline and has earned minimum 60 credits in that discipline and obtained CGPA of 7.5 or more can opt for Honours with Research Degree Programme in that Discipline in the fourth year. If a student opts to continue or is admitted by a eligible Department/College/Institute to Honours with Research Programme in the fourth year, then the student will be awarded with Bachelor degree (Honours with Research) in the Discipline after successfully completing four academic years of UG Programme and earning requisite 180 credits including the 4 credits of internship of duration 4 weeks and 12 credits of Project/Dissertation as per scheme of the programme (*Appendix-I; Table-2*).

Further provided that a Department/College/Institute will be able to admit students for Honours with Research Programme only if the institution has got the approval for the same from the university after obtaining approval from Director, Higher Education (DHE), Government of Haryana, where ever applicable.

7 Admission to a UG Programme under Multiple Entry

- (i) The Department/College/Institute shall declare approved total number of seats available discipline-wise each year for fresh and lateral admissions.
- (ii) The Department/College/Institute can plan the number of seats discipline-wise in consonance with the faculty and infrastructure available.
- (iii) A student can pursue two Undergraduate Programme simultaneously through Open and Distance Learning (ODL)/online mode; or combinations of ODL, online and regular modes, from the same or different Universities/Institutions duly approved

by the UGC/AICTE/Regulatory Body/Central Government/State Government, in various combinations, viz.

- A student can pursue two full-time UG Programme in physical mode provided that in such cases, class timings and examination schedule for one programme do not overlap with the class timings and examination schedule of the other programme, and requirements under clause 7(iv) are fulfilled.
- A student can pursue two UG Programme, one in full-time physical mode and another in ODL/online mode; or up to two ODL/online programmes simultaneously.

The Department/College/Institute and the University shall not be responsible for any such overlapping and consequences thereof.

(iv) Minimum Eligibility Conditions for Admission

A candidate who has passed Senior Secondary Certificate Examination (Class XII level) of the Board of School Education, Haryana; or any other examination recognized as equivalent thereto with minimum passing marks in aggregate with English as one of the subjects, shall be eligible to join First Semester of the Undergraduate (UG) Programme.

Further, eligibility conditions for admission to a programme shall be applicable as mentioned in the scheme of the concerned programme.

A candidate having 2-Year Diploma from ITI or 3-Year Diploma from Polytechnic of minimum 2 years duration qualified with Hindi Core/English as one subject or as an additional subject at Class XII level is also eligible for seeking admission in First Semester of the UG Programme in Arts discipline or in the disciplines wherever mentioned so.

Note: Eligibility conditions are subject to change according to the implementation of National Curriculum Framework (NCrF) for school education or in accordance with any such guidelines issued by the Central/State Government or issued by University from time to time.

(v) A student who has been placed under compartment or allowed to re-appear in one subject only in Senior Secondary Certificate Examination (Class XII level) of the Board of School Education, Haryana, or equivalent examination of another University/Board may be allowed to study provisionally for the First Semester of the UG programme. Such student shall pass the compartment/re-appear subject before commencement of the examination of 1st semester of the concerned UG Programme. If a student does not clear the compartment/re-appear subject even before the commencement of the 1st semester examination, her/his provisional admission to concerned UG Programme shall be cancelled ab initio by the Chairperson/Principal/Director with intimation to the University. However, the Vice-Chancellor may relax this condition, in exceptional cases, oneself or on the recommendations of a committee constituted by the Vice-Chancellor.

For such students, the required percentage of marks for admission shall be determined by considering the minimum pass marks in compartment/re-appear subject.

(vi) The student opting for exit must inform in writing to the Department/College/Institute by 30th June of every year. The student is allowed multiple entry into a UG Programme. For example, the student can re-enter into second year of a programme if she/he has taken an exit option after first year. Similarly, re-entry into the third year is allowed if exit option was exercised by a student after getting UG Diploma. In any case, the gap between the exit and the re-entry into the UG Programme should not be more than three years subject to completion of the whole UG Programme within seven years. Multiple entry shall be allowed in a Department/College/Institute subject to the availability of seats in that programme in that year in that Department/College/Institute. In case of re-entry, the scheme and syllabus currently running will be applicable.

(vii) Lateral admissions against sanctioned vacant seats may be filled by a Department/College/Institute category wise following the State Govt. norms for reservation in an odd semester. Lateral admission may be provided in the 3rd and 5th semesters if a student has passed all the preceding examinations up to 2nd and 4th semester, respectively of the concerned programme under NEP Curriculum Framework. However, this will be subject to fulfilment of other eligibility conditions for the programme in which the admission is sought.

First preference in the lateral admission will be given to the students of that Department/College/Institute who had taken exit from that programme and are seeking re-entry into the same institution, for this a cut-off-date will be notified by Department/College/Institute.

8 Subjects/Courses of UG Programmes

(i) A student of UG Programme (Interdisciplinary), herein after called Scheme-D, will study three courses of the discipline in each semester as prescribed in the scheme of the concerned programme.

(ii) A student will study Discipline Specific, Minor, Minor (Vocational), AEC, VAC, SEC and MDC courses as per Curriculum Framework Scheme-D (*Appendix-I; Table I*).

(iii) For 1st and 2nd semester of UG Programme (Interdisciplinary) (Scheme-D), a student can choose a Minor Course of 2 credit from the pool of Minor subjects/courses offered by the Department/College/Institute in that semester or as prescribed in the scheme of the concerned programme.

From 3rd semester onwards, a Minor Course will be of 4 credits and will be taken from the pool of the offered Minor Courses of that subject taken in the first and semesters.

(iv) A student will study three Multidisciplinary Courses (MDCs) in first three semesters. The Multidisciplinary Courses (MDCs) will be from the subject/course which is different from the Discipline Specific and Minor subjects/courses. Students are not allowed to choose or repeat courses already undergone at the Senior Secondary Level (Class XII) or Discipline Specific and Minor subjects/courses under this category. Provided further that if a Multidisciplinary Course (MDC) across the discipline cannot be offered by a Department/College/Institute, due to its constraints and available resources, then

- A subject from the same discipline can be offered as MDC course if that subject also belongs to the list of subjects of some other discipline.
- MDC can be opted out of MOOCs through SWAYAM.

- MDC can be completed out of online course(s) offered by GJUST.
- MDC can be completed from a cluster college i.e., from a neighbouring College/Institute or else.

Note: The student himself/herself has to pay the requisite fee and/or re-appear fee as applicable from time to time. Department/College/Institute shall not be responsible for any issue(s) related to MOOCs, online course(s) and from cluster college or else.

(v) A student will select AEC, SEC, VAC and Minor (Vocational) courses from a pool of respective courses offered in Department/College/Institute.

Depending upon the availability of faculty and infrastructure, a Department/College/Institute may offer AEC, SEC, VAC and Minor (Vocational) courses from the respective pool of courses duly approved by the College/University. University will review and revise such pools from time to time by taking proposals of Department/College/Institute into consideration.

(vi) A student will study VAC- 'Environmental Studies' which is mandatory and at least one SEC to gain computer competency before exit. The number of these courses will be offered by the Department/College/Institute according to the availability of faculty and infrastructure.

(vii) In the subjects/courses which involve practicum, i.e., Practical/Laboratory/Studio/Project/ Survey/Field work, etc., a course of 4 credits will dedicate 3 credits for lectures and one credit for practicum or 4 credits for lectures. In other subjects/courses not having practicum component, a course of 4 credits will dedicate 3 credits for lectures and 1 credit for tutorial or 4 credits for lectures.

During 4th year, if the practicum course is offered as a separate course in that subject, all the credits will be dedicated to practicum.

In the case, when tutorial of 1 credit is not adopted/implemented in a subject, then all the credits of that course will be dedicated to lectures only.

(viii) In case of AEC and VAC of 2 credits, the entire 2 credits will be allocated to lectures.

(ix) In the SEC courses of 3 credit, 2 credit will be allocated to lectures and 1 credit to practicum/Seminar/tutorial.

(x) In case of Minor (Vocational) courses/subjects, where practicum component is dominant, a course of 4 credits may allocate 2 credits to lectures and 2 credits to practicum. Similarly, a course of 4 credits may be divided into 2 credits of lectures and 2 credits of practicum in the subjects where the practicum component of the course is major and teaching-learning process mainly depends upon practicum, e.g. Music and Fine Arts.

9 Contact hours/workload

The weekly contact hours/workload for theory/practical/laboratory/studio/project/survey/field work, etc. components of the courses will be:

- (i) 1 credit theory/tutorial = 1 hour;
- (ii) 1 credit practical/laboratory/studio/project/survey/field work = 2 hours.
- (iii) The tutorial and practical/laboratory/studio/project/survey/field work will be conducted in groups of students and one group will comprise of 20 students.

10 Online Courses

With the permission of Department/College/Institute, a student can opt for online courses (at own level), up to 40% of the courses of the programme except Discipline Specific

Courses and Skill Enhancement courses, through online platform SWAYAM or online courses offered by GJUST, Hisar or through other such online platforms approved by the UGC as per university guidelines prevailing time to time.

11 Internship

Every student for the UG Programme shall be required to undergo 4 credits internship of minimum of 4 weeks duration before taking an exit or completing the degree programme.

- (i) A student for the UG Programme shall be required to undergo internship during summer vacation either after the second semester examination or after the fourth semester examination. If she/he opts to exit with Undergraduate Certificate in the discipline, then it shall be obligatory to complete the internship after second semester examination.

However, for those students who have taken lateral entry into the third semester and have completed internship of minimum of 4 weeks duration during first year, the internship is not required after the fourth semester examination

- (ii) A student will inform and get approval from the Chairperson/Principal/Director of the Department/College/Institute before going for an internship. The internship will involve working with local industry (Government or Private organizations/ Institutions), business establishments, artists, craft persons, or a professional (individual/organization). Student will submit a copy of the report (a hard copy and a soft copy in PDF) to the Department/College/Institute within 15 days after the completion of internship. A student must submit a certificate of attendance and work done report from the organization/professional where the internship was done. The evaluation of the internship shall be done by a committee comprising of at least two teachers appointed by the Chairperson/Principal/Director of the College/Institute. Marks will be awarded by the committee out of 100 marks on the basis of the report and viva-voce examination.
- (iii) The internship will be governed by the prevailing rules of the University from time to time.

12 Project/Dissertation

A student of fourth-year Bachelor Degree (Honours with Research) Programme will be required to work on the Research Project or do research during eighth semester. The Project/Dissertation work will be of 12 credits.

- (i) A student, who has been admitted in Honours with Research Programme, shall submit a request for allotment of a supervisor mentioning her/his research areas of interest in order of preference to the Chairperson/Principal/Director during seventh semester. The Department/College/Institute will allot a qualified supervisor to guide the student for doing research during Project/Dissertation work. A regular full-time teacher of that Department/College/Institute, who has been approved to supervise Ph.D. scholars by the university, will be eligible to guide the students of Honours with Research programme of that institution.
- (ii) The student will submit the synopsis to the supervisor. In case of University Teaching Department (UTD) the synopsis will be approved by the departmental research advisory committee after recommendation of the supervisor. In other cases, the

Principal/Director of College/Institute shall constitute a committee for this purpose at the College/Institute level. External experts may be involved wherever sufficient qualified regular teachers are not available.

- (iii) The student shall be required to submit three hard copies of her/his dissertation along with soft copy as PDF file to the Department/College/Institute by 30th June of the concerned year. The late submission can be allowed with late fees as decided by the university from time to time. The Anti-plagiarism policy of the university is to be strictly followed by the candidate and the supervisor. Similarity report as per Anti-plagiarism policy of the university is to be annexed with the dissertation.
- (iv) Evaluation of the dissertation shall be done by an external examiner. The dissertation work will be of total 12 credits (300 marks) and evaluation will be done in two components; report of dissertation (200 marks) and open viva-voce examination (100 marks)

13 Medium of Instructions and Examination

- (i) For Arts/Home Science/Commerce subjects, the medium of instructions shall be Hindi/English.
The question paper shall be set in both English and Hindi, wherever feasible, except in the case of
 - English, in which the questions shall be set in English.
 - Sanskrit, in which the questions shall be set in Sanskrit/Hindi.
 - Other languages, in which the questions shall be set in the language concerned.
- (ii) The students shall write their answers:
 - in English, in case of English language
 - in the language concerned, in the case of Modern Indian Languages
 - English/Hindi in the case of other subjects.
- (iii) For Physical Sciences/Life Sciences Subjects/Courses, the medium of instructions shall be mainly English. Hindi medium will also be offered wherever feasible and approved by the university. The question paper shall be set in English. Bilingual question paper (s) will be provided, wherever possible and approved by the university. The students can write their answers in English/Hindi depending on the medium of instructions and language of the course content/syllabus.

14 Programme and Course Learning Outcomes

Individual programmes of study will have well defined learning **Programme Outcomes (POs)** which should be attained for the award of a specific Certificate/Diploma/Degree.

Each course will have well defined learning **Course Outcomes (COs)** specific to the learning for a given course of study related to a disciplinary or interdisciplinary/multi-disciplinary area. Course Outcomes (COs) will be mapped to Programme Outcomes (POs). The attainment of Course Outcomes will lead to the attainment of the Programme Outcomes.

15 Assessment and Evaluation

(i) Student Progression and Mentoring

Each student shall be examined in the course(s) to help their progression through the programme as laid down in the scheme, syllabus and learning outcomes through a system of Continuous Comprehensive Assessment (CCA) using a mix of Internal and End-Term evaluation.

