SHRI GURU RAM RAI UNIVERSITY
Quest for Excellence

UNDERGRADUATE CURRICULUM FRAMEWORK & GUIDELINES 2023

(BASED ON NATIONAL EDUCATION POLICY 2020)

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UNDERGRADUATE CURRICULUM FRAMEWORK

&

GUIDELINES - 2023

(Based on National Education Policy - 2020)

The Concept:

UGC in its guidelines for Transforming Higher Education Institutions (HEIs) into multidisciplinary institutions have emphasized that institutions like Takshashila and Nalanda are prime examples of India's long history of using a multidisciplinary approach. Further, the guidelines highlight that ancient India's higher education institutions were renowned for offering instruction in every field of study, including mathematics, chemistry, singing, painting, and carpentry, as well as trades like carpentry and clothing making, professions like engineering and medicine, and soft skills like discussion, debate, and communication.

The guidelines stresses on the policy recommendations of National Education Policy 2020 (NEP 2020) for the purpose of providing multidisciplinary education and its goal to develop an individual's intellectual, aesthetic, social, physical, emotional, ethical, and moral aspects in an integrated manner which will directly contribute to India's transition into a global knowledge superpower. In addition to having many departments, multidisciplinary University, need to offer cutting-edge, multi- and interdisciplinary programs that broaden students' perspectives, enhance their capacity for learning, and prepare them to take on new problems. Globally, the practice of founding and maintaining multidisciplinary research intensive or multidisciplinary teaching intensive University, is quickly growing, which maximizes productivity by placing a greater emphasis on innovation, incubation, and research and development.

The policy recommends that an integrated higher education system, encompassing professional and vocational education, will comprise the whole higher education sector and creation of departments that are required for disciplines that are multidisciplinary, such as education, mathematics, statistics, pure and applied sciences, sociology, economics, sports, translation, and interpretation, as well as languages, literature, music, philosophy, indology, art, dance, and theater. Shri Guru Ram Rai University (SGRRU) was established in 2017, under the aegis of SGRR Education Mission established in 1952, and while adhering to the NEP 2020 policy, offers a pedagogical atmosphere that encourages young minds to pursue teaching, research, innovation, internships, community outreach and entrepreneurship with a "quest for excellence" in the areas of academics, research and innovation.

Preamble

The National Education Policy (NEP) 2020 seeks to foster holistic development, creativity, and critical thinking in students which lays emphasis on a flexible, inclusive, and multidisciplinary curriculum and prepare them for the challenges of today's world.

SGRR University is committed to dismantling conventional barriers between disciplines and combining the arts, sciences, and vocational training to give a well-rounded education in accordance with NEP 2020. In order to maintain the position at the vanguard of educational innovation, the UGCF outlines the course of action for curriculum creation, faculty development, student involvement, infrastructure expansion, and industry partnership. SGRRU is driven by the values of excellence, equity, and accessibility with a goal to improve education by making it more equal and inclusive so that all students, regardless of background, have the chance to succeed and progress on a global and social level.

Vision

To foster a culture of excellence and innovation in teaching, research and extension and to inculcate strong ethical values of social commitment in the young minds in alignment with the transformative goals of the National Education Policy 2020, enabling them to become responsible citizens of global society.

Mission

1. **Equity and Inclusion**: Fair access to excellent, reasonably priced higher education for all, including marginalized and disadvantaged groups and differently abled groups.

2. **Provide a Comprehensive Education**: To establish flexible curriculum framework and offer wide range of courses across interdisciplinary and multidisciplinary disciplines and encourage students to select their own learning trajectories and to study and integrate information for a holistic education.

3. **Promote interdisciplinary Research and innovation**: Promote research that bridges disciplinary boundaries to tackle intricate worldwide issues. To foster collaborations with national and international institutions, industry, and research organizations and promote innovation, and entrepreneurial culture among teachers and students.

4. **Skill development and experiential learning**: Include programs for developing skills in the academic curriculum and to incorporate research internships/industry specific internships or apprenticeship to help enhance students' employability or starting their own business enabling them to become responsible global citizens of tomorrow.

5. **Promote Student development**: To provide multilingual, congenial environment for the well-being of students, strengthen support services such as career advising, counseling, mentorship to create well-rounded students with creativity and problem-solving abilities.

6. **Community Engagement and Social Responsibility**: Take an active part in the community and work to uphold the moral principles of ethics, sustainability, and social responsibility. To encourage lifelong learning opportunities for the community and alumni through various extension and continuing education programs.

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Definitions

1. **National Credit Framework (NCrF):**
   The National Credit Framework (NCrF) is a single meta framework document that has been approved for creditization and integration of learning across a range of academic, skill-building, and experiential learning aspects, including obtained professional and/or relevant experience levels. The Academic Bank of Credits would be used to operationalize the NCrF (ABC). The NCrF would be in line with the frameworks for qualifications in higher education, and skills.

2. **Academic Bank of Credits:**
   The Academic Bank of Credits (ABC) provides the facility to a student to open an academic account and to have accessibility to other Higher Educational Institution. The ABC digitally stores the academic credits that students have acquired during their academic years in the institution and provides the necessary information so that they can issue degrees, diplomas, PG degrees, and certificates to the deserving students.

3. **National Skill Qualifications Framework (NSQF):**
   NSQF is a nationally integrated education and competency-based framework that enables persons to acquire desired competency levels. To help people reach their chosen competency levels, NSQF is a nationally integrated education and competency-based framework. NSQF arranges credentials based on several levels of aptitude, knowledge, and abilities regardless of how they were obtained.

4. **National Higher Education Qualifications Framework (NHEQF):**
   The NHEQF is a tool for the development, categorization, and acknowledgment of credentials along a continuum of levels from 4.5 to 8. Every level is organized according to the established learning outcomes, which are declarations of the knowledge, comprehension, and/or abilities that a learner is anticipated to possess upon successfully completing an authorized study/learning program at a certain level. Students must exhibit the graduate attributes, which are defined in terms of the expected learning outcomes, upon completion of the selected program(s) of study.

5. **Credit:**
   Each semester in a School/College is of 90 days or is a 15-week semester. A Credit mentioned for a course is equal to 15 hours of work over a 15-week semester. A course may include Lecture, Tutorial or practicum/lab work credits. For a course of 4 credits with 3 credits assigned to lecture and one credit assigned to practicum would have three one-hour lectures for the Theory and two hours lab work per week (45 hrs theory and 30 hrs lab work in a 15-week semester). For a tutorial of 1 credit there will be involvement of one hour per week and 15 hours in a 15-week semester. One credit of Seminar/Internship/Studio activities/Field practice/projects/Community engagement and service means two-hour engagements per week. Accordingly, one credit in these courses is equivalent to 30 hours of engagement in 15-week semester.

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Abbreviations:

B.A. : Bachelor of Arts

B.Com. : Bachelor of Commerce

B.Sc.: Bachelor of Science

BCA: Bachelor of Computer Application

BBA : Bachelor of Business Administration

BHA: Bachelor of Hospital Administration

DSC : Discipline Specific Core

DSE: Discipline Specific Elective

GE: Generic Elective

AEC: Ability Enhancement Course

SEC: Skill Enhancement Course

VAC: Value Addition Course

IAPC: Internship/Apprenticeship/Project/Community Outreach

Objectives

1. To provide flexibility and freedom to students to select their educational courses and programs depending on their interests and talents.
2. To acknowledge, recognize, and develop each student's unique traits to assist in their holistic development.
3. To encourage multidisciplinary and holistic education by integrating the social sciences, humanities, arts, and commerce into a multidisciplinary framework.
4. To promote critical thinking as opposed to rote memorizing, as well as creative and thoughtful decision-making.
5. To promote morality, human and constitutional values, as well as life skills including leadership, teamwork, communication, and resilience and to instill a strong sense of moral principles and a social responsibility.
6. To encourage civic engagement and responsible citizenship, instill in them a strong sense of moral principles and a social responsibility.
7. To promote the broad use of technology in education, the reduction of linguistic barriers, increasing the access for the differently abled.
8. To encourage 'multilingual and multicultural education' facilitating 'easy learning, creative thinking and problem solving' for diverse learners.
9. To foster pride in India's rich, varied, old, and contemporary cultures, languages, knowledge systems, and customs.
10. To encourage outstanding research and innovation and establish a robust atmosphere that stimulates research and innovation, inspiring scholars and students to embark on ground breaking endeavours.

