

Mapping of the courses to employability, entrepreneurship and skill development

Program: B.Ed. (SF)

SI No	Course Code	Course name	Emp	Ent	SD	Description
1	PE-1	Education, school and society	√		√	Elaborate the linkage between education and national development
2	PE-2	Childhood and Growing up	√		√	State the different forms and characteristics of individual differences and the ways of meeting the classroom issues arising out of the differences.
3	PE-3	Learning and Teaching	√		√	Elaborate the processes of preparation and continuing development of professional teacher in the context of a professional ethics of teaching profession.
4	PE-4	Contemporary Concerns in Education	√		√	Develop a set of professional values required to address the issues and concerns through curricular, and co-curricular practices.
5	PE-5	Knowledge and Curriculum	√		√	Elaborate the transaction, evaluation and renewal processes of curriculum.
6	PE-6	Educational Management	√		√	Actively participate in the preparation of school development plan.
7	PE-7(a)	Creating an Inclusive School	√		√	State the barriers of inclusion in the existing schools.

8	PE-7(b)	Gender, School and Society	√		√	Understands the ways to address gender issues in and out of school context.
9	PE- 8(a)	Action Research and Innovation	√	√	√	Evaluate an action research project in terms of its objectives, processes and implications.
10	PE- 8(b)	Guidance and Counselling	√		√	Use various tools and techniques of guidance in appropriate contexts
11	CPS- 1	Language across the Curriculum	√		√	Develop the appropriate skills of reading and writing among the learners and facilitate reading writing connection
12	CPS- 2	Learning Assessment	√		√	Analyze and interpret results of the assessment using rudimentary statistical methods.
13	CPS-3 (a&b)	Pedagogy of Language (Odia)	√		√	Plan appropriate pedagogic treatment of the prescribed textual contents (in Odia) of classes IX and X.
14	CPS-3	Pedagogy of Language (English)	√	√	√	Plan appropriate pedagogical treatment of the prescribed contents for effective classroom transaction
15	CPS- 3	Pedagogy of Social Studies	√	√	√	Prepare Unit Plans and Lesson Plans in History and Political science, develop diagnostic achievement test, administer them and analyse the results for providing feedback
16	CPS-3	Pedagogy of Physical Science			√	State the concepts in Physical Science included in the secondary school curriculum and make pedagogical analysis of those concepts

17	CPS- 3	Pedagogy of Mathematics	√		√	Conduct continuous and comprehensive assessment for enhancing the quality of Mathematics learning
18	CPS-3	Pedagogy of Bio-science	√	√	√	Plan units' lessons in Biological Science using traditional and constructivist approaches for effective classroom transactions
19	EPC-1	Critical Understanding of ICT	√		√	Appreciate the use of ICT in teaching and learning
20	EPC-2	Understanding the Self	√		√	Realize the commonness and uniqueness prevalent in Nature and human nature and feel equality as the reality and contribute to the furtherance of evolution at mental level.
21	EPC-3	Fine Art	√		√	Organize exhibitions of different Art forms
22	EPC- 4	Physical Education and Yoga	√		√	Practice Yoga for peaceful and harmonious living
23	OCSD-1	Fruit and Vegetable Preservation			√	To know the appropriate use of fruits and vegetables by avoiding wastage and spoilage.
24	School Internship				√	Validating the theoretical understanding of the student-teachers developed through various perspective and pedagogic courses

Total No of courses relevant to Employability/ Entrepreneurship/ Skill development = 24

Mapping of the courses to employability, entrepreneurship and skill development

Program: BSc Chemistry

Sl No	Course Code	Course name	Emp	Ent	SD	Description
1	CC-I	Inorganic Chemistry-I	√		√	Understand different models of atoms, chemical bond and geometry
2	CC-II	Physical Chemistry-I	√		√	To impart knowledge on states of matter – Solid, Liquid and Gases
3	CC-III	Organic Chemistry-I	√		√	To understand the basic concepts of organic chemistry
4	CC-IV	Physical Chemistry-II	√		√	Study of Chemical Thermodynamics and the laws, applications
5	CC-V	Inorganic Chemistry-II	√		√	To educate students about the general principles of metallurgy, Concepts of acids and bases on the basis of various theories.
6	CC-VI	Organic Chemistry-II	√		√	To educate students on chemistry of Halogenated Hydrocarbons, Phenols, Alcohols. Ethers and Epoxies, Carbonyl compounds and Active methylene compounds
7	CC-VII	Physical Chemistry-III	√		√	To provide basic understanding about Catalysis and Surface Chemistry