- Internal Assessment will be broadly 30% of the total marks and weightage of 70% shall be given to evaluation of End-Term examination(s).
- Internal Assessment (30%) shall be broadly based on the following defined components: Class Participation; Seminar/Presentation/Assignment/Quiz/Class Test, etc. in case of Theory examination and Seminar/Demonstration/Viva-Voce/Lab record, etc. in case of Practical examination; Mid-Term Exam.
- Internal Assessment Marks will be further distributed as per following tables:

Course Composition- Theory/(Theory + Tutorial)			
Course Credit	Internal	End-Term Exam	Total Marks
2	15	35	50
3	25	50	75
4	30	70	100

Course Composition- Theory + Practical						Total Marks
Course Credit		Theory		Practical		Total Marks
Theory	Practical	Internal Marks	External Marks	Internal Marks	External Marks	
1	1	10	20	5	15	50
2	1	15	35	10	15	75
3	1	20	50	10	20	100
2	2	15	35	15	35	100
0	4	-	-	30	70	100

Total Internal Marks (Theory)	Class participation	Seminar/Presentation/Assignment/Quiz/Class Test, etc.	Mid-term exam
10	4	-	6
15	4	4	7
20	5	5	10
25	5	7	13
30	5	10	15

Total Internal Marks (Practicum)	Class participation	Seminar/Presentation/Assignment/Quiz/Class Test, etc.	Mid-term exam
5	-	5	-
10	-	10	-
15	5	10	-
30	5	10	15

- A student has to obtain minimum 40% marks (Grade 'P') in aggregate (sum of the Internal Assessment and End-Term Examination marks) and in End-Term Examination separately to qualify a course.
- (ii) The pass percentage will be 40% (Grade 'P') both for theory and practicum End-Term Examination.
- (iii) The Chairperson/Principal/Director shall ensure uploading of the Internal Assessment marks at least one week before the commencement of the End-Term Semester Examinations on the examination portal of the University or as notified by the Controller of Examinations of the University.
- (iv) Internal Assessment marks of a course shall be carried forward in case of re-appear examination of that course.
- (v) The Chairperson/Principal//Director shall preserve the record on the basis of which the Internal Assessment awards have been prepared, for inspection, if needed by the university, for one year from the date of declaration of semester examination results.

16 Eligibility for Examination

End-Term Examination shall be open to a regular student who

- (i) has been on the rolls of the Department/College/Institute during the semester.
- (ii) has passed the requisite qualifying examination as laid down above, if she/he is a candidate for the First Semester Examination.
- (iii) has her/his examination form submitted to the Examinations Branch through the Chairperson/Principal/Director of the concerned Department/College /Institute.
- (iv) has attended not less than 75% of the lectures in a course. This requirement shall be fulfilled separately for each course of the programme. A deficiency in the prescribed course (Lectures/Practicum, etc.) may be condoned by the Chairperson/Principal/ Director of the Department/College/Institute in deserving cases up to 15% (excluding 2% additional for Girl/Women student). These shall also include loss of attendance due to participation in the cultural and sports assignments, etc. Provided that, a student who participates in the Inter-University Tournaments or Inter University Youth festivals or Republic Day Parade may be allowed additional condonation on this ground up to 10% in each paper on a certificate from the Dean/Director, Sports/Youth Welfare/Cultural Affairs, Placement Cell, NSS, ANO, NCC, YRC as the case may be, subject to the condition that such a student shall not be allowed to appear in the examination if his/her attendance, after condonation on all counts, falls below 50%.
- (v) Provided that a candidate who has not attended the requisite percentage of lectures/practicum shall not be eligible to take the End-Term Examination in the concerned theory/practicum unless she/he repeats the course and obtains requisite attendance.

17 Duration for Passing the Programme

- (i) A student can complete a Bachelor degree programme within seven years. A student who fails to pass the whole examination(s) of a UG programme within seven years of admission to the programme, shall be awarded Undergraduate Certificate/Diploma on the basis of qualified courses as per credit point, if eligible (*Appendix-I; Table 2*).

(ii) Each student will have to open an Academic Bank of Credit (ABC) account immediately for admission or during admission if admitted. At the end of each semester, credits earned by the students will be uploaded in her/his respective ABC account. A student registered in ABC account for a programme will be allowed to complete the respective programme within seven years or as per the time period stipulated in the ABC for accumulation of credits from time to time or within the period as prescribed by the university for the purpose.

18 Conditions for Promotion to Higher Semester and Rules for Re-appear

(i) A student who has appeared and failed in one or more courses of the First Semester shall be allowed to study for and appear in the second semester. Such a student may pursue her/his studies for the next higher semester(s) and appear in the examination(s) for the same along with the examination for the lower semester(s).

(ii) A candidate who has attended the prescribed classes of a course(s) of a programme in the Department/College/Institute in a semester and was eligible but did not appear in the End-Term examination or has appeared but fails, may be allowed on the recommendation of the Chairperson/Principal/Director of the Department/College/Institute to appear/re-appear as an ex-student in the End-Term examinations of that course(s) as the case may be, in the subsequent semesters examination up to two times when such examination(s) are held without attending the course(s) again. While re-appearing in the examination, the student shall be exempted from appearing in the course(s)/practical(s) in which she/he has obtained pass marks.

Provided that after completion of regular studies for the whole duration of a programme, the candidate will be allowed to appear in examination as an ex-student/private for the re-appear/left out courses under the permissible chances, within the prescribed time period to complete the programme.

(iii) A candidate who could not complete or has failed in a project/internship, she/he will get only one chance to repeat the project work at the end of the next Semester. Further, if the candidate still fails or remains absent in the project/internship, then she/he will not be eligible for the award of the concerned UG Certificate/Diploma/Degree.

19 Examinations and Result

(i) End-Term Examinations for the odd semesters shall ordinarily be held in November/December and for the even semesters in May/June, on such dates as may be notified by the Controller of Examinations from time to time.

(ii) Supplementary examinations will be held for Re-appear candidates as under:

Semester	When held
Odd Semester	Along with the First, Third and Fifth Semester
Even Semester	Along with the Second, Fourth and Sixth Semester

(iii) The last date(s) by which the examination forms shall be uploaded on the examination portal shall be as per the schedule notified by the Controller of Examinations from time to time.

- (iv) The amount of examination fee to be paid by a student for each semester shall be as prescribed by the University from time to time.
- (v) The minimum Semester Grade Point Average (SGPA) to qualify a semester shall be 4.00 and minimum Cumulative Grade Point Average (CGPA) required for the award of the UG Certificate/Diploma/Degree shall be 4.00.
- (vi) The Examination Branch shall prepare the Grade/Result and the Controller of Examinations will notify the same.
- (vii) If a student is not able to pass any semester examination during her/his regular studies in the programme, her/his pass credits will be accumulated in the Academic Bank of Credits (ABC) and she/he can pass the deficient courses any time within seven years or as stipulated in the Academic Bank of Credits from time to time.
- (viii) A student who discontinues her/his studies at any point of time may be permitted to re-join the programme of study and complete balance credits.
- (ix) **Award of Grades**

Award of grades and the corresponding grade points will be based on absolute marks as per the following table:

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

- The multiplication factor for conversion from SGPA/CGPA to equivalent percentage of marks shall be 10.
- A candidate eligible to take the examination obtaining Grade 'F'/'Ab' will be considered to have failed in the examination/course(s). Such a student will be required to re-appear in that examination/course(s) within the permissible chances.

20 Computation of SGPA and CGPA

The following shall be the procedure to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

- (i) The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a candidate in all the courses taken by the candidate in a semester to the sum of the number of credits of all the courses undertaken by the candidate in that semester, i.e.

$$SGPA (Sj) = \frac{\sum(Ci \cdot Gi)}{\sum Ci}$$

where C_i is the number of credits of the i^{th} course and G_i is the grade point scored by the student in the i^{th} course in the j^{th} semester.

- (ii) The 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.

$$CGPA (Sj) = \frac{\sum(Nj + Sj)}{\sum Nj}$$

where Sj is the SGPA of the j^{th} semester and Nj is the total number of credits in that semester.

- (iii) The SGPA and CGPA shall be rounded off to 2 digits after decimal place and shall be reported in the Detail-Grade-Certificate (DGC).

A merit list will be prepared for a programme and Gold Medal will be awarded to a candidate securing highest CGPA provided the candidate must have passed all the semester examinations in the first attempt and within minimum duration of the programme. In case, when more than one student have the same CGPA, then Gold Medal shall be decided on the basis of actual obtained marks in the programme.

21 Improvement

- (i) A candidate who has passed a UG Programme from GJUST, Hisar and is desirous of improving her/his CGPA in the respective programme (Certificate/Diploma/Degree/Degree (Hons.)), will be allowed to appear within next four Semester examinations of passing the sixth semester examination to appear as an ex-student in one or more theory course(s) of any one or two parts, out of Part-I (Semester I & II), Part-II (Semester III & IV), Part-III (Semester V & VI) and Part IV (Semester VII & VIII) separately in four consecutive semester examinations and shall pay examination fee as for the whole semester examination in which she/he opts to appear. The rules, syllabus and fees for improvement examinations shall be applicable as prevailing at that time or as prescribed by the university from time to time.
- (ii) The result of improvement examinations shall be declared only if a candidate improves her/his CGPA of the respective programme. Provided further that if a student does not want to avail the remaining chances out of permissible four total chances for improvement, then she/he will submit an undertaking to this effect for declaration of her/his final result. The fact that student has improved the performance/grade shall be mentioned in the Detailed-Grade-Certificate (DGC).
- (iii) Improvement shall not be allowed in Internal Assessment/Practical/Internship/Field Work/Project/Seminar/Studio etc.

22 Award of Grace Marks

Grace marks will be awarded according to the university rules prevailing from time to time.

- 23 The ordinance in force at the time a student joins the programme shall hold good only for the examination held during or at the end of the academic year and nothing in this ordinance shall be deemed to debar the university from amending the ordinance and the amended ordinance, if any, shall apply to all the students whether old or new.
- 24 (i) In the event of any inconsistency in the rules or any clarification thereof, the matter shall be referred to the Vice-Chancellor for interpretation, whose decision shall be final. The Vice-Chancellor is also competent to remove any

inconsistency/make amendment in rules at any time and decide which provision shall take precedence over the other.

(ii) The Vice-Chancellor is authorized to make changes/amendments in the ordinance of different Schemes for effective implementation of Curriculum and Credit Framework of Undergraduate and Integrated 5 years Programmes under National Education Policy 2020.

(iii) Notwithstanding anything mentioned above, the Vice-Chancellor can relax any rule in exceptional cases or when situation demands so.

25 Transitory Provision

Students admitted to UG Programmes under semester system in Department/College/Institute prior to that academic session 2024-25 shall be governed by the old rules as applicable for that programme for that session. The present rules shall be applicable to the students who take admission in a programme according to Curriculum and Credit Framework for UG Programme (CCFUGP) as per NEP-2020 w.e.f. the academic session 2024-25.

Table 1: UG programme (Single Major from first semester); Scheme-D

Appendix-I

Semester	Discipline Specific Courses (DSC)		Minor/ Vocational Courses (MIC)	Multidisciplinary Courses (MDC)	Ability Enhancement Course (AEC)	Skill Enhancement Course (SEC)	Value Added Courses (VAC)	Total credits	Exit option
I	DSC-A1 4 credits	DSC-B1 4 credits	DSC-C1 4 credits	MIC-1 2 credits	MDC-1 3 credits	AEC-1 2 credits	SEC-1 3 credits	VAC-1 2 credits	Undergraduate Certificate in Discipline with 52 credits
II	DSC-A2 4 credits	DSC-B2 4 credits	DSC-C2 4 credits	MIC-2 2 credits	MDC-2 3 credits	AEC-2 2 credits	SEC-2 3 credits	VAC-2 2 credits	24
Internship of 4 credits of 4 weeks duration after 2nd semester									
III	DSC-A3 4 credits	DSC-B3 4 credits	DSC-C3 4 credits	MIC-3 3 credits	MDC-3 2 credits	AEC-3 3 credits	SEC-3 3 credits	24	Undergraduate Diploma in Discipline with 96 credits
IV	DSC-A4 4 credits	DSC-B4 4 credits	DSC-C4 4 credits	MIC-4 (V) 4 credits		AEC-4 2 credits	VAC-4 2 credits	20	
Internship of 4 credits of 4 weeks duration after 4th semester (if not done after 2nd semester)									
V	DSC-A5 4 credits	DSC-B5 4 credits	DSC-C5 4 credits	MIC-5 (V) 4 credits		Internship 4 credits	20	20	Bachelor in Discipline with 132 credits
VI	DSC-A6 4 credits	DSC-B6 4 credits	DSC-C6 4 credits	MIC-6 4 credits	MIC-7 (V) 4 credits			20	
				24 credits	9 credits	8 credits	9 credits + Internship 4 credits	6 credits	132
				72 credits					

Four credits of internship, earned by a student during summer internship after 2nd semester or 4th semester, will be taken into account in 5th semester of a student who pursue 3 years UG Programme without taking exit option.