Graduate Attributes - As per National Higher Education Qualifications Framework 2023.

Learning outcomes that are specific to disciplinary/interdisciplinary areas of learning. Graduates should be able to demonstrate the acquisition of:

a) Comprehensive knowledge and coherent understanding of the chosen disciplinary/interdisciplinary areas of study in a broad multidisciplinary context, their different learning areas, their linkages with related fields of study and current and emerging developments associated with chosen disciplinary/interdisciplinary areas of learning.

b) Practical, professional and procedural knowledge required for carrying out professional or highly skilled work/tasks related to the chosen field of learning.

c) Skills in areas related to specialization in the chosen disciplinary/multidisciplinary areas of learning in a broad multidisciplinary context.

d) Capacity to extrapolate from what has been learned, translate concepts into real life situations and apply acquired competencies in new/unfamiliar contexts.

Generic learning Outcomes: Graduates should be able to demonstrate the capabilities of:
a) Complex problem-solving
b) Critical thinking
c) Creativity
d) Communication skills
e) Analytical reasoning/thinking
f) Research related skills
g) Coordinating/collaborating with others
h) Leadership readiness/qualities
i) Learning 'how to learn' skills
j) Digital and technological skills
k) Multicultural competence and inclusive spirit
l) Value inculcation
m) Autonomy, responsibility and accountability
n) Environmental awareness and action
o) Community engagement and service
p) Empathy

(Source: NHEQF 2023)

Table 1: Types of qualifications and qualification title/nomenclature at different levels (Based on NHEQF 2023)

NHEQF level	Type of Qualification	Qualification title/nomenclature and programme duration
Level 4.5	Undergraduate Certificate	Undergraduate Certificate (Field of study/discipline). (Programme duration: First year (first two semesters) of the undergraduate programme, followed by an exit 4-credit skills-enhancement course(s).
Level 5	Undergraduate Diploma	Undergraduate Diploma (Field of study/discipline). (Programme duration: First two years (first four semesters) of the undergraduate programme, followed by an exit 4-credit skills-enhancement course(s).
Level 5.5	Bachelor's degree	Bachelor of (Field of study/discipline) the undergraduate programme Examples: • Bachelor of Arts (B.A.), Bachelor of Science (B.Sc.), Bachelor of Commerce (B.Com.), Bachelor of Business Administration (BBA): Three years (six semesters)
Level 6	Bachelor's degree (Hons/ Hons with Research)	• Bachelor of (Field of study/discipline) (Honours/ Honours with Research). • Bachelor of Engineering (B.E), Bachelor of Technology (B.Tech.). Programme duration: Four years (eight semesters)
Level 6	Post-Graduate Diploma	• Post-Graduate Diploma in (Field of study/discipline). Programme duration: One year (two semesters) in the case of those who exit after successful completion of the first year (two semesters) of the 2-year master's programme
Level 6.5	Master's degree	• Master of (Field of study/discipline). Programme duration: Two years (four semesters) for those who have obtained 3-year/6 semesters bachelor's degree, or a 4-year dual major integrated teacher education programme with a B.A. B.Ed or B.Sc. B.Ed degree or B.Com. B.Ed degree. • Master of (Field of study/discipline). Programme duration: One year (two semesters) in the case of those who have obtained a 4-year/8 semester Bachelor's (Honours/Honours with Research) degree Examples: • Master of Arts (M.A), Master of Commerce (M.Com.), Master of Science (M.Sc.), Master of Business Administration (MBA). Programme duration: Two years (Four semesters) after obtaining a Bachelor's degree. • Integrated Bachelor's - Master's degree programmes. Programme duration: five years (ten semesters) after successfully completing secondary education
Level 7		• Master of (Field of study/discipline). Programme duration: Two years after obtaining a 4-year Bachelor's degree in Engineering/Technology (B.E./B.Tech.) Example: Master of Engineering, (M.E.) Master of Technology (M.Tech.)
Level 8	Doctoral degree	Doctor of Philosophy (Ph.D.)

Curricular components of UG Programmes at SGRRU as per NEP 2020

i) **Single Discipline and Multidisciplinary UG programs**: At SGRR University, single discipline and multidisciplinary UG programmes as per NEP 2020 were introduced from 2022-23 onwards. The courses like Ability enhancement courses, Value addition courses, vocational/skill courses, and generic elective (open elective) were allocated credits and were introduced along with Major and minor core course/electives. The UG curriculum was revised in 2023-24 as per UG Curriculum & Credit Framework (2022).

Disciplinary/interdisciplinary Majors: These programs give students the chance to delve deeply into a single subject or field of study for six semesters. If desired, the students are permitted to switch their major within the broad discipline at the conclusion of the second semester only (B.A. programme). The students shall choose any two majors in 3rd year such as in B.Sc. (PCM/CBZ etc.) The VIIth semester includes a project/dissertation, related to the discipline of study or interdisciplinary, as per the requirement of degree.

Disciplinary/interdisciplinary Minors: The disciplinary/interdisciplinary electives and generic electives may be chosen as minors. A minor in a core discipline or an interdisciplinary field of study other than the major of choice will be awarded to students who complete a sufficient number of courses and credits in those fields. After examining a variety of courses, a student may declare their choice of minor at the conclusion of the second semester and choose elective papers as per choice of minor.

ii) **Skill courses and experiential learning**: Students can select courses from both skill-based courses associated with a selected vocational education program and/or skill-based courses offered by other departments. The UG curriculum incorporates compulsory Skill enhancement courses of 2 credits in first 2 semesters and as a choice with IAPC/MOOCs from 3rd to 6th semester. The Value addition courses, and Ability Enhancement courses of 2 credits each are also introduced in first 4 semesters. The IAPC (Internship/ Apprenticeship/ Project/ Community Outreach) component is introduced in the UG curriculum from 2023-24 onwards and 2022-23 (revised) and starts in either 3rd or 5th semester onwards *(Table 3-5)*. The UG program integrates academic learning with practical experiences and experiential learning through skill courses, internship, apprenticeship, project and community outreach. Community engagement can be part of summer activity also.

iii) **Ability Enhancement course (AEC) and Value addition course (VAC):** The AEC emphasize upon the development of skills while the Value addition course focus on the understanding of Indian Knowledge systems. Both the types of courses are run in the first 4 semesters and are of 02 credits in each semester.

iv) **Summer internship/ apprenticeship:** Students who wish to exit after the first two semesters or after 4 semesters will undergo 4 credit summer internship/apprenticeship in a firm/industry or organization or training in labs with faculty and researchers during the summer term in order to get a UG Certificate or UG Diploma after 2 or 4 semesters.

v) **Research project/Dissertation:** The students who pursue a 4-year Bachelor's degree (Hons. with Research) shall complete the research project in the eighth semester under the guidance of faculty. The research outcomes may be published or patented.

vi) **Other activities:** Includes participation in activities related to NSS (National Social Service) and NCC (National Cadet Corps).