8	CC-VIII	Inorganic Chemistry-III	√		√	To impart advanced knowledge on Bioinorganic Chemistry & its applications to Bio system.
9	CC-IX	Organic Chemistry-III	√	√	√	To gain the natural products and Importance of Alkaloids and Terpenes
10	CC-X	Physical Chemistry-IV	√		√	To understand concepts and to apply principles of electrochemistry.
11	CC-XI	Organic Chemistry-IV	√		√	To understand concepts and to apply principles of UV, IR, NMR & Mass spectroscopy
12	CC-XII	Physical Chemistry-V	√		√	To impart understanding on advanced topics of Quantum Chemistry and molecular spectroscopy
13	CC-XIII	Inorganic Chemistry-IV	√		√	To apply theoretical principles of qualitative analysis and to understand the chemistry of organometallic compounds
14	CC-XIV	Organic Chemistry-V	√	√	√	To study about the synthesis and application of Pharmaceutical compounds oils & fats
15	DSE-I	Polymer Chemistry	√	√	√	To impart the knowledge about the preparation, structure, properties and applications of Polymers
16	DSE-II	Green Chemistry			√	To understand and apply 12 principles of green chemistry and methodology
17	DSE-III	Industrial Chemicals and Environment	√		√	Get an idea about types & manufacture of fertilizers and glimpses of concept of battery & cell.
18	DSE-IV	DISSERTATION	√	√	√	The research project forms part of the curriculum for students on any of the topic related to chemistry

19	GE-I	Inorganic & Organic Chemistry	√		√	Understand different models of atoms, chemical bond and geometry and basic concepts of organic chemistry
20	GE-II	Physical & Organic Chemistry	√		√	To analyse and apply principles of chemical energetics and equilibrium. To understand and apply different organic molecules
21	GE-III	Inorganic & Organic Chemistry	√		√	Understand different models of atoms, chemical bond and geometry and basic concepts of organic chemistry
22	GE-IV	Physical & Organic Chemistry	√		√	To analyse and apply principles of chemical energetics and equilibrium. To understand and apply different organic molecules
23	AECC-I	EVS & DM	√		√	To study and apply all measures in disaster management
24	AECC-II	MIL			√	To study and understand literature
25	SEC-I	English Communication	√		√	To understand the art of effective communication skills
26	SEC-II	Quantitative & Logical Thinking	√		√	To understand and apply logical thinking
27	E & V-I	Issues Relating to Women			√	Enable the students to value the contributions of women, from family to the larger society
28	E & V-II	Values & Good Citizens			√	Understanding Basic Values of Indian Constitution and patriotism
29	E & V-III	Issues of Drug, Tobacco & Alcohol Addiction			√	The students become aware of the grave danger of consuming alcohol, tobacco and drugs
30	E & V-IV	Ethical Value for Student Life			√	The students will learn to behave ethically in the campus
31	E & V-V	Vulnerable Sections of Society			√	Students would be able to appreciate values and ethics relating to vulnerable sections of the society

32	E & V-VI	Environmental and Techno Ethics			√	Develop an understanding of environmental ethics and work towards sustainable development
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Mapping of the courses to employability, entrepreneurship and skill development

Program: BA ANTHROPOLOGY

SL NO	Course Code	Couse Name	Emp	Ent	SD	Description
1	CC-I	Introducti on to biological Anthropol ogy	✓	✓	✓	Currently schools of Medicine relias on biological Anthropologist to learn gross anatomy and its composition and function. Again different human organic production units needs the help of biological Anthropologist to form the different body parts of different racial growth. The students on biological anthropology become more familiar with different structure and function of anatomy along with different body organs. Here they may involve and get appointment in this sectors.
2	CC-II	Introducti on to Socio-cultural Anthropol ogy	✓		✓	Social-cultural Anthropologist become adapt with the social situation with cultural norms so, they may employ as policy analysts, researchers, community workers, co-ordinators communication advices, Community workers, co-ordinators communiti on advices, project co-ordinators, training fascilitators, organisational development advisors, business for service designer, as there very much aquanted with biological or social fact of human society. Student gets well communication skill, exposer, to bio-social fact of the society develop the ability of saving social problem.
3	CC-III	Archaeolo gical Anthropol ogy	✓	✓	✓	Employment in Archaeological Survey of India. Department of Indian Archives and archaeological research and different museum as specialist/ Anthropologists