Fourth year (Honours programme)						
Semester	Discipline Specific Courses		Minor Courses	Total credits	Degree to be awarded	
	Core	Elective	Practicum			
VII	DSC-H1 4 credits DSC-H2 4 credits DSC-H3 4 credits	DSC- H1/H2/H3 (E) 4 credits	DSC-H1/H2/H3 (P) 4 credits	MIC-7 4 credits 24		Bachelor (Honours) in Major subject with 180 Credits
VIII	DSC-H4 4 credits DSC-H5 4 credits DSC-H6 4 credits	DSC-H4/H5/H6 (E) 4 credits	DSC-H4/H5/H6 (P) 4 credits	MIC-8 4 credits 24		
OR						
VII	DSC-H1 4 credits DSC-H2 4 credits DSC-H3 4 credits	DSC- H1/H2/H3 (E) 4 credits	DSC-H1/H2/H3 (P) 4 credits	MIC-7 4 credits 24		Bachelor (Honours with Research) in Major subject with 180 Credits
VIII	DSC-H4 4 credits DSC-H5 4 credits	Project/Dissertation 12 credits		MIC-8 4 credits 24		

Table 2: Credit Point Table for 4-year UG Programme (Single Major from first semester): Scheme-D

Appendix-I

Sr. No.	Courses	Credits earned after			
		First year	Second year	Third year	Fourth year
1	Discipline Specific Course (DSC)	24	48	72	112
2	Minor Course (MIC)	4	12	24	32
3	Multidisciplinary Courses (MDC)	6	9	9	9
4	Ability Enhancement Courses (AEC)	4	8	8	8
5	Skill Enhancement Courses (SEC)	6	9	9	9
6	Value Added Courses (VAC)	4	6	6	6
7	Internship	4*	4*	4	4
8	Research				12
Total		52	96	132	180

*added in case of exit from
programme

Notes for Tables:

- i.; Discipline Specific Courses (DSC), Minor courses (MIC) including vocational (VOC), Ability Enhancement Courses (AEC); Value Added Courses (VAC); Multidisciplinary Courses (MDC), Core courses, Elective courses and Practicum Course of this programme.
- ii. A student of UG Programme (Major) will study as per scheme of the programme.
- iii. A student will study Discipline Specific Courses (DSC) including Core, Elective and Practicum courses from the major subject as per scheme of the programme.
- iv. A student will study AEC, VAC, SEC, MDC and Minor (Vocational) Courses from the respective pools of the courses offered by Department/College/Institute duly approved by the University
- v. Minor subject will be different from the Major subject in the same discipline. Minor Course will be of 4 credits and will be taken out of the offered Core Courses of that subject (Minor subject).
- vi. A student will opt for MDC course from the subject which is different from the discipline of major subjects and should also be different from the courses undergone at senior secondary level (Class XII).
- vii. 4-year UG (Honours) or (Honours with Research) in Major Subject will be offered after completion of 3-Year UG programme (Single Major) to those students who have completed at least 60 credits in the concerned Major Subject. In addition to the above, 4-Year UG (Honours with Research) in Major Subject will be offered only to those students who have obtained CGPA 7.5 or more in the 3-Year UG programme.
- viii. In addition to the defined practicum courses, the practicum courses may include seminar or other activities as recommended by the concerned Board of Studies in case of Non-Practicum subjects. The Practicum course may be replaced by a theory course wherever Board of Studies decides so.



GURU JAMBHESHWAR UNIVERSITY OF SCIENCE AND TECHNOLOGY, HISAR
 (Established by State Legislature Act 17 of 1995)
 'A+' Grade, NAAC Accredited State Govt. University

No. Acad./AC-I/2024/3514-3598
 Dated: 06-07-2024

To

1. All Deans of Faculties
2. All Chairpersons of the University Teaching Departments/Director, HSB
3. All Principals of the affiliated degree Colleges
GJUST, Hisar

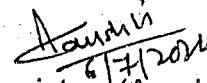
Sub: Ordinance governing UG Programme (Multidisciplinary) Scheme-A for affiliated degree College as per National Education Policy-2020- List of Discipline Specific Courses (DSC) Minor Courses (MIC) and Pool of Multidisciplinary Course (MDC), Pool of Ability Enhancement Course (AEC), Pool of Skill Enhancement Course(SEC) and Pool of Value Added Course (VAC) and Coding pattern etc. w.e.f. the session 2024-25.

Sir/ Madam,

I am directed to inform you that the Vice-Chancellor, under Section 11(5) of the University Act, 1995 in anticipation approval of the Academic Council, is pleased to approve the proceedings of the Committee held on 27.06.2024 alongwith Ordinance governing UG Programme (Multidisciplinary) Scheme-A for affiliated degree College as per National Education Policy-2020 as well as list of Discipline Specific Courses (DSC), Minor Courses (MIC), Pool of Multidisciplinary Course (MDC), Pool of Ability Enhancement Course (AEC), Pool of Skill Enhancement Course(SEC) and Pool of Value Added Course (VAC) and Coding pattern etc. for preparation of Scheme and Syllabi of UG Programmes for implementation of NEP-2020 and admission process w.e.f. the session 2024-25 at affiliated degree Colleges (copy enclosed).

You are, therefore, requested to take necessary action, accordingly.

Yours faithfully


 Assistant Registrar (Academic)
 For Registrar

DA/As above

C.C.:

1. Dean Academic Affairs, GJUST, Hisar
2. Dean of Colleges, GJUST, Hisar
3. Controller of Examinations, GJUST, Hisar
4. OSD to Vice-Chancellor (for kind information of the Vice-Chancellor), GJUST, Hisar.
5. Secretary to Registrar (for kind information of the Registrar), GJUST, Hisar.



GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR
(Established by State Legislature Act 17 of 1995)
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PROCEEDINGS OF THE MEETING OF THE COMMITTEE CONSTITUTED BY THE VICE-CHANCELLOR HELD ON 27.06.2024 AT 10:00 AM IN THE COMMITTEE ROOM OF VICE-CHANCELLOR'S OFFICE TO DECIDE ALL ISSUES RELATED TO IMPLEMENTATION OF NEP-2020 IN AFFILIATED COLLEGES

The following were present:

1. Dean Academic Affairs	Convener
2. Dean of Colleges	
3. Dean, Faculty of Physical Sciences & Technology	
4. Dean, Haryana School of Business	
5. Dean, Faculty of Humanities and Social Sciences	
6. Dean, Faculty of Environmental and Bio Sciences & Technology	
7. Dean, Faculty of Engineering and Technology	
8. Dr. Mahavir Parshad, Associate Professor, Department of Chemistry, Deputy Nodal Officer NEP-2020	
9. Principal, D.N. College, Hisar	
10. Assistant Registrar (Academic)	

Special Invitees:

1. Dr. Anil Bhankhar, Chairperson, Department of Allied Health Sciences
2. Nodal Officer (NEP-2020), D. N. College, Hisar
3. Nodal Officer (NEP-2020), F. C. College for Women, Hisar

Above said Committee was constituted by the Vice-Chancellor to decide various issues of affiliated degree colleges related to implementation of NEP-2020. The Dean Academic Affairs has given a detailed presentation on various aspects of NEP-2020. After presentation and detailed discussion, the Committee recommends the following:

- i) The draft ordinance of the undergraduate programmes under Scheme 'A' has been discussed and finalized. On the similar pattern, the ordinances under Scheme 'B', Scheme 'C' and Scheme 'D' have also been prepared and finalized accordingly.
- ii) The Committee recommends that the combination of subjects for Discipline Specific Courses (DSC) for Bachelor of Arts, Bachelor of Physical Sciences, Bachelor of Life-Science and other disciplinary programmes under NEP-2020 for affiliated degree colleges of GJUST, Hisar for the academic session 2024-25 has already been conveyed to Director General, Higher Education Haryana vide letter dated 24.05.2024 be followed while preparing the Scheme and Syllabi.
- iii) The pool of Minor Courses (MIC), Multi Disciplinary Course (MDC), Skill Enhancement Courses (SEC), Ability Enhancement Courses (AEC) and Value Added Courses (VAC) have been discussed and finalized.

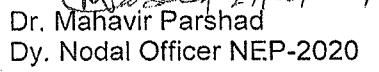
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- iv) The Committee considered the pool of Minor Courses, which were already submitted to the Director General, Higher Education vide letter dated 31.05.2024 have been reconsidered on the recommendation of affiliated colleges and recommends that the Language Course (English and Hindi) are not to be made compulsory under Minor Courses (MIC).
- v) The Scheme of Examinations and Coding pattern for affiliated colleges has been discussed and finalized.
- vi) The scheme of examinations and syllabi of all the undergraduate programmes being run by the affiliated degree colleges will be prepared by the respective Chairperson/ Dean of the Faculty concerned on top priority basis as per the framework and various type of schemes applicable and conveyed by the UGC and State Government, regarding implementation of NEP-2020. Further, the framework of various Schemes i.e. Scheme 'A', 'B', 'C' and 'D', ordinances/ guidelines/ instructions regarding NEP-2020 issued by the Dean Academic Affairs/ Dean of Colleges/ Academic Branch may also be followed while preparing the scheme of examinations and syllabi of all undergraduate programmes for the session 2024-25 under NEP-2020. Special attention is required while preparing the scheme of examinations and syllabi for the session 2024-25 in a time-bound manner, as the classes are to be started very soon.
- vii) The Committee recommends that the formation of class section i.e. strength of students, if conveyed by the Director Higher Education, the same will be followed. If Director, Higher Education has not conveyed any instructions/ guidelines in this regard, then the strength of students be considered as upto 60 for formation of a section in case of theory subjects.
- viii) The guidelines of Director Higher Education, for creation of Group for practical subject be followed. If no guidelines have been received from Director Higher Education in this regard, then strength of 20 students is required to create a group of practical subject.
- ix) To resolve the issue of Mathematics subject as part of Eligibility of BCA programme, a separate Committee may be constituted to revise the eligibility criteria from the next academic session i.e. 2025-26.

DKumar
27/06/24

Dean Academic Affairs and
Nodal Officer NEP-2020


Dean, RSB

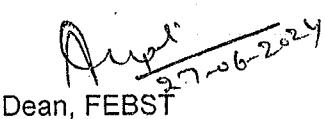

Dr. Mahavir Parshad
Dy. Nodal Officer NEP-2020

Sanjay
27/06/24

Dean of Colleges


Dean, FHSS 27/06/24

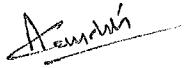
Principal, D.N.College
Hisar


Dean, FEBST

DKumar
27/06/24

Dean, FPST


Dean, FET


Asstt. Registrar (Academic)


27/06/24



Guru Jambheshwar University of Science and Technology
Hisar-125001, Haryana
('A+' NAAC Accredited State Govt. University)



Ordinance governing UG Programme (Multidisciplinary) for affiliated degree College
as per National Education Policy-2020

SCHEME-A
(UG Certificate, UG Diploma and Bachelor Degree)
SEMESTER SYSTEM

**Under Learning Outcome Based Curriculum Framework-Choice Based Credit System
(LOCF-CBCS) as per NEP-2020**
(w.e.f. Session 2024-25)

1. Scope

This Ordinance is based on National Education Policy-2020 (NEP-2020), Learning Outcome Based Curriculum Framework-Choice Based Credit System (LOCF-CBCS) and is according to the Curriculum and Credit Framework for UG Programmes (CCFUGP) of University Grants Commission and as per Memo No. DHE-170005/5/2023-Deputy Director-NPE dated June 8, 2023 regarding implementation of the key components of NEP-2020 in Colleges and Universities.

- (i) The duration of the programme for the award of Undergraduate Certificate in Discipline will be one academic year and of Undergraduate Diploma in Discipline will be two academic years. The duration of Bachelor Degree in discipline will be three academic years. Each academic year will be divided into two semesters i.e., July to December and January to June. There shall be teaching of 15 weeks/90 days in each semester excluding admission and examination days.
- (ii) The nomenclature of the Certificate/Diploma/Degree will be as under:
 - (a) UG Certificate in Arts or UG Certificate in Physical Sciences or UG Certificate in Life Sciences
 - (b) UG Diploma in Arts or UG Diploma in Physical Sciences or UG Diploma in Life Sciences
 - (c) Bachelor of Arts or Bachelor of Science (Physical Sciences) or Bachelor of Science (Life Sciences)

2. Key Terms

- (i) **Learning Outcome based Curriculum Framework (LOCF):** The learning outcomes of the programme (POs) are mapped against well-defined Course Outcomes (COs).
- (ii) **Choice Based Credit System (CBCS):** The CBCS provides choices to students to select disciplinary and interdisciplinary courses to fit into their own requirements and to learn at their own pace within the framework.
- (iii) **Programme:** A programme is made up of courses/subjects and leads to the award of a Certificate or Diploma or Degree after completing requisite courses successfully.
- (iv) **Course/Subject:** A course/subject refers to component of a programme. A course/subject may comprise of lectures/tutorials/practicum or laboratory work/field practice/project work/seminar/community engagement and service/internship/dissertation, etc. or any combination of these.

(v) **Credit:** A unit by which the course work is measured. It determines the number of hours of instructions required per week over the duration of one semester. For calculation of the teaching hours, one credit means one hour of lecture or one hour of tutorial or one hour of seminar or two hours of practicum/laboratory work per week over the duration of a semester.

(vi) **Lecture:** Component of a course/subject which is taught by a teacher through lectures covering the contents of a course/subject.

(vii) **Tutorial:** Component of a course/subject which involves problem-solving, learning through discussions and remedial teaching related to the contents and periphery of a course/subject with the direct involvement of a teacher.

(viii) **Practicum:** A course/subject or a component of a course/subject which enables students to learn or to attain skills or to get procedural knowledge for the contents of a course/subject through practical/laboratory activity/project and to apply the studied principles/theory/concepts related to the chosen field of learning, work/vocation, or professional practice in the field of learning, work/vocation under the supervision of a teacher.

(ix) **Seminar:** A course/subject or a component of a course/subject which makes students to learn a specific topic through in-depth exploration and analysis of facts about the topic in a set-up that involves presentation, interactive discussions and collaborative learning under the supervision of a teacher.