Total Notional Learning Hours in a Year for Assignment of Credits (NCrF 2023):

For the purpose of calculations under the National Credit Framework (NCrF), in general, 30 notional learning hours will be counted as one Credit. The total Notional Learning Hours for assignment of credits across higher education and vocational education & training/skilling have been agreed to be 1200 hrs per year. (*Table 2*).

Thirty notional learning hours will generally be counted as one credit under the National Credit Framework (NCrF). Within the parameters of the curriculum design, students are also free to take programs, courses, disciplines, and projects in excess of 40 credits in order to earn more credits. All UG programs at SGRRU (as per NEP 2020) have 22 credits/semester.

Table 2: NCrF levels and Credit Assignment in Higher Education (*Source: NCrF 2023*)

Sr. No.	Examples of Higher Education Qualifications Located within Each LeveL (Including Science/Arts/Com/Voc)	Total Learning Hrs/Year	Total credits per year	National Credit Framework Credit Levels	Credits points
C-1	C-2	C-3	C-4	C-5	C-6 (C-4 X C-5)
1	**Undergraduate Certificate** Programme duration: first year (first two semesters) of any undergraduate programme	1200	40	4.5	180
2	**Undergraduate Diploma** Programme duration: first two years (first four semesters) of any undergraduate programme	1200	40	5	200
3	**Bachelor's Degree** Programme duration: three years (Six semesters) of any undergraduate programme	1200	40	5.5	220
4	**Bachelor's Degree (Honours/ research/ Engineering).** Programme duration: four years (eight semesters) of any UG programme	1200	40	6	240
5	**Post-Graduate Diploma.** Programme duration: One year (2 semesters) after 3-year bachelor's degree/ 2 semesters of the 2-year master's degree	1200	40	6	240
4	**Master's Degree.** Programme duration: One year (two semesters) after obtaining a 4-year Bachelor's degree (Honours/Research).	1200	40	6.5	260
5	**Master's Degree.** Programme duration: two years (four semesters) after obtaining a 3 yr Bachelor's degree	1200	40	6.5	260
6	**Master's degree;** Programme duration: two years (four semesters) after obtaining a Bachelor's Engineering degree.	1200	40	7.0	280
7	**Doctoral degree**	1200	40	8.0	320

Features of Undergraduate Curriculum Framework (UGCF) at SGRRU

I Multidisciplinary Flexible Curriculum:

The University has implemented multidisciplinary undergraduate curriculum as per NEP 2020 from academic session 2022-23 that would foster the integrated development of all human capacities- intellectual, artistic, social, physical, emotional, moral, and ethical-as well as soft skills like problem-solving and critical and creative thinking.

Course:

Also referred to as paper and is a part of a programme. A course includes credits ranging from 2 credits to 4 credits which may vary in number. The course is created with objectives and learning outcomes and includes lectures, tutorials, practicum, field work, outreach activities, project work, dissertations, internships, apprentice programmes, practical training, vivas, seminars etc. Each semester shall be of 22 credits for UG programmes.

Types of Courses: Major and Minor Courses

1. **Courses of Study** – The courses of study show that a certain discipline is being pursued. Discipline Specific Cores (DSCs), Discipline Specific Electives (DSEs), and Generic Electives (GEs) are the three types of courses of study that each discipline must offer.

   A. Discipline Specific Core:

   Discipline Specific Core (DSC) is a course of study that a student must take in order to fulfill requirements for their program of study. All Discipline specific core courses (major or minor) are of 4 credits with adequate distribution of credits between Theory and Lab course such as 2 or 3 credits for Theory course and an additional 2 or 1 credits are allotted for tutorials or practicals. The Discipline Specific Core Courses are the core courses taught in a Programme running under a department. For example, for award of single discipline specific degree, such as B.Sc. Biotechnology or B.A. Journalism and Mass Communication, Discipline Specific Core shall be three core courses of Biotechnology or Journalism and Mass Communication, i.e. in each semester 18 DSCs from I semester to VI semester, for the award of UG degree with major in Biotechnology or Journalism and Mass Communication and one Discipline Specific Core course in Biotechnology or Journalism and Mass Communication, in VII and VIII semester each for the award of B.Sc. Journalism and Mass Communication (Hons/Hons With Research) with major in core subject and minor in another subject with required number of credits *(Table 3)*.

   On the other hand, to pursue an UG degree program in 'multidisciplinary courses' of study, such as B.Sc. (Botany, Zoology, Chemistry) or B.A. (Geography, History), the Discipline Specific core courses comprise of core courses of three disciplines i.e. Botany, Zoology and Chemistry, in each semester till IV semester and any 2 disciplines in V and VI semester for the award of UG degree in Bachelor of Science

or core courses of two disciplines i.e. Geography, History having additional core course of either Geography or History each semester as per the choice of the student for the award of UG degree in Bachelor of Arts. The UG degree with a major in a discipline may be awarded if student attains minimum credits required for the same. In the IVth year of Honours degree programme, the Discipline Specific Core Course is from any 'one' discipline out of the two disciplines (B.Sc.) or two disciplines (B.A.) studied in V & VI semester as the case may be. (*Table 4 & 5*)

B. Discipline Specific Elective:

The Discipline Specific Electives (DSEs) are a pool of credit courses in either one discipline (single discipline program of study) or two or three disciplines (multidisciplinary program of study in B.Sc. or B.A. or B.Com.) that the student must choose from the list of elective courses identified and offered by the respective Department. For example, in B.A. Journalism and Mass Communication programme of 3-year/4-year duration, Discipline Specific Elective courses must be chosen from a pool of elective courses (may also include MOOCs) identified and offered by the Department of Journalism and Mass Communication.

Similarly, in B.Sc. (Multidisciplinary programme such as CBZ) of 3-year duration, the Discipline Specific electives must be chosen from a pool of elective courses (may also include MOOCs) identified and offered by the Departments of Botany, Zoology and Chemistry, the core courses of the UG programme.

However, to pursue Honours degree programme in a field of Multidisciplinary courses of study, the student shall choose Discipline Specific Elective from any one of the 3 disciplines in VII and VIII semesters as required for his choice of major or minor i.e. Chemistry/Botany/Zoology and not a combination of these three disciplines *(Table 3 & 4)*.

C. Generic Elective:

A pool of courses known as Generic Electives (GEs) or Open elective is designed to give students an interdisciplinary or multidisciplinary education. A student can select from a pool of courses offered by different study disciplines (apart from the GEs offered by parent discipline) or from MOOCs in odd and even semesters of the programme.

However, each department would list the GEs to be taught in a programme which will be opted by students from other departments. For example, a student pursuing B.Sc. programme can opt for GE course from Department of Music or Department of Yogic Science and a student pursuing B.A. programme can opt for GE course from Department of Computer Science or Department of Commerce.

In case a student selects Discipline specific elective course beyond his/her discipline specific course of study, such elective courses will be treated as GEs for that student.

D. Skill Enhancement Course, Value Addition Course & Ability Enhancement Course.

a) Skill Enhancement course:

Skill Enhancement courses (SECs) are competency-based courses that include all subject areas and are designed to give students practical experience, competence, proficiency, and skills. Students can select Skill enhancement courses from a list of courses that are intended to offer skill-based learning offered by other departments/same department or by Professional awarding bodies, Standard or dual (with NSQF aligned and approved qualification) having an MoU with SGRRU or otherwise and approved by NCVET (National Council for Vocational Education and Training). Every discipline shall provide skill-based courses, some of which may be offered to students of its discipline while the rest can be open to students of all other disciplines.

b) Value Addition Course:

Value addition courses (VACs) are a common pool of courses offered by various disciplines with the goals of fostering teamwork, sports & physical education, critical thinking, scientific temperament, Indian Knowledge Systems, personality building, and the embedding of ethical, cultural, and constitutional values. These courses will aid in the students' overall development. The course focus on the understanding of Indian Knowledge systems or emphasis on constitutional values and fundamental rights and duties or health and wellness through yoga education. The student can choose the course offered by the same department or other departments at SGRRU.

c) Ability Enhancement Course:

The AEC, which is compulsory course, emphasize upon the development of skills and are built around content that enhances understanding across a range of subject areas such as English communication and Environmental studies. The two subjects that will be compulsory for all UG programmes of single or multidisciplines are English Communication and Environmental Studies and will be studied in flip mode, as per feasibility.