4	CC-IV	Fundamentals of Human Origin & Evolution	✓		✓	<p>Research on behavioural ecology and process of development, mutation, that relate to medical Anthropology and Public health can absorb the students. They can be a policy maker. The skill student will have potential to guide and support the medical anthropology for research. They also evaluate the social and public health policy. They may be counsellor of reproductive health.</p>
5	CC-V	Tribes and Peasants in India	✓	✓	✓	<p>Anthropological knowledge on Tribal Culture and Sustainability facilitates to obtain the job as Policy maker, social worker, Academician, Social activist. Well acquainted with indigenous culture and its survival skill with indigenous knowledge.</p>
6	CC-VI	Human Ecology	✓		✓	<p>They may engage as Ecology researcher, policy maker, environmental activist, social worker. Knowledge on ecofriendly environmental attitude, realise the importance of the every biotic and abiotic things of the environment.</p>
7	CC-VII	Biodiversity in Human Populations	✓		✓	<p>Research on behavioural ecology and process of development, mutation, that relate to medical Anthropology and Public health can absorb the students. They can be a policy maker. The skill of student will have potentiality to guide and support the medical anthropology for research and employment. They also evaluate the social and public health policy. They may be counsellor of reproductive health.</p>
8	CC-VIII	Theories of Culture and Society	✓		✓	<p>social-cultural Anthropologist become adapt with the social situation with cultural norms teaching and Field work so, they may employ as policy analysts, researchers, community workers, co-ordinators communication advices, project co-ordinators, training facilitators, organisational development advisors, business for service designer, as they are very much acquainted with biological or social fact of human society. Student gets well communication skill, exposed to biosocial fact of the society develop the ability of something social problem.</p>
9	CC-IX	Human Growth and Development	✓		✓	<p>It works as a Human Engineer in different body part (organ and skeleton), nutrition, reproductive health. Selling out different body parts and organ, Anatomical replacement, Translator. Different body part with structure and function. Problem during childhood and old age. It provides the Knowledge on anatomical structure and its function of different body parts. So students will get the job in medicals as Counsellor in sector of Human Engineering.</p>

10	CC-X	Research Methods	✓		✓	It helps students to develop their research skills, enhance their critical thinking ability to personal research.
11	CC-XI	Prehistoric Archaeology of India	✓		✓	Employment in Archaeological Survey of India. Department of Indian Archives and archaeological research.
12	CC-XII	Anthropology in Practice	✓	✓	✓	It helps students to implement their anthropological knowledge in health sector, resolve different societal issues, develop business skill and commonly development programmes.
13	CC-XIII	Forensic Anthropology	✓		✓	Forensic Anthropologists work for human rights organisations and federal governmental agencies. Forensic anthropologist serve additional roles as medicological death investigators, identification specialist. It skilled enough to identify the individual and his/her age, sex, race and other factors by studying the bones and other archaeological remains as well. It play a major role in mass disasters , crime involving missing bodies, archeologically related cases.
14	CC-XIV	Fieldwork and Dissertation	✓	✓	✓	These skills enhance their ability to cope with challenges, foster positive relationships, and lead fulfilling lives, ultimately contributing to their overall skill development and personal development.
15	DSE-I	Introduction to Biological Anthropology	✓		✓	Currently schools of Medicine relies on biological Anthropologist to learn gross anatomy and its composition and function. Again different human organic production units needs the help of biological Anthropologist to form the different body parts of different racial growth. The students of biological anthropology become more familiar with different structure and function of anatomy along with different body organs. They may appoint as medical Counsellor.
16	DSE-II	Introduction to Socio-cultural Anthropology	✓		✓	social-cultural Anthropologist become adapt with the social situation with cultural norms so, they may employ as policy analysts, researchers, community workers, co-ordinators communication advices, project co-ordinators, training fascilitators, organisational development advisors,business for service designer, as there very much aquanted with biological or social fact of human society.Student gets well communication skill, exposer to biosocial fact of the society develop the ability of something social problem.