(x) **Internship:** A course/subject requiring students to participate in professional employment-related activity or work experience or co-operative education activity with an entity external to the educational institution normally under the supervision of an employee of an organization or an individual professional. A key aspect of the internship is induction into actual, formal and organized work situations. Internship involves working with local industry (Government or Private organizations), business establishments, artists, craft persons, etc. to provide opportunities for students to actively engage in on-site experiential learning.

(xi) **Studio Activity:** A studio activity involves engagement of students in creative, artistic or experimental activities involving visual, digital, audio, video and other professional experiential work.

(xii) **Field Work/Practice/Survey/Project:** A course/subject or a component of course/subject which enables students to participate in field-based learning/project, involving application of knowledge in solving/analyzing/exploring a real-life situation/difficult problem under the supervision of a teacher/mentor.

(xiii) **Project Work:** A course/subject or a component of a course/subject which facilitates students to apply their knowledge, skills and critical thinking ability to complete a specific task in a given time frame through conceptualization, exploration and analysis of research-based activities to suggest tangible solutions for a given problem related to the chosen field of learning.

(xiv) **Community Engagement and Service:** A course/subject or a component of a course/subject which exposes the students to the socio-economic issues prevailing in society so that the theoretical learning can be supplemented by actual life experiences to understand and generate solutions to real-life problems.

3 Courses

(i) **Discipline Specific Courses (DSC):** A major course/subject as discipline specific course is the field in which a student focuses for understanding and skills majorly in the chosen field of learning contributing to the core of the programme. This may include Core, Elective and Skill-enhancement courses.

(ii) **Minor Courses (MIC):** Minor course/subject aims to expand student's knowledge beyond the major field of study. This will also include **Vocational Course (VOC)**

that will assist student in developing work-force relevant skills through practical work and enhances the employability of student.

- (iii) **Multidisciplinary Courses (MDC):** These courses are based on introductory knowledge in a subject. A student will study MDC in a subject other than the discipline of Discipline Specific and Minor subjects/courses to gain knowledge across the disciplines.
- (iv) **Ability Enhancement Courses (AEC):** These courses aim at enabling the students to achieve competency in the English language or Modern Indian Languages (MIL) with special emphasis on language and communication skills.
- (v) **Skill Enhancement Courses (SEC):** These courses aim at imparting practical skills, hands-on training, soft skills, etc. to enhance the employability of students.
- (vi) **Value-Added Courses (VAC):** These courses aim at enabling the students to acquire and demonstrate the acquisition of knowledge and understanding of human values, Indian Knowledge System (IKS), contemporary India, environmental science and education, digital and technical solutions, health and wellness, yoga education, sports and fitness, etc.

4 Evaluation terms

- (i) **Letter Grade:** It is an index of the performance of a student in a course. Grades are denoted by letters O, A+, A, B+, B, C, P, F and Ab depending on the score earned in that course.
- (ii) **Grade Point:** It is a numerical value allotted to each letter grade on a 10-point scale.
- (iii) **Credit Point:** It is the product of grade point and number of credits for a course.
- (iv) **Semester Grade Point Average (SGPA):** It is a measure of performance of a student in a semester. It is the ratio of total credit points secured by a student in all the courses registered in a semester to the total of the credits of the courses taken during that semester. It shall be expressed up to two digits after decimal place.
- (v) **Cumulative Grade Point Average (CGPA):** It is a measure of overall cumulative performance of a student in a programme over all the semesters. The CGPA is the ratio of total credit points secured by a student in all the courses of the programme to the sum of the total credits of all the courses of the programme. It shall be expressed up to two digits after decimal place.
- (vi) **Detailed-Grade-Certificate:** Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The Detailed-Grade-Certificate (DGC) will display the course details (code, title, number of credits, grade secured) along with SGPA of that semester.

5 Academic Bank of Credits (ABC):

It is a virtual/digital mechanism that contains information of the credits earned by individual students throughout their learning journey in Higher Education Institutions in India recognized by UGC. The Automated Permanent Academic Account Registry (APAAR) ID is also being introduced as a pivotal component. The APAAR ID serves as a lifelong academic passport, consolidating all achievements and credential of a student in one place. This will help enabling students mobility across higher education institution.

6 Programme Duration and Multiple Exit Options

All programmes shall be offered as per UGC list of 'Specification of Degree' prevailing from time to time. The programme duration and options for multiple entry and exit will be as per UG Curriculum Framework- Scheme-A (*Appendix-I; Table-1*).

- (i) A student will be allowed an exit option after passing first academic year of the UG Programme with requisite 52 credits including the 4 credits of internship of

minimum of 4 weeks duration as per scheme of the programme and will be awarded an **Undergraduate Certificate in the discipline** (Arts/Physical Sciences/Life Sciences/etc.) (*Appendix-I; Table-2*).

(ii) A student will be allowed an exit option after passing two academic years of the UG Programme with requisite 96 credits including the 4 credits of internship of minimum of 4 weeks duration as per scheme of the programme and will be awarded **Undergraduate Diploma in the discipline** (Arts/ Physical Sciences/Life Sciences/etc.) (*Appendix-I; Table-2*).

(iii) A student will be awarded with **Bachelor degree in the discipline** (Arts/Physical Sciences/Life Sciences/etc.) after successfully completing three academic years of UG Programme and earning requisite 132 credits including the 4 credits of internship of minimum of 4 weeks duration as per scheme of the programme (*Appendix-I; Table-2*).

7 Admission to a UG Programme under Multiple Entry

(i) The Department/College/Institute shall declare approved total number of seats available discipline-wise each year for fresh and lateral admissions.

(ii) The Department/College/Institute can plan the number of seats discipline-wise in consonance with the faculty and infrastructure available.

(iii) A student can pursue two Undergraduate Programme simultaneously through Open and Distance Learning (ODL)/online mode; or combinations of ODL, online and regular modes, from the same or different Universities/Institutions duly approved by the UGC/AICTE/Regulatory Body/Central Government/State Government, in various combinations, viz.

- A student can pursue two full-time UG Programme in physical mode provided that in such cases, class timings and examination schedule for one programme do not overlap with the class timings and examination schedule of the other programme, and requirements under clause 7(iv) are fulfilled. The Department/College/Institute and the University shall not be responsible for any such overlapping and consequences thereof.
- A student can pursue two UG Programme, one in full-time physical mode and another in ODL/online mode; or up to two ODL/online programmes simultaneously.

(iv) Minimum Eligibility Conditions for Admission

A candidate who has passed Senior Secondary Certificate Examination (Class XII level) of the Board of School Education, Haryana; or any other examination recognized as equivalent thereto with minimum passing marks in aggregate with English as one of the subjects, shall be eligible to join First Semester of the Undergraduate (UG) Programme. In addition, the following conditions, if applicable should also be satisfied:

- to opt for Mathematics as a DSC, the candidate must have passed Mathematics as a subject in the qualifying examination.
- to opt for Chemistry as a DSC, the candidate must have passed Chemistry as a subject in the qualifying examination.
- to opt for Physics as a DSC, the candidate must have passed Physics as a subject in the qualifying examination
- to opt for subject(s) in the discipline of Life Sciences, which consists of Botany, Zoology as a one or more than one subject(s), then the candidate must have passed Class XII with Biology as a subject.
- to opt for subjects of Physical Sciences discipline as Major subject(s), the candidate must have passed respective subjects in the qualifying examination.

Further, eligibility conditions for admission to a programme shall be applicable as mentioned in the scheme of the concerned programme.

A candidate having 2-Year Diploma from ITI or 3-Year Diploma from Polytechnic of minimum 2 years duration qualified with Hindi Core/English as one subject or as an additional subject at Class XII level is also eligible for seeking admission in First Semester of the UG Programme in Arts discipline or in the disciplines wherever mentioned so.

Note: Eligibility conditions are subject to change according to the implementation of National Curriculum Framework (NCrF) for school education or in accordance with any such guidelines issued by the Central/State Government or issued by University from time to time.

- (v) A student who has been placed under compartment or allowed to re-appear in one subject only in Senior Secondary Certificate Examination (Class XII level) of the Board of School Education, Haryana, or equivalent examination of another University/Board may be allowed to study provisionally for the First Semester of the UG programme. Such student shall pass the compartment/re-appear subject before commencement of the examination of Ist semester of the concerned UG Programme. If a student does not clear the compartment/re-appear subject before the commencement of the Ist semester examination, her/his provisional admission to concerned UG Programme shall be cancelled ab initio by the Chairperson/Principal/Director with intimation to the University. However, the Vice-Chancellor may relax this condition, in exceptional cases at own level or on the recommendations of a committee constituted by the Vice-Chancellor.
- (vi) The student opting for exit must inform in writing to the Department/College/Institute by 30th June of every year. The student is allowed multiple entry into a UG Programme. For example, the student can re-enter into second year of a programme if she/he has taken an exit option after first year. Similarly, re-entry into the third year is allowed if exit option was exercised by a student after getting UG Diploma. In any case, the gap between the exit and the re-entry into the UG Programme should not be more than three years subject to completion of the whole UG Programme within six years. Multiple entry shall be allowed in a Department/College/Institute subject to the availability of seats in the concerned programme in that year in that Department/College/Institute. In case of re-entry, the scheme and syllabus currently running will be applicable.
- (vii) Lateral admissions against sanctioned vacant seats may be filled by a Department/College/Institute category wise following the State Govt. norms for reservation in an odd semester. Lateral admission may be provided in the 3rd and 5th semesters if a student has passed all the preceding examinations up to 2nd and 4th semester, respectively of the concerned programme under NEP Curriculum Framework. However, this will be subject to fulfilment of other eligibility conditions for the programme in which the admission is sought.

First preference in the lateral admission will be given to the students of that Department/College/Institute who had taken exit from that programme and are seeking re-entry into the same institution, for this a cut-off-date will be notified by Department/College/Institute.

8 Subjects/Courses of UG Programmes

- (i) A student of UG Programme (Multidisciplinary), herein after called Scheme-A, will select three subjects/courses A, B and C in the first year out of the pool of subjects in that discipline offered by the Department/College/Institute as Discipline Specific Subjects/Courses. Minor subject/course is to be offered preferably from the same discipline and will be different from three subjects/courses which are opted as Discipline Specific Subjects/Courses. Any subject/course in a discipline can be a Discipline Specific or Minor subject/course for a UG programme. In case of Physical Sciences and Life Sciences disciplines, if the Minor Subject/course cannot be offered from the same discipline by a Department/College/Institute, then the Discipline Specific Subject/course may be offered from either of the two disciplines. For example, if a Department/College/Institute is unable to offer a Minor subject/course from the discipline of Life Sciences, other than three subjects Botany, Zoology and Chemistry which have been offered as three Major subjects/courses, then Department/College/Institute can offer any subject/course from the discipline of Physical Sciences as a Minor Subject.
- (ii) A student will study Discipline Specific, Minor, Minor (Vocational), AEC, VAC, SEC and MDC courses as per Curriculum Framework Scheme-A (*Appendix-I; Table 1*).
- (iii) For 1st and 2nd semester of UG Programme (Multidisciplinary) (Scheme-A), a student can choose a Minor Course of 2 credit from the pool of Minor subjects/courses from that discipline as offered by the Department/College/Institute in that semester. The same minor subject be studied in subsequent semesters.

From 3rd semester onwards, a Minor Course will be of 4 credits and will be taken from the pool of the offered Minor Courses of that subject which was chosen in the first and second semesters.

- (iv) A student will study three Multidisciplinary Courses (MDCs) in first three semesters. The Multidisciplinary Courses (MDCs) will be from the subject/course which is different from the Discipline Specific and Minor subjects/courses. Students are not allowed to choose or repeat courses already undergone at the Senior Secondary Level (Class XII) or Discipline Specific and Minor subjects/courses under this category. Provided further that if a Multidisciplinary Course (MDC) across the discipline cannot be offered by a Department/College/Institute, due to its constraints and available resources, then

- A subject from the same discipline can be offered as MDC course if that subject also belongs to the list of subjects of some other discipline.
- MDC can be opted out of MOOCs through SWAYAM.
- MDC can be completed out of online course(s) offered by GJUST.
- MDC can be completed from a cluster college i.e., from a neighbouring College/Institute or else.

Note: The student himself/herself has to pay the requisite fee and/or re-appear fee as applicable from time to time. Department/College/Institute shall not be responsible for any issue(s) related to MOOCs, online course(s) and from cluster college or else.

(v) A student will select AEC, SEC, VAC and Minor (Vocational) courses from a pool of respective courses offered in Department/College/Institute.

Depending upon the availability of faculty and infrastructure, a Department/College/Institute may offer AEC, SEC, VAC and Minor (Vocational) courses from the respective pool of courses duly approved by the College/University. University will review and revise such pools from time to time by taking proposals of Department/College/Institute into consideration.

(vi) A student will study VAC- 'Environmental Studies' which is mandatory and at least one SEC to gain computer competency before exit. The number of these courses will be offered by the Department/College/Institute according to the availability of faculty and infrastructure.

(vii) In the subjects/courses which involve practicum, i.e., Practical/Laboratory/Studio/Project/ Survey/Field work, etc., a course of 4 credits will dedicate 3 credits for lectures and one credit for practicum or 4 credits for lectures. In other subjects/courses not having practicum component, a course of 4 credits will dedicate 3 credits for lectures and 1 credit for tutorial or 4 credits for lectures.

In extreme case, if the practicum course is offered as a separate course in that subject, all the credits will be dedicated to practicum.

In the case, when tutorial of 1 credit is not adopted/implemented in a subject, then all the credits of that course will be dedicated to lectures only.

(viii) In case of AEC and VAC of 2 credits, the entire 2 credits will be allocated to lectures.