II Integration of Disciplines:

The university's approach to integrating humanities and sciences with STEM (Science, Technology, Engineering, and Mathematics).

a) **Generic elective courses and DSEs:** Effectively integrating STEM and humanities into a university curriculum can be accomplished with well-crafted general elective courses.

b) The UG curriculum framework at SGRR University has a pool of Generic elective courses/Open Electives introduced by each department of respective School in order to provide multidisciplinary or interdisciplinary education to students.

c) An Open Elective basket was introduced in 2022-23 session which included a pool of

courses from different departments of University from which the student could choose.

For example, B.Sc. Botany (CBZ) student can opt for GE course/OE course in the department of Mathematics. Similarly, a B.Sc. Statistics (PMS) or B.Sc. Defence studies (PMD) student can opt for GE Course in B.A. Music and vice versa.

d) The GE courses offered by various disciplines in both odd and even semesters can be chosen by the student from Ist semester onwards. In single discipline UG programmes, the GE course can also be a minor discipline with required credits.

e) The University has also given provision to opt for such courses from SWAYAM platform (MOOCs).

III Flexible and Innovative Curricula:

The Board of Studies of different departments at SGRRU have designed flexible and innovative curricula as per NEP 2020 and UGCF 2022 in the undergraduate (UG) programs in order to promote multidisciplinary and holistic learning with a student-centric approach which are highlighted below:

a) **Choice-Based Credit System (CBCS):** In addition to their core topics, students can select from a broad variety of elective courses across fields under the choice-based credit system.

b) **Interdisciplinary Minors:** The Undergraduate curriculum framework gives the students flexibility in choosing their learning paths and pursuing degree programs of their choice. According to their preferences, students can select one or two disciplines in all six semesters, or more than two disciplines as core disciplines within the UG programme framework offered in the University in the first four semesters.

The students are permitted to switch their major within the broad discipline at the conclusion of the second semester for example in B.A. programme. He/she has been given the choice to specialize in studying related courses within the discipline(s) they have chosen (DSEs) or to broaden their horizons by pursuing studies in other fields (GEs).

c) **Vocational and experiential learning:** The option to study SECs offered by same or different department or choose Skill courses, internships, apprenticeships approved by NCVET, projects, research or research internships (MoU with SGRRU), or community outreach at the right time has also been granted to students.

Therefore, flexibility is given to the students to move from one institution to another or choose alternative modes of learning (Offline or Online through MOOCs). Students have the option to write a dissertation in their fourth year (on major, minor, or combination of the two).

IV Multidisciplinary Research Endeavours:

According to Curriculum & Credit Framework for Undergraduate Program (CCFUP) UGC 2022, a minimum of 2-4 credits, out of the required minimum 120/160 credits, of a 3-year UG degree/4-year UG degree (Honours)/4-year UG degree (Honours with Research) may be assigned for internship.

a) At SGRRU, for the students enrolling in 3-year UG degree programmes of 132 credits as per NEP 2020, a 60-hour internship (02 credits) following the second semester is incorporated in the curriculum under IAPC component from IIIrd to VIth semester based on the core discipline(s) studied by the student. In order to allow students to actively engage with the practical side of their learning and, as a byproduct, further improve their employability, this research internship will ideally be conducted under Memorandums of Understanding (MoUs) with various organizations or research internships with faculty or researchers at their own or other research institutions, under collaboration with SGRRU.

b) For B.Sc. or B.A. or B. Com. or BBA programmes, in the fourth year, students who have earned 75% or higher in the prior six semesters UG degree and want to do undergraduate research can select a research core discipline of their choice. The student who secures 176 credits and completes a rigorous research project of 12 credits in their core/major area of study in the 4th year of the bachelor's degree will be awarded UG degree (Hons with research) with a major and minor in disciplines after attaining minimum credits requirement.

c) The seventh semester includes advanced disciplinary/interdisciplinary courses, a research methodology course which will be mandatory for students who want to pursue UG degree (Honours with research) in the fourth year, and a project/dissertation. The preparation, presentation/seminar, and submission of the project report/dissertation will be taken up in the final semester or as decided by Board of studies of department. The topic of the project work or dissertation will either be interdisciplinary or related to the discipline of study. As per the requirement of the research work, the student is permitted to carry out a research project or dissertation in another department of the University with approval of respective Dean of School/Head of department.

d) A 4-year UG Degree (Honours with Research) may be offered by departments that are already approved to offer Ph.D. programs. For other departments, offering Hons with Research it must be ensured that the necessary infrastructure, including a library, journal access, computer labs and software, lab space for conducting experimental research, and at least two permanent faculty members who are accredited as Ph.D. supervisors, are present in departments offering a four-year UG Degree (Honours with Research).

V Best practices adopted by the Institution to promote multidisciplinary education:

a) To increase the effectiveness, transparency, and caliber of the UG programs based on NEP 2020, there exists a uniform standard credit system with a course grid in following UG programs of study:

  - ➢ single discipline specific (*Table 3*) or
  - ➢ Multidisciplinary courses of study under science stream *(Table 4)* or
  - ➢ Multidisciplinary courses of study under Arts/Commerce stream *(Table 5)*

  This will eventually help the students understand the relevance of various courses in future and choose the correct course as per their interest and earn the credit points in the relevant area and will help promote institutional objectives for multidisciplinary, holistic education.

b) In order to enhance employability of the UG students, apart from the curriculum, the value-added courses of minimum 30 hours are made universally available for all the students and each year new ones are incorporated by the departments.

c) The inclusion of skill courses of 2 credits in first 4 semesters with incremental increase in respective disciplines right from the first year to make the students employable after every exit. MoUs are done with Professional awarding bodies (with NSQF aligned and approved qualification) approved by NCVET.

d) To provide opportunities for internships/apprenticeship with local industry, businesses, artists etc., or research internships with faculty and researchers at own institution or other research institution (through MoUs) under IAPC component introduced from III to VI semester of all UG Programmes.

e) Peer tutoring and peer reviewing practices have existed for many years. Mentor-mentee system exists to mentor/guide students to choose the discipline/area of his choice or interest which will help him/her in their career in future.

f) The Innovation and Incubation centre is established to promote novel/innovative ideas creating entrepreneurship opportunities for these students if he/she wants to become an entrepreneur.

SGRRU'S STRATEGIC PLAN TO TRANSFORM INTO A HOLISTIC, MULTIDISCIPLINARY INSTITUTION:

a) **Introduction of Interdisciplinary Programs:** To provide the students a well-rounded education that combines information from several fields, equipping them for a variety of professional options and advanced study, by providing interdisciplinary undergraduate programs as per the need of the hour and the prevailing trend of job requirement.

➤ **Create and Execute New Initiatives**: The UG curriculum should combine disciplines such as technology, science, humanities, social sciences, and arts and design curriculum so that the core credits are distributed among the constituent disciplines so as to get core competence in the interdisciplinary programme. For example, B.A. in Political Science and International Relations or B.A. in Language and Theatre or B.Sc. in Econometrics and Data Science or B. Com in Financial Technology and Business Analytics etc.