17	DSE-IV	Museum and Museology	✓	✓	✓	Students makes their career in many institutes, museums, art galleries as faculty members, deputy curator, consultant, museum guide, interiors arts decorator, graphic designer. It is useful to have a basic understanding of chemistry, restoration techniques, museum studies, and even physics and public relations. Curators must have basic skill in aesthetic design, organizational behaviour, business, fund raising and publicity.
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Mapping of the courses to employability, entrepreneurship and skill development

Program: MA Economics

Sl No	Course Code	Course name	Ent	Emp	SD	Description
1	HC-101	Micro Economics-I	√	√	√	To provide understanding of the basic economic processes in terms of theories, models and applications and understand the Importance of these concept in day to day life in unit level analysis
2	HC-102	Macro Economics-I	√	√	√	To provide understanding of the basic economic processes in terms of theories, models and applications and understand the Importance of these concept in day to day life in aggregate level analysis
3	HC-103	Statistical Methods in Economics	√	√	√	To provide basic knowledge of statistics for measurement of economic behaviour
4	HC-104	Financial Institutions & Markets	√	√	√	To provide knowledge about all financial activities and institutions
5	AC-101	Computer Application Course	√	√	√	To develop critical thinking for application of computer in Economics analysis and research.
6	HC-201	Micro Economics-II	√	√	√	To have knowledge about higher economics theories on unit basis.

7	HC-202	Macro Economics-II	√	√	√	To provide knowledge about higher macro economic model on aggregate basis.
8	HC-203	Mathematical Methods in Economics	√	√	√	To inform students about application of Mathematics in economics to analyse theories up to nth unit
9	HC-204	Agricultural Economics		√	√	To analyse issues relating to the contemporary issues relating to agriculture sector
10	CE-201	Basic econometrics Or Banking Theory and Practices	√	√	√	To expose the students to the basics of statistics and econometrics. It has the objectives to give a fast hand to the students about using statistical and econometrics tools and techniques which have significant use in economic research and policy analysis. Or To impart knowledge on the theory and practice of Banking and to understand the process of banking activities.
11	OE-201	Odisha economic problems and Policies	√	√	√	To provide basic knowledge on basic characteristics of Odisha economy, demographic features of Odisha population and significance of agriculture and industry in economic growth of Odisha.
12	HC-301	Research Methodology			√	To identify and discuss the complex issues inherent in selecting a research problem , selecting an appropriate research design and implementing a research project.
13	HC-302	International Economics	√	√	√	To provide basic knowledge about the theories of International trade and trade policy. It provides various dimensions of the theories and policies of international issues.

14	HC-303	Public Finance Theory & Practice		√	√	To make understand the students about the various interventions and provisions of public good and services in welfare state.
15	CE- 301	Mathematical Economics Or Indian Economic problem & Policies	√	√	√	To improve the mathematical skill among the students that are necessary to study economics. It also aims at learning the basic concepts of micro and macro. Or To provide basic knowledge on Indian economic problems relating to agriculture and industry, demographic features of Indian population economic reforms and role of external sector.
16	CE- 302	Advanced Econometrics Or Economics of Gender	√	√	√	To expose the students to the basics of statistics and econometrics. It has the objectives to give a fast hand to the students about using statistical and econometric tools and techniques which have significant in economic research. Or To develop economics with feminist lens. It surveys the various gender dimensions of economic development with the aims that the students will gain a fundamental theoretical understanding of development economics as well as feminist economics.
17	OE-301	Field Internship	√	√	√	To give practical knowledge about the field work.

18	HC-401	Development Economics		√	√	To make concern the readers about the causes of under-development and the policies that may accelerate the rate of growth of per-capita income. It also discusses the various growth theories and models which are to give an insight to the students about how growth process has actually taken up in various types of economies in the world.
19	HC-402	Economics of Environment	√	√	√	To impart knowledge relating to key contemporary concepts in environmental economics and equip the students with the approaches in economies that are generally applied to analyse environmental problems and policies.
20	HC-403	Dissertation			√	To learn analytical aspect of the problem they have undertaken as the topic of their field activity.
21	CE- 401	Economics of Social sector		√	√	To impart overall knowledge about the importance of social sectors particularly health and education sector in our economy. The students will be able to acquire comprehensive knowledge about the present and historical prospective of these sectors.
22	AE- 402	Theory "Women and Society"		√	√	To give knowledge about the role of women in economic development as well as their contribution towards society.