(ix) In the SEC courses of 3 credit, 2 credit will be allocated to lectures and 1 credit to practicum/Seminar/tutorial.

(x) In case of Minor (Vocational) courses/subjects, where practicum component is dominant, a course of 4 credits may allocate 2 credits to lectures and 2 credits to practicum. Similarly, a course of 4 credits may be divided into 2 credits of lectures and 2 credits of practicum in the subjects where the practicum component of the course is major and teaching-learning process mainly depends upon practicum, e.g. Music and Fine/Commercial Arts.

9 Contact hours/workload

The weekly contact hours/workload for theory/practical/laboratory/studio/project/survey/ field work, etc. components of the courses will be:

- (i) 1 credit theory/tutorial = 1 hour;
- (ii) 1 credit practical/laboratory/studio/project/survey/field work = 2 hours.
- (iii) The tutorial and practical/laboratory/studio/project/survey/field work will be conducted in groups of students and one group will comprise of 20 students.

10 Exit option

When a student decides to continue for the second year and does not opt exit option after the second semester then she/he will select one of the following options before the beginning of 3rd semester.

- (i) Continue with Scheme-A or
- (ii) Shift to UG Programme with Single Major Subject/Course (Scheme-B).
- (iii) In the case when a student opts for second option i.e., Scheme-B, then the ordinance of Scheme-B shall be applicable from third semester onwards.

In the case when a student opts for UG programme with single major (Scheme-B), then she/he has to select the single major out of the three major subjects undertaken in first and second semester.

11 Online Courses

With the permission of Department/College/Institute, a student can opt for online courses (at own level), up to 40% of the courses of the programme except Discipline Specific Courses and Skill Enhancement courses, through online platform SWAYAM or online courses offered by GJUST, Hisar or through other such online platforms approved by the UGC as per university guidelines prevailing time to time.

12 Internship

Every student for the UG Programme shall be required to undergo 4 credits internship of minimum of 4 weeks duration before taking an exit or completing the degree programme.

- (i) A student for the UG Programme shall be required to undergo internship during summer vacation either after the second semester examination or after the fourth semester examination. If she/he opts to exit with Undergraduate Certificate in the discipline, then it shall be obligatory to complete the internship after second semester examination.

However, for those students who have taken lateral entry into the third semester and have completed internship of minimum of 4 weeks duration during first year, the internship is not required after the fourth semester examination

- (ii) A student will inform and get approval from the Chairperson/Principal/Director of the Department/College/Institute before going for an internship. The internship will involve working with local industry (Government or Private organizations/ Institutions), business establishments, artists, craft persons, or a professional (individual/organization). Student will submit a copy of the report (a hard copy and a soft copy in PDF) to the Department/College/Institute within 15 days after the completion of internship. A student must submit a certificate of attendance and work done report from the organization/professional where the internship was done. The evaluation of the internship shall be done by a committee comprising of at least two senior teachers appointed by the Principal/Director of the College/Institute. Marks will be awarded by the committee out of 100 marks on the basis of the report and viva-voce examination.
- (iii) The internship will be governed by the prevailing rules of the University from time to time.

13 Medium of Instructions and Examination

- (i) For Arts/Home Science/Commerce subjects, the medium of instructions shall be Hindi/English.
The question paper shall be set in both English and Hindi, wherever feasible, except in the case of
 - English, in which the questions shall be set in English.
 - Sanskrit, in which the questions shall be set in Sanskrit/Hindi.
 - Other languages, in which the questions shall be set in the language concerned.

(ii) The students shall write their answers:

- in English, in case of English language
- in the language concerned, in the case of Modern Indian Languages
- English/Hindi in the case of other subjects.

(iii) For Physical Sciences/Life Sciences Subjects/Courses, the medium of instructions shall be mainly English. Hindi medium will also be offered wherever feasible and approved by the university. The question paper shall be set in English. Bilingual question paper (s) will be provided, wherever possible and approved by the university. The students can write their answers in English/Hindi depending on the medium of instructions and language of the course content/syllabus.

14 Programme and Course Learning Outcomes

Individual programmes of study will have well defined learning **Programme Outcomes (POs)** which should be attained for the award of a specific Certificate/Diploma/Degree.

Each course will have well defined learning **Course Outcomes (COs)** specific to the learning for a given course of study related to a disciplinary or interdisciplinary/multi-disciplinary area. Course Outcomes (COs) will be mapped to Programme Outcomes (POs). The attainment of Course Outcomes will lead to the attainment of the Programme Outcomes.

15 Assessment and Evaluation

(i) Student Progression and Mentoring

Each student shall be examined in the course(s) to help their progression through the programme as laid down in the scheme, syllabus and learning outcomes through a system of Continuous Comprehensive Assessment (CCA) using a mix of Internal and End-Term evaluation.

- Internal Assessment will be broadly 30% of the total marks and weightage of 70% shall be given to evaluation of End-Term examination(s).
- Internal Assessment (30%) shall be broadly based on the following defined components: Class Participation; Seminar/Presentation/Assignment/Quiz/Class Test, etc. in case of Theory examination and Seminar/Demonstration/Viva-Voce/Lab record, etc. in case of Practical examination; Mid-Term Exam.
- Internal Assessment Marks will be further distributed as per following tables:

Course Composition- Theory/(Theory +Tutorial)			
Course Credit	Internal	End-Term Exam	Total Marks
2	15	35	50
3	25	50	75
4	30	70	100

Course Composition- Theory + Practical						
Course Credit		Theory		Practical		Total Marks
Theory	Practical	Internal Marks	External Marks	Internal Marks	External Marks	
1	1	10	20	5	15	50
2	1	15	35	10	15	75
3	1	20	50	10	20	100
2	2	15	35	15	35	100
0	4	-	-	30	70	100

Total Internal Marks (Theory)	Class participation	Seminar/Presentation/Assignment/Quiz/Class Test, etc.	Mid-term exam
10	4	-	6
15	4	4	7
20	5	5	10
25	5	7	13
30	5	10	15

Total Internal Marks (Practicum)	Class participation	Seminar/Presentation/Assignment/Quiz/Class Test, etc.	Mid-term exam
5	-	5	-
10	-	10	-
15	5	10	-
30	5	10	15

- A student has to obtain minimum 40% marks (Grade 'P') in aggregate (sum of the Internal Assessment and End-Term Examination marks) and in End-Term Examination separately to qualify a course.

(ii) The pass percentage will be 40% (Grade 'P') both for theory and practicum End-Term Examination.

(iii) The Chairperson/Principal/Director shall ensure uploading of the Internal Assessment marks before the commencement of the End-Term Semester Examinations on the examination portal of the University or as notified by the Controller of Examinations of the University.

(iv) Internal Assessment marks of a course shall be carried forward in case of re-appear examination of that course.

(v) The Chairperson/Principal//Director shall preserve the record on the basis of which the Internal Assessment awards have been prepared, for inspection, if needed by the university for one year from the date of declaration of semester examination results.

✓ 16 Eligibility for Examination

End-Term Examination shall be open to a regular student who

- (i) has been on the rolls of the Department/College/Institute during the semester.
- (ii) has passed the requisite qualifying examination as laid down above, if she/he is a candidate for the First Semester Examination.

- (iii) has her/his examination form submitted to the Examinations Branch through the Chairperson/Principal/Director of the concerned Department/College /Institute.
- (iv) has attended not less than 75% of the lectures in a course. This requirement shall be fulfilled separately for each course of the programme. A deficiency in the prescribed course (Lectures/Practicum, etc.) may be condoned by the Chairperson/Principal/ Director of the Department/College/Institute in deserving cases up to 15% (excluding 2% additional for Girl/Women student).
- (v) These shall also include loss of attendance due to participation in the cultural and sports assignments, etc. Provided that, a student who participates in the Inter-University Tournaments or Inter University Youth festivals or Republic Day Parade may be allowed additional condonation on this ground up to 10% in each paper on a certificate from the Dean/Director, Sports/Youth Welfare/Cultural Affairs, Placement Cell, NSS, ANO, NCC, YRC as the case may be, subject to the condition that such a student shall not be allowed to appear in the examination if his/her attendance, after condonation on all counts, falls below 50%.
- (vi) Provided that a candidate who has not attended the requisite percentage of lectures/practicum shall not be eligible to take the End-Term Examination in the concerned theory/practicum unless she/he repeats the course and obtains requisite attendance.

17 Duration for Passing the Programme

- (i) A student can complete a Bachelor degree programme within six years. A student who fails to pass the whole examination(s) of a UG programme within six years of admission to the programme, shall be awarded Undergraduate Certificate/Diploma on the basis of qualified courses as per credit point, if eligible (*Appendix-I; Table 2*).
- (ii) Each student will have to open an Academic Bank of Credit (ABC) account immediately for admission or during admission if admitted. At the end of each semester, credits earned by the students will be uploaded in her/his respective ABC account. A student registered in ABC account for a programme will be allowed to complete the respective programme within six years or as per the time period stipulated in the ABC for accumulation of credits from time to time or within the period as prescribed by the university for the purpose.

18 Conditions for Promotion to Higher Semester and Rules for Re-appear

- (i) A student who has appeared and failed in one or more courses of the First Semester shall be allowed to study for and appear in the second semester. Such a student may pursue her/his studies for the next higher semester(s) and appear in the examination(s) for the same along with the examination for the lower semester(s).
- (ii) A candidate who has attended the prescribed classes of a course(s) of a programme in the Department/College/Institute in a semester and was eligible but did not appear in the End-Term examination or has appeared but fails, may be allowed on the recommendation of the Chairperson/Principal/Director of the Department/College/Institute to appear/re-appear as an ex-student in the End-Term examinations of that course(s) as the case may be, in the subsequent semesters examination up to two times when such examination(s) are held without attending the course(s) again. While re-appearing in the examination, the

student shall be exempted from appearing in the course(s)/practical(s) in which she/he has obtained passing marks.

Provided that after completion of regular studies for the whole duration of a programme, the candidate will be allowed to appear in examination as an ex-student/private for the re-appear/left out courses under the permissible chances, within the prescribed time period to complete the programme.

(iii) A candidate who could not complete or has failed in a project/internship, she/he will get only one chance to repeat the project work at the end of the next Semester. Further, if the candidate still fails or remains absent in the project/internship, then she/he will not be eligible for the award of the concerned UG Certificate/Diploma/Degree.

19 Examinations and Result

(i) End-Term Examinations for the odd semesters shall normally be held in November/December and for the even semesters in May/June, on such dates as may be notified by the Controller of Examinations from time to time.

(ii) Supplementary examinations will be held for Re-appear candidates as under:

Semester	When held
Odd Semester	Along with the First, Third and Fifth Semester
Even Semester	Along with the Second, Fourth and Sixth Semester

(iii) The last date(s) by which the examination forms shall be uploaded on the examination portal shall be as per the schedule notified by the Controller of Examinations from time to time.

(iv) The amount of examination fee to be paid by a student for each semester shall be as prescribed by the University from time to time.

(v) The minimum Semester Grade Point Average (SGPA) to qualify a semester shall be 4.00 and minimum Cumulative Grade Point Average (CGPA) required for the award of the UG Certificate/Diploma/Degree shall be 4.00.

(vi) The Examination Branch shall prepare the Grade/Result and the Controller of Examinations will notify the same.

(vii) If a student is not able to pass any semester examination during her/his regular studies in the programme, her/his pass credits will be accumulated in the Academic Bank of Credits (ABC) and she/he can pass the deficient courses any time within six years or as stipulated in the Academic Bank of Credits from time to time.

(viii) A student who discontinues her/his studies at any point of time may be permitted to re-join the programme of study and complete balance credits as per university rules.

(ix) **Award of Grades**

Award of grades and the corresponding grade points will be based on absolute marks as per the following table:

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

- The multiplication factor for conversion from SGPA/CGPA to equivalent percentage of marks shall be 10.
- A candidate eligible to take the examination obtaining Grade 'F'/'Ab' will be considered to have failed in the examination/course(s). Such a student will be required to re-appear in that examination/course(s) within the permissible chances.

20 Computation of SGPA and CGPA

The following shall be the procedure to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

(i) The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a candidate in all the courses taken by the candidate in a semester to the sum of the number of credits of all the courses undertaken by the candidate in that semester, i.e.

$$SGPA (Sj) = \frac{\sum(Ci \cdot Gi)}{\sum Ci}$$

where C_i is the number of credits of the i^{th} course and G_i is the grade point scored by the student in the i^{th} course in the j^{th} semester.

(ii) The 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.

$$CGPA (Sj) = \frac{\sum(Nj \cdot Sj)}{\sum Nj}$$

where S_j is the SGPA of the j^{th} semester and N_j is the total number of credits in that semester.

(iii) The SGPA and CGPA shall be rounded off to 2 digits after decimal place and shall be reported in the Detail-Grade-Certificate (DGC).

A merit list will be prepared for a programme and Gold Medal will be awarded to a candidate securing highest CGPA provided the candidate must have passed all the semester examinations in the first attempt and within minimum duration of the programme. In case,

when more than one student have the same CGPA, then Gold Medal shall be decided on the basis of actual obtained marks in the programme.

21 Improvement

- (i) A candidate who has passed a UG Programme from GJUST, Hisar and is desirous of improving her/his CGPA in the respective programme (Certificate/Diploma/Degree), will be allowed to appear within next four Semester examinations of passing the sixth semester examination to appear as an ex-student in one or more theory course(s) of any one or two parts, out of Part-I (Semester I & II), Part-II (Semester III & IV) and Part-III (Semester V & VI) separately in four consecutive semester examinations and shall pay examination fee as for the whole semester examination in which she/he opts to appear.
- (ii) The result of improvement examinations shall be declared only if a candidate improves her/his CGPA of the respective programme. Provided further that if a student does not want to avail the remaining chances out of permissible four total chances for improvement, then she/he will submit an undertaking to this effect for declaration of her/his final result. The fact that student has improved the performance/grade shall be mentioned in the Detailed-Grade-Certificate (DGC).
- (iii) Improvement shall not be allowed in Internal Assessment/Practical/Internship/ Field Work/Project/Seminar/Studio etc.