➤ **Flexible Curriculum Structure**: Provide students the freedom to select elective courses from a variety of subject areas. By providing these interdisciplinary undergraduate programs that combines information from several fields, equips the students for a variety of professional options and advanced study.

b) **Curriculum Revision:**

Regular Updation of Curriculum: Make sure the curriculum is kept up to date with the most recent developments in technology, industry trends, and societal demands by reviewing and updating it on a regular basis. Involvement of all stakeholders in the curriculum development process, such as industry professionals, former employees, educators, and students as per the Ordinance of SGRR University.

c) To nurture **'multilingual and multicultural education'** facilitating 'easy learning, creative thinking and problem solving' for diverse learners.

d) **Skill Development**: Integration of Vocational and Skill-Based Courses to enhance employability as per NEP 2020 and National Credit Framework (NCrF). In addition to theoretical education, the skill courses should align with the National Council for Vocational Education and Training (NCVET) and the National Skill Qualification Framework (NSQF) levels. This will help students obtain industry-recognized certifications such as NCVET-certified courses that are in line with NSQF levels in addition to their degree and will enhance students' employability and ensure that they are well-prepared for the demands of the modern job market.

e) **Internships/ Apprenticeship/ Project/ Community Outreach (IAPC component):** Establishment of Internship and Apprenticeship Promotion Cell (IAPC) to facilitate experiential learning in the form of research internships/summer internships or industry specific internships etc. through already existing MoUs and also invite industries to SGRRU and develop strong industry-academia relationship or develop strong partnerships with industries, businesses, NGOs, and government organizations. Provide flexibility in

scheduling to accommodate the timing of internships and apprenticeships and develop funding opportunities through grants and partnerships with industry.

Form alliances with nearby businesses and communities to make sure that research and education meet the demands of the community. As a result, the graduates who pass out can support social and economic development in the industries and communities.

f) **Multiple Entry and Multiple Exit policy (ME-ME policy)** – Each bonafide student should compulsorily complete credit requirement of core courses of University and will follow the University ME-ME policy to enter or exit at any level of 3-year UG programme.

g) **MOOCs (Massive Open Online courses):** Encourage students to choose courses from SWAYAM platform. The credit transferability shall be promoted as approved in Academic Council of University. MOOCs shall be encouraged in III, IV, V and VI semesters after finalizing the course provided in the list circulated by UGC at the start of semester and getting it approved in Academic Council.

h) **Capacity Development Programs for Faculty, Infrastructure expansion for enhancement of research capabilities & Best practices:**

  ➤ enhancing the digital infrastructure and build a robust IT infrastructure to support online and hybrid learning models, high-speed internet, comprehensive learning management systems (LMS), and digital libraries

  ➤ Strengthening research by facilitating knowledge exchange and resource sharing and assist faculty in applying for external grants

  ➤ Incentives for research excellence under Policy for incentives for research, innovation and Entrepreneurship.

  ➤ Provide administrative and technical support for research activities which will streamline research processes, allowing faculty to focus more on their research activities. Establish specialized research facilities or research centres with an emphasis on interdisciplinary studies and cutting-edge disciplines including bioinformatics, environmental sustainability, and artificial intelligence.

  ➤ Set up mini-incubation centers to nurture startups and innovative projects by students and faculty.

  ➤ Implementing Regular faculty capacity development programs on innovative teaching methodologies, interdisciplinary curriculum development, inclusive education practices for professional development and providing training in research methodologies, grant writing, publication processes etc. for research skill enhancement.

Table 3

Basic Structure of UG Single Core Discipline Program –
Example: B.A. in Journalism and Mass Communication or B.A. (Hons./Hons. with Research) in Journalism and Mass communication

Sem	Core - Discipline Specific Core (DSC)	Elective-Discipline Specific Elective (DSE)	Elective - Generic Elective (GE)	Ability Enhancement Course (AEC)	Skill Enhancement Course (SEC)	(Internship/ Apprenticeship / Project/ Community Outreach) (IAPC)	Value Addition Course (VAC)	Total Credits
	Course/credit distribution (Credits 4) (Theory or Theory + Practicum/Lab) (4T or 3T+1L)	Course/ credit distribution (Credits 4) Theory or Theory + Practicum / Lab (4T or 3T+1L or 2T+2L)	Course/ credit distribution (Credits 4) Theory or Theory + Practicum / Lab (Credits 4T or 3T+1L or 2T+2L)	Course/ credit distribution (Credits 2)	Course/credit distribution (Credits 2)	Course/ credit distribution (Credits 2)	Course/ credit distribution (Credits 2)	
I	DSC 1- (4) DSC 2- (4) DSC 3- (4) (4T or 3T+1L)		Choose one from a pool of courses **GE – 1 (4)**	AEC 1/ AEC 2 (2)	Choose one from a pool of courses **SEC – 1 (2)**		Choose one from a pool of courses **VAC 1 (2)**	22
II	DSC 4- (4) DSC 5- (4) DSC 6- (4) (4T or 3T+1L)		Choose one from a pool of courses **GE – 2 (4)**	AEC 1 /AEC 2 (2)	Choose one from a pool of courses **SEC – 2 (2)**		Choose one from a pool of courses **VAC – 2 (2)**	22
	Students on exit shall be awarded Undergraduate Certificate (in the field of study/Discipline) after securing requisite 44 credits in semester I & II and vocational course of 4 credits as per Guidelines							*Total credits= 44*
III	DSC 7- (4) DSC 8- (4) DSC 9- (4)	Choose one from a pool of courses, **DSE 1 (4)** OR		AEC 3 /AEC 4 (2)	Choose one from **SEC 3 – (2)**		Choose one from a pool of	22

	(4T or 3T+1L)	GE - 3 (4) (4 T/or 3T+1L/or 2T+2L) OR **MOOC (4)**			OR **Internship/Apprenticeship / Project/ Community Outreach (IAPC) – (2)**	courses **VAC – 3 (2)**	
IV	**DSC 10- (4)** **DSC 11- (4)** **DSC 12- (4)** (4T or 3T+1L)	Choose one from a pool of courses, **DSE 2 (4) credits)** OR **GE - 4 (4)** (4 T/or 3T+1L/or 2T+2L) OR **MOOC (4)**	**AEC 3/ AEC 4 (2)**	Choose one from **SEC 4** – (2) OR **Internship/Apprenticeship / Project/ Community Outreach (IAPC) – (2)**	Choose one from a pool of courses **VAC – 4 (2)**	22

Students on exit shall be awarded Undergraduate Diploma (in the field of study/Discipline) after securing requisite 88 credits in semester III & IV and vocational course of 4 credits as per Guidelines — **Total credits= 88**

V	**DSC 13- (4)** **DSC 14- (4)** **DSC 15- (4)** (4T or 3T+1L)	Choose one from a pool of courses, **DSE 3 (4)** credits) 3T+1L/or 2T+2L) OR **MOOC(4**	Choose one from a pool of courses **GE – 5 (4)** OR **MOOC (4)**		Choose one from **SEC 5** – (2) OR **Internship/Apprenticeship / Project/ Community Outreach (IAPC) – (2)**		22
VI	**DSC 16- (4)** **DSC 17- (4)** **DSC 18- (4)** (4T or 3T+1L)	Choose one from a pool of courses, **DSE 4 (4 credits)** 3T+1L/or 2T+2L) OR **MOOC(4**	Choose one from a pool of courses **GE – 6 (4)** **OR** **MOOC (4)**		Choose one from **SEC 5** – (2) OR **Internship/Apprenticeship / Project/ Community Outreach (IAPC) – (2)**		22

Students on exit shall be awarded Bachelor of (in the field of study) (Discipline) after securing requisite 132 credits on completion of semester VI with a Major or Minor as per guidelines — **Total credits= 132**

VII	**DSC 19 (4)** (4T or 3T+1L)	**Choose 3 DSE (3x4)** courses (4T or 3T+1L) OR **Choose 2 DSE – (2x4) and one GE (4)**		Dissertation on Major/Minor (6) OR Courses/seminar (Hons)		22

		course OR **Choose 1 DSE (4) and 2 GE** (2x4) courses **(Total= 12)**				
VIII	**DSC 20 (4)** (4T or 3T+1L)	**Choose 3 DSE (3x4)** courses (4T or 3T+1L) OR **Choose 2 DSE – (2x4) and one GE (4)** course OR **Choose 1 DSE (4) and 2 GE** (2x4) courses **(Total= 12)**		Dissertation on Major/Minor (6) OR Courses/seminar (Hons) **(4+2)**		22

Students on exit shall be awarded Bachelor of (field of study) (Honours or Honours with Research) Discipline after securing requisite 176 credits on completion of semester VIII with Major or Minor as per guidelines

Total credits= 176

Table 4 Basic Structure of UG Programme (with Three Core disciplines)
B.Sc. (Programme) with Chemistry/Botany/Zoology or Physics/Chemistry/ Mathematics as core disciplines

Sem	Core - Discipline Specific Core (DSC)	Elective- Discipline Specific Elective (DSE)	Elective- Generic Elective (GE)	Ability Enhancement Course (AEC)	Skill Enhancement Course (SEC)	(Internship/ Apprenticeship / Project/ Community Outreach) (IAPC)	Value Addition Course (VAC)	Total credits
	Course/credit distribution (Credits 4) Theory or Theory + Practicum/Lab (4T or 3T+1L)	Course/ credit distribution (Credits 4) Theory or Theory + Practicum/ Lab (4T or 3T+1L or 2T+2L)	Course/ credit distribution (Credits 4) Theory or Theory + Practicum/ Lab (Credits 4T or 3T+1L or 2T+2L)	Course/ credit distribution (Credits 2)	Course/credit distribution (Credits 2)	Course/ credit distribution (Credits 2)	Course/ credit distribution (Credits 2)	22
I	DSC A (Botany) 1- (4) DSC B (Zoology) 1- (4) DSC C (Chem)1- (4) (3T+1L)		Choose one from a pool of courses GE – 1 (4)	AEC -1/ AEC - 2 (2)	Choose one from a pool of courses SEC – 1 (2)		Choose one from a pool of courses VAC – 1 (2)	22
II	DSC A (Botany) 2- (4) DSC B (Zoology) 2- (4) DSC C (Chem) 2- (4) (3T+1L)		Choose one from a pool of courses GE – 2 (4)	AEC 1/ AEC 2 (2)	Choose one from a pool of courses SEC – 2 (2)		Choose one from a pool of courses VAC – 2 (2)	22
	Students on exit shall be awarded Undergraduate Certificate (in the field of Multidisciplinary study) after securing requisite 44 credits in semester I & I and vocational course of 4 credits as per Guidelines							Total = 44
III	DSCA (Botany) 3-(4) DSC B (Zoology) 3- (4) DSC C (Chem)3- (4)	Choose one from a pool of courses, **DSE A/B/C (4)** OR **GE - 3 (4)** (4 T/or 3T+1L/or 2T+2L) OR **MOOC**		AEC 3/ AEC 4 (2)	Choose one from **SEC 3 –** (2) OR **Internship/Apprenticeship / Project/ Community Outreach (IAPC) – (2)**		Choose one from a pool of courses VAC – 3 (2)	22

	(3T+1L)					
IV	**DSC A(Botany) 4-(4)** **DSC B (Zoology) 4-(4)** **DSC C (Chem)4- (4)** (3T+1L)	Choose one from a pool of courses, **DSE A/B/C (4)** credits) OR **GE - 4 (4)**(4 T/or 3T+1L/or 2T+2L) OR **MOOC**	**AEC 3/ AEC 4 (2)**	Choose one from **SEC 4 – (2)** OR **Internship/Apprenticeship / Project/ Community Outreach (IAPC) – (2)**	Choose one from a pool of courses **VAC – 4 (2)**	22
Students on exit shall be awarded Undergraduate Diploma (in the field of Multidisciplinary study/Discipline) after securing requisite 88 credits in semester III & IV and vocational course of 4 credits as per Guidelines						**Total = 88**
V	**Total 16 credits** (08+08) DSC A 5a (Botany) (4); DSC A 5b (Botany) (4) & DSC B 5a (Zoology) (4) DSC B 5b (Zoology) (4) **OR** DSC B 5a (Zoology) (4); DSC B 5b (Zoology) (4) & DSC C 5a (Chem) (4) DSC C 5b (Chem) (4) **OR** DSC C 5a (Chem) (4); DSC C 5b (Chemistry) (4) & DSC A 5a (Botany) (4) DSC A 5b (Botany) (4) (3T+1L)	Choose one from a pool of courses, **DSE A/B/C (4)** credits) (3T+1L/or 2T+2L) OR Choose one from a pool of courses **GE – 5 (4)** OR **MOOC (4)**		Choose one from **SEC 5 – (2)** OR **Internship/Apprenticeship / Project/ Community Outreach (IAPC) – (2)**		22

VI	Total 16 credits (08+08) DSC A 6a(Botany) (4); DSC A 6b (Botany) (4) & DSC B 6a (Zoology) (4) DSC B 6b (Zoology) (4) **OR** DSC B 6a (Zoology) (4); DSC B 6b (Zoology) (4) & DSC C 6a (Chem) (4) DSC C 6b (Chem) (4) **OR** DSC C 6a (Chem) (4); DSC C 6b (Chemistry) (4) & DSC A 6a (Botany) (4) DSC A 6b (Botany) (4) (3T+1L)	Choose one from a pool of courses, **DSE A/B/C (4 credits)** (3T+1L/or 2T+2L) OR Choose one from a pool of courses **GE – 6 (4)** OR **MOOC (4)**		Choose one from **SEC 5 – (2)** OR **Internship/Apprenticeship / Project/ Community Outreach (IAPC) – (2)**	22
Students on exit shall be awarded Bachelor of Science (in the field of Multidisciplinary study/Discipline) after securing requisite 132 credits on completion of semester VI with a Major or Minor as per guidelines					**Total= 132**
VII	**DSC A/B/C 7 - (4)** (3T+1L)	**Choose 3 DSE** (3x4) courses OR **Choose 2 DSE – (2x4) and one GE (4)** course OR **Choose 1 DSE (4) and 2 GE** (2x4) courses(Total= 12)		Dissertation on Major (6) OR Courses/seminar (Hons) (4+2)	22
VIII	**DSC A/B/C 8 - (4)** (3T+1L)	**Choose 3 DSE** (3x4) courses OR **Choose 2 DSE – (2x4) and one GE (4)** course OR **Choose 1 DSE (4) and 2 GE** (2x4) courses (Total= 12)		Dissertation on Major (6) OR Courses/Seminar (Hons) (4+2)	22
Students on exit shall be awarded Bachelor of Science (in the field of Multidisciplinary study/Discipline) (Honours or Honours with Research) after securing requisite 176 credits on completion of semester VIII with Major or Minor as per guidelines					**Total = 176**

Table 5

Basic Structure of UG Programme (with Two Core disciplines)
B.A. (Programme) with History and Economics/History and Geography/History and Political Science as core disciplines or B.Com programme with Commerce & Economics