The rules, syllabus and fees for improvement examinations shall be applicable as prevailing at that time or as prescribed by the university from time to time.

22 Award of Grace Marks

Grace marks will be awarded according to the university rules prevailing from time to time.

23 The ordinance in force at the time a student joins the programme shall hold good only for the examination held during or at the end of the academic year and nothing in this ordinance shall be deemed to debar the university from amending the ordinance and the amended ordinance, if any, shall apply to all the students whether old or new.

- (i) In the event of any inconsistency in the rules or any clarification thereof, the matter shall be referred to the Vice-Chancellor for interpretation, whose decision shall be final. The Vice-Chancellor is also competent to remove any inconsistency/make amendment in rules at any time and decide which provision shall take precedence over the other.
- (ii) The Vice-Chancellor is authorized to make changes/amendments in the ordinance of different Schemes for effective implementation of Curriculum and Credit Framework of Undergraduate and Integrated 5 years Programmes under National Education Policy 2020.
- (iii) Notwithstanding anything mentioned above, the Vice-Chancellor can relax any rule in exceptional cases or when situation demands so

25 Transitory Provision

Students admitted to UG Programmes under semester system in Department/College/Institute prior to the academic session 2024-25 shall be governed by the old rules as applicable for that programme for that session. The present rules shall be applicable to the students who take admission in a programme according to Curriculum and Credit Framework for UG Programme (CCFUGP) as per NEP-2020 w.e.f. the academic session 2024-25.

Table 1: UG Programme (Multidisciplinary): Scheme-A

Appendix-I

Semester	Discipline Specific Courses (DSC)	Minor/Courses (MIC) including Vocational Courses (VOC)	Multidisciplinary Courses (MDC)	Ability Enhancement Course (AEC)	Skill Enhancement Course (SEC)	Value Added Courses (VAC)	Total credits	Exit option
I	DSC-A1 4 credits	DSC-B1 4 credits	DSC-C1 4 credits	MIC-1 2 credits	MDC-1 3 credits	AEC-1 2 credits	SEC-1 3 credits	VAC-1 2 credits
II	DSC-A2 4 credits	DSC-B2 4 credits	DSC-C2 4 credits	MIC-2 2 credits	MDC-2 3 credits	AEC-2 2 credits	SEC-2 3 credits	VAC-2 2 credits
Internship of 4 credits of 4 weeks duration after 2 nd semester								
III	DSC-A3 4 credits	DSC-B3 4 credits	DSC-C3 4 credits	MIC-3 4 credits	MDC-3 3 credits	AEC-3 2 credits	SEC-3 3 credits	24
IV	DSC-A4 4 credits	DSC-B4 4 credits	DSC-C4 4 credits	MIC-4 (VOC) 4 credits		AEC-4 2 credits	VAC-3 2 credits	20
Internship of 4 credits of 4 weeks duration after 4 th semester (if not done after 2 nd semester)								
V	DSC-A5 4 credits	DSC-B5 4 credits	DSC-C5 4 credits	MIC-5 (VOC) 4 credits			Internship#/ 4 credits	20
VI	DSC-A6 4 credits	DSC-B6 4 credits	DSC-C6 4 credits	MIC-6 4 credits	MIC-7 (VOC) 4 credits			20
72 credits		24 credits		9 credits	8 credits	9 credits + Internship 4 credits	6 credits	132

Four credits of internship earned by a student during summer internship after 2nd semester or 4th semester, will be taken into account in 5th semester of a student who pursue 3 year UG Programme without taking exit option

Table 2: Credit Point Table for 3-Year UG Programme (Multidisciplinary): Scheme-A
Appendix-1

Sr. No.	Courses	Credits earned after		
		First year	Second year	Third year
1	Discipline Specific Course (DSC)	24	48	72
2	Minor Course (MIC) including Vocational Courses (VOC)	4	12	24
3	Multidisciplinary Courses (MDC)	6	9	9
4	Ability Enhancement Courses (AEC)	4	8	8
5	Skill Enhancement Courses (SEC)	6	9	9
6	Value Added Courses (VAC)	4	6	6
7	Internship	4*	4*	4
	Project/Internship			
	Total	52	96	132

*added in case of exit from programme

Notes for Tables:

- i. A student of UG Programme (Multidisciplinary) will select three subjects A, B and C in the first year out of the pool of subjects in that discipline offered by the Department/College/Institute as Discipline Specific Course. Minor course can be offered from the same discipline and is different from three subjects opted as Major Subjects of that discipline. In case of Physical Sciences and Life Sciences disciplines, if the Minor Subject/Course cannot be offered from the same discipline by the Department/College/Institute, then the Minor Subject/Course can be offered from either of these two disciplines e.g. if a Department/College/Institute is unable to offer a Minor subject/course from the discipline of Life Sciences, other than three subjects Botany, Zoology and Chemistry which have been offered as three Major subjects, then Department/College/Institute can offer any subject from the discipline of Physical Sciences as a Minor Subject.
- ii. A student will study Discipline Specific Course and Minor Course from the discipline in which the admission was taken as per the scheme of the programme.
- iii. A student will study AEC, VAC, SEC, MDC and Minor (Vocational) Courses from the respective pools of the courses offered by Department/College/Institute duly approved by the University.
- iv. For 1st and 2nd semester of UG Programme (Multidisciplinary), a student can choose a Minor course of 2 credit from the pool of Minor courses offered by the Department/College/Institute in that semester.
- v. From 3rd semester onwards, a Minor course will be of 4 credits and will be taken out of the offered Minor courses of a student offered by Department/College/Institute in that semester.
- vi. A student will opt for MDC from the course/subject which is different from the discipline of major subjects and should also be different from the courses undergone at senior secondary level (Class XII).

Course Code and Scheme of Examination

1 The Course Code will be ten digits alphanumeric code in the Scheme of Examination and syllabi of the UG programme under NEP 2020 w.e.f. academic session 2024-25 as per the following details :

- (i) First three digits will represent **College and the Year (C24)**.
- (ii) Next three digits will represent the **subject**.
- (iii) Further three digits will **semester and subject code**.

Semester	Code
I	101, 102, 103,
II	201, 202, 203,
III	301, 302, 303,
IV	401, 402, 403,
V	501, 502, 503,
VI	601, 602, 603,

- (iv) **The last digit will represent type of course**

Theory/Lecture	T
Practical/Lab	p
Seminar	S
Dissertation	D
Internship	I
Project/Project Report/Research Report	R

2 The course code for the pool of Minor Course (MIC) including Vocational Courses (VOC), Multidisciplinary Courses (MDC), Ability Enhancement Courses (AEC), Skill Enhancement Courses (SEC) and Value-Added Courses (VAC) will be as under:

C24MIC101, C24MIC201,

C24VOC401, C24VOC501,

C24MDC101, C24MC201,

C24AEC101, C24AEC201,

C24SEC101, C24SEC201,

C24VAC101, C24VAC201,

3 Scheme of Examination

Course Credits	Course content/ syllabus units	Internal Marks	External Marks	Total Marks	Examination hours
4	4	30	70	100	3

The examiner is required to set nine questions in all. The first question will be compulsory consisting of seven short questions covering the entire syllabus consisting of 2 marks each. In addition to this, eight more questions (each question may be of 2-3 parts) will be set consisting of two questions from each unit.

The student/candidate is required to attempt five questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions will carry equal marks.

Course Credits	Course content/ syllabus units	Internal Marks	External Marks	Total Marks	Examination hours
3	3	25	50	75	2.5

The examiner is required to set seven questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 2.5 marks each. In addition to this, six more questions (each question may be of 2-3 parts) will be set consisting of two questions from each unit.

The student/candidate is required to attempt four questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions will carry equal marks.

OR

Course Credits	Course content/ syllabus units	Internal Marks	External Marks	Total Marks	Examination hours
3	4	25	50	75	2.5

The examiner is required to set nine questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 2 marks each. In addition to this, eight more questions (each question of at least 2 parts) will be set consisting of two questions from each unit.

The student/candidate is required to attempt five questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions will carry equal marks.

Course Credits	Course content/ syllabus units	Internal Marks	External Marks	Total Marks	Examination hours
2	2	15	35	50	2

The examiner is required to set five questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 3 marks each. In addition to this, four more questions (each question may be of 2 parts) will be set consisting of two questions from each unit.

The student/candidate is required to attempt three questions in all selecting one question from each unit consisting of 10 marks each in addition to compulsory Question No. 1.

**Name of the Programme
Course Title**

Course Code:

60 Hrs (4 Hrs /week)

Credits: 4

Exam Time: 3 Hrs

External Marks : 70

Internal Marks : 30

Total Marks: 100

Note: The examiner is required to set nine questions in all. The first question will be compulsory consisting of seven short questions covering the entire syllabus consisting of 2 marks each. In addition to this, eight more questions (each question may be of 2-3 parts) will be set consisting of two questions from each unit.

The student/candidate is required to attempt five questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions will carry equal marks.

Objectives:

Unit-I

15 Hrs

Unit -II

15 Hrs

Unit -III

15 Hrs

Unit -IV

15 Hrs

Books Suggested:

Course Outcomes:

At the end of the course, the students would be able to:

- CO1.
- CO2.
- CO3.
- CO4.
- CO5.
- CO6.

Mapping of CO with PO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1										
CO2										
CO3										
CO4										
CO5										
CO6										

S= strong M= medium W= weak



Discipline Specific Courses (DSC): A major course/subject as discipline specific course is the field in which a student focuses for understanding and skills majorly in the chosen field of learning contributing to the core of the programme. It consists of either 4 credits Lectures or 3 credits Lectures and 1 credit Practical or 3 credit Lecture and 1 credit Tutorial.

Subject	Semester-I Course Code	Semester-II		Semester-III		Semester-IV		Semester-V		Semester-VI	
		Nomenclature of Course	Course Code	Nomenclature of Course	Course Code	Nomenclature of Course	Course Code	Nomenclature of Course	Course Code	Nomenclature of Course	Course Code
Biochemistry	C24BBT101T	Fundamental of Biochemistry	C24BBT201T	Molecular Biology	C24BBT301T	Recombinant DNA Technology	C24BBT501T	Basics of In Vitro Culture Techniques	C24BBT601T	Microbial Biotechnology	
	C24BBT101P	Basis of Biotechnology Lab	C24BBT201P	Fundamental of Biochemistry Lab	C24BBT301P	Molecular Biology Lab	C24BBT401P	Recombinant DNA Technology Lab	C24BBT501P	Basics of In Vitro Culture Techniques Lab	C24BBT601P
Botany	C24BOT101T	Diversity of Microbes	C24BOT201T	Diversity of Higher Cryptogam and Genetics	C24BOT301T	Diversity of Seed Plants: Gymnosperms and Angiosperms	C24BOT401T	Plant Anatomy and Embryology	C24BOT501T	Plant Physiology- Metabolism and Ecology	C24BOT601T
	C24BOT101P	Diversity of Microbes and Lower Cryptogams: Cytology	C24BOT201P	Diversity of Higher Cryptogam and Genetics Lab	C24BOT301P	Diversity of Seed Plants: Gymnosperms and Angiosperms Lab	C24BOT401P	Plant Anatomy and Embryology Lab	C24BOT501P	Plant Physiology- Metabolism and Ecology Lab	C24BOT601P
Business Administration	C24BBA101T	Management Concepts and Principles	C24BBA201T	Indian Economy	C24BBA301T	History and Philosophy of Human Resource Management	C24BBA401T	Business Research Methods	C24BBA501T	Sales Management	C24BBA601T
	C24BBA102T	Psychology and Sociology in the Business Context	C24BBA202T	Fundamentals of Marketing	C24BBA302T	Indian Financial System	C24BBA402T	Marketing Decision	C24BBA502T	Business Environment Policy and Strategy	C24BBA602T
	C24BBA103T	Fundamentals of Accounting	C24BBA203T	Fundamentals of Financial Management	C24BBA303T	Indian Financial System	C24BBA403T	Micro Organisational Behaviour	C24BBA503T	Taxation System and Policy	C24BBA603T
Chemistry	C24CHE101T	Chemistry-I Lab	C24CHE201T	Chemistry-II Lab	C24CHE301T	Chemistry-III Lab	C24CHE401T	Chemistry-IV	C24CHE501T	Business Law	C24CHE601T
	C24CHE102P	Fundamentals of Computer and Programming in C	C24COS201T	Data Structure using C	C24COS301T	Data Base Management Systems	C24COS401T	Computer Networks	C24COS501T	Operation and Project Management	C24COS601T
Computer Science	C24COS101P	Fundamentals of Computer and Programming in C Lab	C24COS201P	Data Structure using C Lab	C24COS301P	Data Base Management Systems Lab	C24COS401P	Computer Networks Lab	C24COS501P	Object Oriented Principles and Programming in Java	C24COS601T
	C24CM101T	Fundamentals of Commerce	C24CM201T	Fundamentals of Management	C24CM301T	Business Statistics	C24CM401T	Business Environment	C24CM501T	Object Oriented Principles and Programming in Java	C24CM601T
Commerce	C24CM102T	Basic Accounting	C24CM202T	Advanced Accounting	C24CM302T	Corporate Accounting	C24CM402T	Cost Accounting	C24CM502T	Management Accounting	C24CM602T
	C24CM103T	Microeconomics	C24CM203T	Macroeconomics	C24CM303T	Business Laws	C24CM403T	Company Law	C24CM503T	Marketing Management	C24CM603T
Commercial Art, Designing and Painting	C24COA101T	Fundamental of Arts	C24COA201T	Fundamental of Arts Lab	C24COA301P		C24COA401P		C24COA501P		C24COA601T