Sem	Core - Discipline Specific Core (DSC)	Elective- Discipline Specific Elective (DSE)	Elective- Generic Elective (GE)	Ability Enhancement Course (AEC)	Skill Enhancement Course (SEC)	(Internship/Apprenticeship / Project/ Community Outreach) (IAPC)	Value Addition Course (VAC)	Total credits
	Course/credit distribution (Credits 4) Theory (4T) or Theory + Practicum/Tutorial (3T+1L) or (3T+1T)	Course/ credit distribution (Credits 4) Theory (4T) or Theory + Practicum/ Tutorial (3T+1L) or (3T + 1T)	Course/ credit distribution (Credits 4) Theory(4T) or Theory + Practicum/ Tutorial (3T+1L) or (3T+1T)	Course/ credit distribution (Credits 2)	Course/credit distribution (Credits 2)	Course/ credit distribution (Credits 2)	Course/ credit distribution (Credits 2)	22
I	DSC 1 (A /B) (DSC A- (History) **or** DSC B - (Economics) (4) 1. **DSC A1** (History)- (4) 2. **DSC B1** (Economics) - (4)		Choose one from a pool of GE language courses **GE – *Lang. 1 (4)**	AEC 1/ AEC 2 (2)	Choose one from a pool of SEC courses **SEC – 1 (2)**		Choose one from a pool of VAC courses **VAC – 1 (2)**	22
II	1.DSC 2 (A/B) (DSC A- (History) **or** DSC B – (Economics) (4) 1. **DSC A2** (History)- (4) 2. **DSC B2** (Eco)- (4)		Choose one from a pool of GE language courses **GE – *Lang. 2 (4)**	AEC 1/ AEC 2 (2)	Choose one from a pool of SEC courses **SEC – 2 (2)**		Choose one from a pool of VAC courses **VAC – 2 (2)**	22
	Students on exit shall be awarded Undergraduate Certificate (in the field of Multidisciplinary study) after securing requisite 44 credits in semester I & I and vocational course of 4 credits as per Guidelines							Total = 44

III	1. **DSC 3 (A or B)** (DSC A- (History) **or** DSC B – (Economics) (4) 2. **DSC A3** (History)- (4) 3. **DSC B3** (Economics) - (4)		Choose one from a pool of GE language courses **GE – *Lang. 3 (4)**	**AEC 3 / AEC 4 (2)**	Choose one from **SEC 3 – (2)** OR **Internship/Apprenticeship / Project/ Community Outreach (IAPC) – (2)**	Choose one from a pool of VAC courses **VAC – 3 (2)**	22
IV	1. **DSC 4 (A or B)** (DSC A- (History) **or** DSC B – (Economics) (4) 2. **DSC A4** (History)- (4) 3. **DSC B4** (Economics) - (4)		Choose one from a pool of GE language courses **GE – *Lang. 4 (4)**	**AEC 3/ AEC 4 (2)**	Choose one from **SEC 4 – (2)** OR **Internship/Apprenticeship / Project/ Community Outreach (IAPC) – (2)**	Choose one from a pool of VAC courses **VAC – 4 (2)**	22
Students on exit shall be awarded Undergraduate Diploma (in the field of Multidisciplinary study/Discipline) after securing requisite 88 credits in semester III & IV and vocational course of 4 credits as per Guideline							**Total = 88**
V	**1.DSC 5 (A or B)** (DSC A- (History) **or** DSC B – (Economics) (4) 1. **DSC A5** (History)(4) 2. **DSC B5** (Eco)- (4)	Choose one from a pool of courses, **DSE 1 (A/B) (4)** OR **MOOC (4)**	Choose one from a pool of courses **GE – 5 (4)** OR **MOOC (4)**		Choose one from **SEC 5 – (2)** OR **Internship/Apprenticeship / Project/ Community Outreach (IAPC) – (2)**		22
VI	1. **DSC 6 (A or B)** (DSC A (History) **or** DSC B (Eco) (4) 2. **DSC A6** (History)(4) 3. **DSC B6** (Eco)- (4)	Choose one from a pool of courses, **DSE 2 (A/B) (4)** OR **MOOC**	Choose one from a pool of courses **GE – 6 (4)** OR **MOOC**		Choose one from **SEC 6 – (2) OR** **Internship/Apprenticeship / Project/ Community Outreach (IAPC) – (2)**		22

Students on exit shall be awarded Bachelor of Arts (in the field of Multidisciplinary study/Discipline) after securing requisite 132 credits on completion of semester VI with a Major or Minor as per guidelines					**Total= 132**
VII	**DSC 13 - (4)** (Discipline A History or B Economics) (3T+1L)	**Choose 3 DSE** (3x4) courses OR **Choose 2 DSE – (2x4) and one GE (4)** course OR **Choose 1 DSE (4) and 2 GE** (2x4) courses (Total= 12)		Dissertation on Major/Minor **(6)** OR Courses/seminar (Hons) **(4+2)**	22
VIII	**DSC 14 - (4)** (Discipline A History or B Economics) (3T+1L)	**Choose 3 DSE** (3x4) courses OR **Choose 2 DSE – (2x4) and one GE (4)** course OR **Choose 1 DSE (4) and 2 GE** (2x4) courses (Total= 12)		Dissertation on Major/Minor **(6)** OR Courses/seminar (Hons) **(4+2)**	22
Students on exit shall be awarded Bachelor of Arts (in the field of Multidisciplinary study/Discipline) (Honours or Honours with Research) after securing requisite 176 credits on completion of semester VIII with Major and Minor as per guidelines					**Total = 176**

(*P.N. The <u>course codes</u> for different courses are given below)

> Discipline Specific Core *(*Code given as DC, after 3 letter subject code)*
> Discipline Specific *Elective (*Code given as DE, after 3 letter subject code)*
> Generic Elective *(*Code given as GE, after 3 letter subject code)*
> Skill Enhancement course *(*Code given as SC, after 3 letter subject code)*
> Value Addition Course *(*Code given as VC, after 3 letter subject code)*
> Ability Enhancement Course *(*Code given as AEC – 1, AEC – 2, AEC – 3 & AEC 4)*

GUIDELINES:

1. **Entry Level Eligibility –**
   The students must fulfil the eligibility criteria for admissions to a particular UG programme and admission to the bachelor's degree program of study is determined by the documentary evidence of academic records/other relevant documents submitted. For entry into UG programme of his/her choice, 3-year UG degree programme or 4-year UG degree programme, entrance test may be conducted by the concerned department/School, or it can be done on merit basis, as decided by the University time to time.

2. **Eligibility for UG Certificate, UG Diploma, 3-Year Degree and 4-Year Degree Programme**: An educational programme of the University leading to the award of Degree, Diploma or Certificate.

   a) **UG Certificate**: Those students after having earned 44 credits, if they choose to exit/withdraw after the first year, will get a UG certificate (as per the nomenclature given by NHEQF), if they also successfully complete vocational course of 4 credits during the summer vacation. However, such students can re-apply or re-enter within three years and complete the degree within a timespan of 7 years.

   b) **UG Diploma**: Those students after having earned 88 credits, if they choose to exit/withdraw after the second year, will get a UG Diploma (as per the nomenclature given by NHEQF), if they also successfully complete vocational course of 4 credits during the summer vacation. However, such students re-apply or re-enter within three years and complete the degree within a timespan of 7 years.

   c) **3-year UG Degree/(*3 year UG degree (Honours)**: Those students who successfully complete the curriculum in three years and earn 132 credits will be awarded 3 year Undergraduate degree of Bachelor of Arts or Bachelor of Science or Bachelor of Commerce in the UG degree programmes such as B.Sc. with core disciplines such as Botany and Zoology or Botany and Chemistry or B.A. with core disciplines such as Political Science and History or B.Com. with core disciplines Commerce and Economics (as per the nomenclature given by NHEQF – Table 1) with a Major subject to attainment of credits requirement as mentioned in the guidelines.

   However, the students pursuing UG degree programme in single core discipline such as in Biotechnology or Journalism & Mass Communication (Batch 2022-23), then after earning 132 credits, the students will be awarded with the degree of B.Sc. (Hons.) in Biotechnology or B.A. (Hons.) in Journalism & Mass Communication after completion of sixth semester with a major in concerned discipline, provided they earn minimum 80 credits in Biotechnology or Journalism & Mass Communication from 18 DSCs and 2 DSEs. (*The 3-year Honours degree will be awarded in degree programmes which were running 3 years Hons. Programme as per CBCS before the implementation of UG programmes as per NEP 2020 and will be applicable for Batch 2022-23 as approved by

the Board of Studies and Academic Council at SGRRU).

d) **4-year UG Degree (Honours)**: Those students who successfully complete UG degree programme of four years then after earning 176 credits will be awarded a 4-year Undergraduate Honours degree in the major discipline if he/she secures a minimum of credits in the major discipline for the 4-year UG degree to be awarded a single major or as mentioned in the guidelines. However, entrance test may be conducted for entry into the UG degree (Honours) programme, or it can be done on merit basis, as decided by the Board of studies of respective departments.

e) **4-year UG Degree (Honours with Research)**: Those students who have secured 75% or more in the three-year UG degree programme can select Research in the fourth year. Such students will be awarded Undergraduate degree (Honours with Research) with a Major or Minor provided the students secure 176 credits, including 12 credits from a research project/dissertation and minimum credits required for Major and Minor.

f) **UG Degree Programmes with Major Discipline/Minor Discipline:**
   Major Discipline:

i) A student who is pursuing 3-year UG programme in a **single discipline** may be awarded a UG degree with a single Major such as B.Sc. with a Major in Biotechnology will be granted to a student who has completed at least 76 credits in the subject out of 132 credits with 18 DSCs and 1 DSE. Similarly, a student who is pursuing 3-year UG programme in **two disciplines** may be awarded a UG degree with a single Major such as B.A. with a Major in History if he/she completes 56 credits in the subject out of 132 credits with 12 DSCs and 2 DSEs. Similarly, a student who is pursuing 3-year UG programme in **three disciplines** may be awarded a UG degree with a single Major such as B.Sc. with a Major in Botany or double major, as decided by Board of studies, if he/she completes 40 credits in the concerned subjects out of 132 credits with 8 DSCs and 2 DSEs. However, if number of credits are less then no Major may be given in that discipline.

ii) A student who is pursuing four-year UG programme (Hons/Hons with Research) in a single Core Discipline **from 3-year single core or two core disciplines UG programme** shall be awarded Honours/Honours with Research Degree with Major in that Discipline after completion of VIII semester, if he/she secures a minimum of credits from the major core discipline for the 4-year UG degree to be awarded a single major. For example, in a 4-year UG programme, if the total number of credits to be earned is 176, a student of Biotechnology with a minimum of 88 credits will be awarded the B.Sc. (Honours or Honours with Research) with Major in Biotechnology. He/she shall study 20 Discipline specific cores (DSCs) and 2 Discipline Specific Electives (DSEs) in eight semesters. Similarly, student of History will be awarded B.A. (Honours or Honours with Research) with Major in History if he/she attains 84 credits in History from 14 DSCs and 7 DSEs. The dissertation may de done in minor discipline (GE in case of Biotechnology or second core discipline in B.A.).

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iii) A student who is pursuing four-year UG programme (Hons/Hons with Research) in a single Core Discipline from **3-year programme of three core disciplines** (for example, B.Sc. CBZ/PCM/PMG/PMD/ZBG etc.) must select only one core course out of the 2 or 3 core courses studied in 3-year programme. He/She shall be awarded appropriate Honours/Honours with Research Degree with a Major in a Discipline after completion of VIII semester, if he/she secures minimum 80 credits out of total of 176 credits. He/she shall study 8 Discipline specific cores (DSCs) and minimum 1 Discipline Specific Elective (DSE) in the first six semesters and 2 DSCs (major core chosen by him/her), 6 DSEs and also write dissertation in that discipline in the VII and VIII semesters. For example, a student of B.Sc. (Honours with Research) shall be eligible for Major in Botany, if he/she earns minimum 80 credits from 10 DSCs of that core discipline and atleast 7 DSEs of Botany and writes dissertation of 12 credits on a topic related to Botany after completion of VIII semester.

Minor Discipline:

iv) A student mentioned in (i) above may be awarded Minor in a Discipline/Course, after completion of VI semester in single discipline UG programme such as B.Sc. Biotechnology if he/she earns minimum 24 credits from 6 GE courses of the 3-year programme then he/she will be given minor in that discipline for further study in PG programme. After completion of 4-year in a single core discipline, if he/she earns minimum 32 credits from eight GE courses of that Discipline. For example, if a student of B.Sc. (Honours) Biotechnology chooses eight GE courses of Botany out of total of 10 GE courses offered and also writes dissertation in Botany, he/she shall be awarded a Major in Biotechnology and Minor in Botany after successful completion of VIII semester. However, if number of credits is less than 32 then no minor discipline can be awarded then he/she shall be awarded Honours with Research with Major in that discipline.

Further, if a student opts for two Disciplines in 3-year UG programme such as B.A. (Political Science and History), or B.Com. (Commerce and Economics), Major and Minor shall be determined as per credits earned in the respective courses of study, but the minimum number of credits have to be earned as mentioned in (iv) above i.e. if he/she earns minimum 28 credits from 6 DSCs and one DSE in the core course to be awarded as a Minor after six semesters. For 4-year PG programme, he/she shall also write a dissertation in minor subject in the VIII semester. The concept of Minor is relevant only when there is a Major Discipline.

v) A student mentioned in (iii) above may be awarded Minor in a Discipline, if he/she earns minimum 36 credits from 8 DSCs and 1 DSE of that Discipline (up to VI semester) for a 3-year degree programme or for a 4-year Hons/Hons with research programme for further study in PG programme. This definition of Minor is independent of GEs for the subject to be treated as Minor. For example, student pursuing B.Sc. (3

Core Disciplines like Chemistry, Botany and Zoology) with Major in Botany (after securing 80 credits in Botany) may be awarded Minor in Chemistry if he/she earns 36 credits from 8 DSCs and 1 DSE of Chemistry (up to VI semester) on successful completion of VIII semester.

g) Each student must take "Environmental Studies and English Communication" courses I and II, which are compulsory AEC courses of 02 credits each, in their first and second years of study and shall be studied in flip mode as decided by the Notice/circular issued by the University.

h) A student must choose a Research Methodology course as a DSE in either the sixth or seventh semester or as decided by Board of studies if he/she wants to pursue a four-year degree, Honours with research.

i) In the fourth year, the dissertation or research will begin in the seventh semester and end in the eighth. At the conclusion of the seventh and eighth semesters, the criteria for assessments will be conducted in accordance with the specifications of BOS of relevant department.

j) A dissertation can be written in one of three disciplines: major, minor, or interdisciplinary (major plus minor combined) fulfilling the criteria of credit requirements as mentioned in (f) i, ii, iii & iv above.

k) **Exit options**: The students must acquire minimum 44 credits and 4 credits as summer internship to be eligible for UG certificate at the end of one year and minimum of 88 credits and 4 credits as summer internship to be eligible for UG Diploma at the end of second year.

l) Each bonafide student should compulsorily complete core courses of University and credit transferability is allowed for courses done from SWAYAM platforms as approved by the Academic Council. The students will follow the University Multiple Entry-Multiple Exit (ME-ME) guidelines to enter or exit at any level of 3-year UG programme subject to amendment(s) done from time to time.

(* Note: Flexibility will be given to students who qualify UG programme with a major and minor (s) to opt for any subject in PG programme as per amendments made by UGC from time to time.)

Quest for Excellence"

SHRI GURU RAM RAI UNIVERSITY

(Established By Govt. of Uttarakhand, vide Shri Guru Ram Rai University, Act no. 3 of 2017)

Enlightening lives through Education...