Defence Studies	C24DEF01T	Conceptual Aspects of War, Basics of Operational Exercises-I	C24DEF201T	Evolution of Indian Military System, Basics of Operational Exercises-I				
	C24DEF101P	Conceptual Aspects of War, Basics of Operational Exercises-I Lab	C24DEF201P	Evolution of Indian Military System, Basics of Operational Exercises-I				
Economics	C24ECO101T	Micro Economics-I	C24ECO201T	Micro Economics-II				
English	C24ENG101T	Introduction to Short Story and Basic Grammar	C24ENG201T	Introduction to Prose and Basic Composition	C24ENG301T	Introduction to Poetry and Phonetics	C24ENG501T	Introduction to Short Novel and Advanced Grammar
Electronics	C24ELE101T	Network Analysis	C24ELE201T	Electronic Devices and Basic Digital Electronics	C24ELE301T	Combination and Sequential Circuits	C24ELE401T	Introduction to Drama and Intermediate Grammar
	C24ELE701P	Network Analysis Lab	C24ELE201P	Electronic Devices and Basic Digital Electronics Lab	C24ELE301P	Combination and Sequential Circuits Lab	C24ELE401P	Operational Amplifier and Sinusoidal Oscillators Lab
Fashion Designing	C24FAD101T	Fundamentals of Fashion Designing	C24FAD201T	Basics of Pattern and Garments construction				
	C24FAD101P	Fundamentals of Fashion Designing Lab	C24FAD201P	Basics of Pattern and Garments construction Lab				
Geography	C24GEO101T	Geography of India	C24GEO201T	Human Geography				
	C24GEO101P	Geography of India Lab	C24GEO201P	Human Geography Lab				
Health and Physical Education	C24HPE101T	History and Foundation of Physical Education	C24HPE201T	Athletics-Track Races				
	C24HPE101P	History and Foundation of Physical Education Lab	C24HPE201P	Athletics-Track Races Lab				
Hindi	C24HIN101T	हिन्दी भाषा उत्तर भारत विद्यालय	C24HIN201T	हिन्दी भाषा उत्तर भारत विद्यालय				
	C24HIS101T	Idea of Bharat	C24HIS201T	History of India (From Earliest Times to 1206)				
Home Science	C24HOS101T	Interior Decoration-I	C24HOS201T	Family Resource Management				
	C24HOS101P	Interior Decoration-I Home Lab	C24HOS201P	Family Resource Management Lab				
Mass Communication and Video Production	C24MC0101T	Introduction to Communication	C24MC0201T	Introduction to Electronic Media				
	C24MC0101P	Introduction to Communication Lab	C24MC0201P	Introduction to Electronic Media Lab				
Mathematics	C24MAT101T	Basic Algebra and Number Theory	C24MAT201T	Calculus	C24MAT301T	Differential Equations	C24MAT501T	Analysis
	C24MAT101P	Basic Algebra and Number Theory Lab	C24MAT201P	Calculus Lab	C24MAT301P	Differential Equations Lab	C24MAT501P	Analysis Lab
Music (Instrumental)	C24MUL0101T	Basics of Hindustani Music	C24MUL201T	Basic Terminology of Hindustani Music				

	C24MUS10P	Basics of Hindustani Music Lab	C24MUS10P	Basics of Hindustani Music Lab				
Music (Vocal)	C24MUS10T	Fundamentals of Hindustani Music (Vocal)	C24MUS20T	Basic Terminology of Hindustani Music (Vocal)				
	C24MUS10P		C24MUS20P	Historical Studies of the Musical Terms				
Philosophy	C24PHI10T	Outline of Indian Philosophy	C24PHI20T	Outline of Western Philosophy				
Physics	C24PHY10T	Philosophy Mechanics	C24PHY20T	Electricity and Magnetism	C24PHY30T	Thermodynamics and Statistical Physics	C24PHY40T	Wave and Optics
	C24PHY10P	Mechanics Lab	C24PHY20P	Electricity and Magnetism Lab	C24PHY30P	Thermodynamics and Statistical Physics Lab	C24PHY40P	Wave and Optics Lab
Political Science	C24POL10T	Principals of Political Science	C24POL20T	Principals of Political Science-II				
Psychology	C24PSY10T	Foundations of Psychology	C24PSY20T	Foundations of Psychology-II				
Public Administration	C24PUB10T	Fundamentals of Public Administration	C24PUB20T	Basics of Public Administration				
Sanskrit	C24SKT10T	नाटकिक व्याकरण	C24SKT20T	श्रमदभागवदगीता, स्वर-वृत्ति, छन्दशास्त्रं च				
Sociology	C24SOC10T	Introduction to Sociology	C24SOC20T	Society, Structure and Change				
Zoology	C24ZOO10T	Animal Diversity-I	C24ZOO20T	Animal Diversity-II	C24ZOO30T	Biomolecule and Mammalian Physiology	C24ZOO40T	Cell Biology and Genetics
	C24ZOO10P	Animal Diversity-Lab	C24ZOO20P	Animal Diversity-II Lab	C24ZOO30P	Biomolecule and Mammalian Physiology Lab	C24ZOO40P	Molecular Biology Lab



Minor Courses (MIC)

Minor Courses (MIC): Minor course/subject aims to expand student's knowledge beyond the major field of study. This will also include Vocational Course (VOC) that will assist student in developing work-force relevant skills through practical work and enhances the employability of student.

W.e.f. Session 2024-25

Department/Subject	Arts					
	Semester-I 2 credits	Semester-II 2 credits	Semester-III 4 credits	Semester-IV 4 credits	Semester-VI 4 credits	
Course Code	Course Code	Nomenclature of the Course	Course Code	Nomenclature of the Course	Course Code	Nomenclature of the Course
C24MIC101T	Business Psychology	C24MIC201T	Health Care Management	C24MIC301T	HR Analytics	C24MIC601T
Business Administration		C24MIC202T	Internet and Web Design	C24MIC302T	Basics of Software Development	Behavioural Finance
Computer Science	C24MIC102T	Computing Programming Fundamentals	C24MIC203T	Computer Applications in Business	C24MIC303T	Fundamentals of Banking and Insurance
Commerce	C24MIC103T	Business Mathematics	C24MIC204T		C24MIC304T	C24MIC603T
Commercial Arts, Designing and Painting	C24MIC104T					C24MIC604T
Defence Studies	C24MIC105T	Introduction to Defence Studies	C24MIC205T	Public and Private Security Management	C24MIC305T	C24MIC605T
Economics	C24MIC106T	Ancient Indian Economic History, Vedic Period to IBC	C24MIC206T	Indian Economy from 1 AD to 1757 AD	C24MIC306T	C24MIC606T
English	C24MIC107T	Introduction to Short Story and Basic Grammar	C24MIC207T	Introduction to Prose and Basic Composition	C24MIC307T	Introduction to Poetry and Phonetics
Fashion Designing	C24MIC108T	Textile Science	C24MIC208T	Traditional Textile of India	C24MIC308T	C24MIC608T
Geography	C24MIC109T	General Geography of India	C24MIC209T	Geography of Haryana	C24MIC309T	C24MIC609T
Health and Physical Education	C24MIC110T	Olympics Movement	C24MIC210T	Asian and Commonwealth Games	C24MIC310T	C24MIC610T

Hindi	C24MIC111T	हिन्दी का व्याकरणिक व्याकरण	C24MIC211T	पञ्च लेखन	C24MIC311T		C24MIC611T
History	C24MIC112T	Indian National Movement	C24MIC212T	Indian History and Culture	C24MIC312T		C24MIC612T
Home Science	C24MIC113T	Housing and Space Planning	C24MIC213T	Early Childhood Care and Education	C24MIC313T		C24MIC613T
Mass Communication and Video Production	C24MIC114T	Communication Skills	C24MIC214T	Digital Media	C24MIC314T		C24MIC614T
Mathematics (Instrumental)	C24MIC115T	Sets and Sequences	C24MIC215T	Combinatorics and Geometry	C24MIC315T	Mathematical Statistics	C24MIC615T
Music (Instrumental)	C24MIC116T	Basic Concepts of Hindustani Music	C24MIC216T	Conceptual Approach to Hindustani Music	C24MIC316T		C24MIC616T
Music (Vocal)	C24MIC117T	Basic Concepts of Hindustani Music (Vocal)	C24MIC217T	Conceptual Approach to Hindustani Music (Vocal)	C24MIC317T		C24MIC617T
Philosophy	C24MIC118T	Fundamentals of Indian Philosophy	C24MIC218T	introduction to western Philosophy	C24MIC318T		C24MIC618T
Political Science	C24MIC119T	Fundamentals of Political Science-I	C24MIC219T	Fundamentals of Political Science-II	C24MIC319T		C24MIC619T
Psychology	C24MIC120T	Understanding Psychology-I	C24MIC220T	Understanding Psychology-II	C24MIC320T		C24MIC620T
Public Administration	C24MIC121T	Rural Local Government in India	C24MIC221T	Urban Local Government in India	C24MIC321T		C24MIC621T
Sanskrit	C24MIC122T	दण्डाचारण- शिक्षा- संस्कृत व्याख्याका-पदार्थ (1-10) च	C24MIC222T	संस्कृत व्याख्याका- गद्यसामान (1-10)	C24MIC322T		C24MIC622T
Sociology	C24MIC123T	Basic Concepts of Sociology	C24MIC223T	Indian Social System	C24MIC323T		C24MIC623T

PHYSICAL SCIENCES

Department/Subject	PHYSICAL SCIENCES				
	Semester-I	Semester-II	Semester-III	Semester-IV	Semester-VI
	2 credits	2 credits	4 credits	4 credits	4 credits
	Course Code	Nomenclature of the Course	Course Code	Nomenclature of the Course	Course Code
Chemistry	C24MIC131T	Basic Chemistry-I	C24MIC231T	Basic Chemistry-II	C24MIC631T
Computer Science	C24MIC102T	Computing Fundamentals and PC Software	C24MIC202T	Introduction to Computer System Design and Organisation	C24MIC302T
Electronics	C24MIC132T	Electronic Components	C24MIC232T	Understanding of Computer Systems	C24MIC332T
Geography	C24MIC109T	General Geography of India	C24MIC209T	Geography of Haryana	C24MIC632T
Mathematics	C24MIC115T	Sets and Sequences	C24MIC215T	Combinatorics and Geometry	C24MIC315T
Physics	C24MIC133T	Fundamentals of Electronics-I	C24MIC233T	Fundamentals of Electronics-II	C24MIC633T

LIFE SCIENCES						
Department/Subject	Semester-I		Semester-II		Semester-III	
	Course Code	Nomenclature of the Course	Course Code	Nomenclature of the Course	Course Code	Nomenclature of the Course
Biotechnology	C24MIC141T	Introduction to Biotechnology	C24MIC241T	Biomolecules	C24MIC341T	Molecular Basis of Life
Botany	C24MIC142T	Diversity of Microbes and Lower Cryptogams; Cytology	C24MIC242T	Diversity of Higher Cryptogams and Genes	C24MIC342T	Diversity of Seed Plants: Gymnosperms and Angiosperms
Chemistry	C24MIC131T	Basic Chemistry-I	C24MIC231T	Basic Chemistry-II	C24MIC331T	Basic Chemistry-III
Zoology	C24MIC143T		C24MIC243T		C24MIC343T	

Guru Jambheshwar University of Science and Technology

Hisar-125001, Haryana

('A+' NAAC Accredited State Govt. University)

U.G. Programme as per National Education Policy-2020

Pool of Multidisciplinary Course (MDC)

(w.e.f. Session 2024-25)

Multidisciplinary Courses (MDC): These courses are based on introductory knowledge in a subject. A student will study MDC in a subject other than the discipline of Discipline Specific and Minor subjects/courses to gain knowledge across the disciplines. It consists of either 3 credit Lectures or 2 credits Lectures and 1 credit Practicum.

Sr. No.	Subject/Department	Course Code	Nomenclature of the Course (3 credits)	Remarks
1	Biotechnology	C24MDC101T	Applied Biology-I	
		C24MDC101P	Applied Biology-I Lab	
		C24MDC201T	Applied Biology-II	
		C24MDC201P	Applied Biology-II Lab	
		C24MDC301T	Applied Biology-III	
		C24MDC301P	Applied Biology-III Lab	
2	Botany	C24MDC102T	Basics of Botany	
		C24MDC102P	Basics of Botany Lab	
		C24MDC201T	Nursery and Gardening	
		C24MDC202P	Nursery and Gardening Lab	
		C24MDC302T	Plants in Everyday Life	
		C24MDC302P	Plants in Everyday Life Lab	
3	Business Administration	C24MDC103T	E-Commerce	
		C24MDC203T	Negotiation and Conflict Management Skills	
		C24MDC303T	Marketing Analytics	
4	Chemistry	C24MDC104T	Chemistry of Oils and Dyes	
		C24MDC104P	Chemistry of Oils and Dyes Lab	
		C24MDC204T	Chemistry of Soil and Everyday Compounds	
		C24MDC204P	Chemistry of Soil and Everyday Compounds Lab	
		C24MDC304T	Energy Resources and Water Treatment	
		C24MDC204P	Energy Resources and Water Treatment Lab	
5	Computer Science	C24MDC105T	Information Technology	
		C24MDC105P	Information Technology Lab	
		C24MDC205T	Web Development	
		C24MDC205P	Web Development Lab	
		C24MDC305T	Programming in C	
		C24MDC305P	Programming in C Lab	
6	Commerce	C24MDC106	Business Studies	
		C24MDC206	Business Economics	
		C24MDC306	Stock Market Operations	
7	Commercial Art, Designing and Painting	C24MDC107T	Basics of Fine Arts-I	
		C24MDC107P	Basics of Fine Arts-I Lab	
		C24MDC207T		
		C24MDC307P		
8	Defence Studies	C24MDC108T	Introduction to Military History	
		C24MDC208T	Introduction to Military Studies	
		C24MDC308T		
9	Economics	C24MDC109T	Understanding Budget	
		C24MDC209T	Finance and Banking	
		C24MDC309T		

10	English	C24MDC110T	Literature and Society	
		C24MDC210T	Functional English Grammar	
		C24MDC310T	Writing for Digital Platforms	
11	Electronics	C24MDC111T	Electronics in Daily Life	
		C24MDC211T	Basic Analog Electronics	
		C24MDC311T	Basic Electronics Components and Devices	
12	Fashion Designing	C24MDC112T	Clothing Construction-I	
		C24MDC212P	Clothing Construction-I	
		C24MDC212T	Clothing Construction-II	
		C24MDC212P	Clothing Construction-II	
		C24MDC312T		
13	Health and Physical Education	C24MDC113T	Fundamentals of Physical Education	
		C24MDC113P	Fundamentals of Physical Education	
		C24MDC213T	Fundamentals of Yoga	
		C24MDC213P	Fundamentals of Yoga	
		C24MDC313T		
14	Geography	C24MDC114T	General Geography	
		C24MDC214T	Physical Geography of India	
		C24MDC314T		
15	Hindi	C24MDC115T	सो ल मीडिया और हिंदी भाषा	
		C24MDC215T	आलोचनात्मक अध्ययन	
		C24MDC315T		
16	History	C24MDC116T	History of Haryana-I (From Harappan Age to 1526 A.D.)	
		C24MDC216T	History of Haryana-II	
		C24MDC316T		
17	Home Science	C24MDC117T	Health and Hygiene	
		C24MDC117P	Health and Hygiene	
		C24MDC217T	Basics of Fashion Design	
		C24MDC217P	Basics of Fashion Design	
		C24MDC317T		
18	Mass Communication and Video Production	C24MDC118T	Short Film Production	
		C24MDC118P	Short Film Production Lab	
		C24MDC218T	Public Speaking and Creative Writing	
		C24MDC219P	Public Speaking and Creative Writing Lab	
19	Mathematics	C24MDC119T	Mathematics for Everyday Life	
		C24MDC219T	Financial Mathematics	
		C24MDC319T	Fundamentals of Statistics	
20	Music (Instrumental)	C24MDC120T	Fundamentals of Hindustani Music	
		C24MDC120P	Fundamentals of Hindustani Music Lab	
		C24MDC220T	Fundamental Approach to Hindustani Music (Vocal)	
		C24MDC220P	Fundamental Approach to Hindustani Music Lab	
		C24MDC320T		
21	Music (Vocal)	C24MDC121T	Terminology of Hindustani Music (Vocal)	
		C24MDC121P	Terminology of Hindustani Music (Vocal)Lab	
		C24MDC221T	Basics of Hindustani Music (Vocal)	
		C24MDC221P	Basics of Hindustani Music Vocal Lab	
		C24MDC321T		
22	Philosophy	C24MDC122T	Philosophy of Mahatma Gandhi	
		C24MDC222T	Philosophy of Law	
		C24MDC322T		



Pool of Ability Enhancement Course (AEC)

Pool of Ability Enhancement Course (AEC): These courses aim at enabling the students to achieve competency in the English language or Modern Indian Languages (MIL) with special emphasis on language and communication skills.



UG Programme as per National Education Policy-2020

Pool of Skill Enhancement Course (SEC)

Skill Enhancement Courses (SEC): These courses aim at imparting practical skills, hands-on training, soft skills, etc. to enhance the employability of students. It consists of either 3 credit Lecture or 2 credits Lectures and 1 credit Practicum.

Department/ Subject	Arts, Humanities and Social Sciences			
	Semester-I 3 credits	Semester-II 3 credits	Semester-III 3 credits	Semester-III 3 credits
Business Administration	C24SEC101T GST Return Filing	C24SEC201T Digital Marketing	C24SEC301T Startup and Entrepreneurship	
Commerce	C24SEC102T	C24SEC202T	C24SEC302T	
Computer Science	C24SEC103T Office Tools OR C24SEC203T Advance Spread Sheet Tools OR C24SEC303T Data Analysis using C OR C24SEC103P Office Tools Lab OR C24SEC203P Advance Spread Sheet Tools Lab OR C24SEC303P Data Analysis using C Lab	C24SEC103T Office Tools OR C24SEC203T Advance Spread Sheet Tools OR C24SEC303T Data Analysis using C OR C24SEC103P Office Tools Lab OR C24SEC203P Advance Spread Sheet Tools Lab OR C24SEC303P Data Analysis using C Lab	C24SEC103T Office Tools OR C24SEC203T Advance Spread Sheet Tools OR C24SEC303T Data Analysis using C OR C24SEC103P Office Tools Lab OR C24SEC203P Advance Spread Sheet Tools Lab OR C24SEC303P Data Analysis using C Lab	
Commercial Art, Designing and Painting	C24SEC104T Introduction to Design C24SEC104P Introduction to Design Lab	C24SEC204T	C24SEC304T	
Defence Studies	C24SEC105T Study of Terrorism	C24SEC205 Defence Journalism	C24SEC305T	
Economics	C24SEC106T Computer Applications in Economics-I	C24SEC206T Computer Applications in Economics-I	C24SEC306T	

English	C24SEC106P C24SEC107T C24SEC107P	Computer Applications in Economics-II Lab Soft Skills Lab	C24SEC206P C24SEC207T C24SEC207P	Computer Applications in Economics-II Lab Public Speaking and Presentation Skills	C24SEC306P C24SEC307T C24SEC307P	Digital Storytelling and Multimodal Composition
Fashion Designing	C24SEC108T C24SEC108T	Basics of Clothing Construction	C24SEC208T C24SEC208T	Public Speaking and Presentation Skills Lab Hand Embroidery	C24SEC308T	Digital Storytelling and Multimodal Composition
Geography	C24SEC109T C24SEC109P	Basics of Clothing Construction Lab Surveying Techniques	C24SEC209T C24SEC209P	Hand Embroidery Lab Interpretation of Maps and Toposheets	C24SEC308P C24SEC309T	Multimodal Lab
Health and Physical Education	C24SEC210T C24SEC210P	Health Education Health Education Lab	C24SEC210T C24SEC210P	Interpretation of Maps and Toposheets Lab Basic Anatomy and Physiology	C24SEC309P C24SEC310T	
Hindi	C24SEC111T C24SEC111P	तकनीकी हिन्दी कंप्यूटर और हिन्दी लेखन	C24SEC211T C24SEC211P	Basic Anatomy and Physiology Lab शाहिस्तिक लेखन	C24SEC310P C24SEC311T	
History	C24SEC112T C24SEC113T	Glimpse of Ancient India Hand Fabric and Printing Dyeing Techniques	C24SEC212T C24SEC213T	Glimpses of Medieval India Ice Cream and Chocolate Craft	C24SEC311P C24SEC312T	
Home Science	C24SEC113P C24SEC114T	Hand Fabric and Printing Dyeing Techniques Report Writing	C24SEC213P C24SEC214T	Ice Cream and Chocolate Craft Video Production	C24SEC313T C24SEC314T	
Mass Communication and Video Production	C24SEC115T (Instrumental)	Hands on Musical Instruments-1	C24SEC215T	Hands on Musical Instruments-2	C24SEC315T	
Music	C24SEC115P	Hands on Musical Instruments-II Lab	C24SEC215P	Hands on Musical Instruments-II Lab	C24SEC315P	

Department/ Subject	Sciences			Semester-III 3 credits		
	Semester-I 3 credits	Semester-II 3 credits	Semester-III 3 credits			
Biotechnology	Course Code	Nomenclature of Course	Course Code	Nomenclature of Course	Course Code	Nomenclature of Course
	C24SEC126T	Biofertilizer and Biopesticide Production Technology	C24SEC226T	Medical Laboratory Technology	C24SEC326T	Basics of Forensic Science
Botany	C24SEC126P	Biofertilizer and Biopesticide Production Technology Lab	C24SEC226P	Medical Laboratory Technology Lab	C24SEC326P	Basics of Forensic Science
	C24SEC127T	Mushroom Cultivation	C24SEC227T	Organic Farming	C24SEC327T	Floriculture
Chemistry	C24SEC127P	Mushroom Cultivation Lab	C24SEC227P	Organic Farming Lab	C24SEC327P	Floriculture Lab
	C24SEC128T	Basic Laboratory Techniques	C24SEC228T	Chromatographic Techniques, Food and Water Analysis	C24SEC328T	Fuel Chemistry
Computer Science	C24SEC128P	Basic Laboratory Techniques	C24SEC228P	Chromatographic Techniques, Food and Water Analysis	C24SEC328P	Fuel Chemistry
	C24SEC103T	Office Tools	C24SEC203T	Advance Spread Sheet Tools	C24SEC303T	Data Analysis using C
Mathematics	C24SEC103P	Office Tools Lab	C24SEC203P	Advance Spread Sheet Tools Lab	C24SEC303P	Data Analysis using C Lab
	C24SEC129T	Graphing Software Mathematics	C24SEC229T	Linear Algebra through SAGE Game Theory	C24SEC329T	Basics of Cryptography
Physics	C24SEC129P	Graphing Software Mathematics	C24SEC229P	Linear Algebra through SAGE Game Theory	C24SEC329P	Basics of Cryptography
	C24SEC130T	Instrumentation-I	C24SEC230T	Instrumentation-II	C24SEC330T	Numerical Techniques
Zoology	C24SEC130P	Instrumentation-I Lab	C24SEC230P	Instrumentation-II Lab	C24SEC330P	Numerical Techniques Lab
	C24SEC131T	Apiculture	C24SEC231T	Fish Farming	C24SEC331T	Vermiculture and Vermicomposting
	C24SEC131P	Apiculture Lab	C24SEC231P	Fish Farming Lab	C24SEC331P	Vermiculture and Vermicomposting Lab



Pool of Value Added Course (VAC)

(w.e.f. Session 2024-25)
Value-Added Courses (VAC): These courses aim at enabling the students to acquire and demonstrate the acquisition of knowledge and understanding of human values, Indian Knowledge System (IKS), contemporary India, environmental science and education, digital and technical solutions, health and wellness, yoga education, sports and fitness, etc

Course Code	Nomenclature of Course	Semester-I 2 credits		Semester-II 2 credits		Semester-III ² 2 credits		Semester-IV ² 2 credits	
		Course Code	Nomenclature of Course	Course Code	Nomenclature of Course	Course Code	Nomenclature of Course	Course Code	Nomenclature of Course
C24VAC101T	Environmental Studies-1	C24VAC101T	Environmental Studies-1	C24VAC301T	Sustainable Development Goals	C24VAC401T	Environmental Studies-1	C24VAC402T	Artificial Intelligence
C24VAC102T	Human Value and Ethics	C24VAC102T	Human Value and Ethics	C24VAC302T	Indian Biodiversity	C24VAC403T	Ecology and Environment	C24VAC404T	Science and Society
C24VAC103T	Constitutional Values and Fundamental Rights and Duties	C24VAC103T	Constitutional Values and Fundamental Rights and Duties	C24VAC303T	Communication Ethics	C24VAC405T	Yoga: Philosophy and Practice	C24VAC406T	Financial Literacy
C24VAC104T	Understanding India Through Literature	C24VAC104T	Understanding India Through Literature	C24VAC304T	Physics in Everyday Life	C24VAC407T	Business Ethics	C24VAC408T	Polymers and their Applications
C24VAC105T	Biodiversity and Wildlife Management	C24VAC105T	Biodiversity and Wildlife Management	C24VAC305T	Chemicals in Food: Additives, Agrochemicals and Vitamins	C24VAC409T	Journey of Indian Space Satellite	C24VAC410T	Literature and Ethics
C24VAC106T	Indian Social Reform	C24VAC106T	Indian Social Reform	C24VAC306T	Introduction to Indian Scientists	C24VAC411T	Ecology and Environment	C24VAC412T	Environmental Toxicology
C24VAC107T	Media Ethics	C24VAC107T	Media Ethics	C24VAC307T	Basics of Medicinal Plants	C24VAC413T	Chemistry of Daily Life		
C24VAC108T	History of Freedom Movement	C24VAC108T	History of Freedom Movement	C24VAC308T	Basics of Medicinal Plants	C24VAC414T			
C24VAC109T	Digital Empowerment	C24VAC109T	Digital Empowerment	C24VAC309T	Plants in Everyday Life	C24VAC415T			
C24VAC110T	Basics of Indian Astronomy	C24VAC110T	Basics of Indian Astronomy	C24VAC310T	Introduction to Nanotechnology	C24VAC416T			
C24VAC111T		C24VAC111T		C24VAC311T	Emotional Competence and Spirituality for Well-being	C24VAC417T			
C24VAC112T		C24VAC112T		C24VAC312T		C24VAC418T			
				C24VAC313T		C24VAC419T			