Mapping of the courses to employability, entrepreneurship and skill development

Program: MA ENGLISH

Sl No	Course Code	Course name	ENT	EMP	SD	Description
1	HC-101	British Poetry		√	√	To introduce the students to different characteristics of British poetry, British culture and historic periods through poetry.
2	HC-102	British Drama		√	√	Introduction to genre, rhetoric, theatrical sense of drama and the composure of scripts and analysis of dramatic literature.
3	HC-103	British Fiction		√	√	Focus on improvement of comprehension and vocabulary skills through understanding English Language via analysis of British classics.
4	HC-104	British Non-Fiction		√	√	To understand and analyse opinions and comprehend thoughts and ideas in a logical manner.
5	AC-101	Computer Application Course	√	√	√	To develop critical thinking for application of computer in research.
6	HC-201	Literary Terms and Criticism	√	√	√	To analyse, interpret and evaluate a critical work through understanding critical approaches of critics.
7	HC-202	Literature and Gender	√	√	√	To aim at gender sensitization through discussion/argumentation of different aspects of gender.
8	HC-203	Migration Literature	√	√	√	To trace the history, location, crisis of migration and diaspora.
9	HC-204	Life Writing	√	√		To interpret an individuals' personal growth, history, family through study of their life's stories.
10	CE-201 (A)	American Literature			√	Introduction to geography, ethnicity and history of America.
11	CE-201 (B)	Indian writing in English	√	√	√	Discussion of Bhakti literature, travel narratives and elements of Indian Literature.

12	CE-201 (C)	Postcolonial Literature		√	√	To explore colonialism, post colonialism, imperialism, issues and consequences of decolonization and its effect on society.
13	OE-201	Science and Detective Fiction	√	√	√	To develop critical thinking skills in students through problem solving and investigative approach through study of science fiction.
14	HC- 301	Introduction to Linguistics and ELT	√	√	√	Acquiring skills of different aspects of linguistics and basic communication skills.
15	HC-302	Odia Novels in English Translation	√	√	√	To study the Odia novels in translation and understanding the regional literature.
16	HC-303	Literature for Children		√	√	Appreciating a child's thinking and development through study and analysis of children literature.
17	CE – 301 (A)	American Literature	√	√		Identification and analysis of key areas of American writers through study of history, culture and aesthetics.
18	CE – 301 (B)	Indian Writing in English	√	√		To trace the history of early Indian Writing and analyse the writing style of pillars of Indian Literature
19	CE – 301 (C)	Post- Colonial Literature	√	√		To deconstruct the post-colonialism and its aspects such as education, politics, geography etc.
20	CE – 302 (A)	American Literature	√	√		Identification and analysis of key areas of American writers through study of history, culture and aesthetics.
21	CE – 301 (B)	Indian Writing in English	√	√		To trace the history of early Indian Writing and analyse the writing style of pillars of Indian Literature
22	CE – 301 (C)	Post- Colonial Literature	√	√	√	To deconstruct the post-colonialism and its aspects such as education, politics, geography etc
23	FI - 301	Field Internship	√	√	√	To make students aware about job prospects and future in corporate world through internships.

24	HC-401	Writing at Work	√	√	√	To realise the mechanics of good and professional writing such as paragraphs, resumes, reviews, scripts.
25	HC-402	Dalit Literature		√	√	To understand the history and development of Dalit literature in India through analysing the different dimensions and aspects.
26	HC-403	Dissertation	√	√	√	Understanding research and its types through data collection, observation and analysing the writing styles.
27	CE – 401 (A)	American Literature		√	√	Identification and analysis of key areas of American writers through study of history, culture and aesthetics.
28	CE – 401 (B)	Indian Writing in English		√	√	To trace the history of early Indian Writing and analyse the writing style of pillars of Indian Literature
29	CE – 401 (C)	Post- Colonial Literature	√	√	√	To deconstruct the post-colonialism and its aspects such as education, politics, geography etc
30	AC- 401	Women and Society	√	√	√	To understand issues and concerns regarding women from past to present and working towards their empowerment.

Mapping of the courses to employability, entrepreneurship and skill development

Program: BA/B.Sc Home Science

Colour Index For Mapping:

Employability, Entrepreneurship, Skill Development

Sl No	Course Code	Course name	Emp	Ent	SD	Description
1	CC-I	Human Development - 1			Y	To Understand the importance of human development & the principles involved in it.
2	CC-II	Food & Nutrition	Y	Y	Y	To Understand basic concepts of food nutrition and their related terms.
3	CC-III	Extension Education	Y		Y	To enable to understand the meaning, principles, philosophy of home science extension education.
4	CC-IV	Family Resource Management		Y	Y	To achieve goals in life through judicious resource management.
5	CC-V	Textiles			Y	To know the manufacturing process of different types of textiles fibres, their structure, properties, and uses.
6	CC-VI	Dynamics of communication			Y	To understand the different spheres, models and process of communication.
7	CC-VII	Personal finance & Consumer Studies			Y	To gain knowledge about the need of consumer education
8	CC-VIII	Human Development - 2			Y	To know the different developmental task during adolescence and adulthood.
9	CC-IX	Nutrition – A life cycle approach	Y	Y	Y	To gain knowledge about the significance of nutrition in different stages of life cycle and different special conditions
10	CC-X	Fashion Design	Y	Y	Y	To support and collaborate with fashion, textiles and design industry to achieve a sustainable progress.
11	CC-XI	Therapeutic Nutrition	Y	Y	Y	To know the principles and nutritional needs during different disease conditions

12	CC-XII	Physiology & Promotive Health			Y	To understand the structure and functions of various organs of the body.
13	CC-XIII	Research Methodology in Home Science	Y		Y	To understand the meaning, process of research in social sciences.
14	CC-XIV	Socio Economic Environment			Y	To know the relationship between society, economy and environment.
15	DSE-I	Indian Textiles Heritage	Y	Y	Y	To gain knowledge about different traditional textile and crafts of India.
16	DSE-II	Communication Systems and Mass Media			Y	To achieve the target of the organisation by motivating and influencing the audience.
17	DSE-III	Marriage and family relationships			Y	To understand the concept of marriage its importance in family life and marital life prevalent in the society
18	DSE-IV	Public Nutrition / Project	Y	Y	Y	To acquire knowledge about public health and role of nutrition.
19	GE-I	Human Nutrition	Y	Y	Y	To gain knowledge about different nutrients their classification, functions, sources, requirement, and deficiency diseases
20	GE-II	Human Development & Family Studies			Y	To know the importance of child study and pre natal growth and development
21	GE-III	Textiles			Y	To acquire knowledge about yarn formation and fabric construction process.
22	GE-IV	Family Resource Management			Y	To utilise the available resources effectively to achieve family goals.
23	AECC-I	EVS & DM			Y	To study and apply all measures in disaster management
24	AECC-II	MIL			Y	To study and understand literature
25	SEC-I	English Communication	Y		Y	To understand the art of effective communication skills

26	SEC-II	Quantitative & Logical Thinking	Y		Y	To understand and apply logical thinking
27	E & V-I	Issues Relating to Women				Enable the students to value the contributions of women, from family to the larger society
28	E & V-II	Values & Good Citizens			Y	Understanding Basic Values of Indian Constitution and patriotism
29	E & V-III	Issues of Drug, Tobacco & Alcohol Addiction				The students become aware of the grave danger of consuming alcohol, tobacco and drugs
30	E & V-IV	Ethical Value for Student Life			Y	The students will learn to behave ethically in the campus
31	E & V-V	Vulnerable Sections of Society			Y	Students would be able to appreciate values and ethics relating to vulnerable sections of the society
32	E & V-VI	Environmental and Techno Ethics			Y	Develop an understanding of environmental ethics and work towards sustainable development

Total No of courses relevant to Employability/ Entrepreneurship/ Skill development = 26

Mapping of the courses to employability, entrepreneurship and skill development

Program: BSc Mathematics

Sl No	Course Code	Course name	Emp	Ent	SD	Description
1	CC-I	Calculus	√	√	√	used in plotting the various curves and find its area volume, surface area, etc.
2	CC-II	Algebra-I	√	√	√	studies different types of relations and functions with mathematical modelling
3	CC-III	Real Analysis (Analysis-I)	√		√	to analyse data sets for trends or patterns; to solve problems

						related to optimization; or even to develop algorithms for machine learning tasks.
4	CC-IV	Ordinary Differential Equations (ODE)	√	√	√	to calculate the movement or flow of electricity, motion of an object to and fro like a pendulum, to explain thermodynamics concepts
5	CC-V	Theory of real functions	√		√	finding profit, populations, and distance travelled
6	CC-VI	Group theory (Algebra-II)	√	√	√	to study different types of relations and functions with mathematical modelling
7	CC-VII	Partial Differential Equations and systems of ODEs	√	√	√	used in image processing to smooth out noisy images or to extract features from images
8	CC-VIII	Numerical Methods	√	√	√	investigates and provides accurate solutions to real-life problems from the field of science, engineering, biology, astrophysics and finance.
9	CC-IX	Riemann Integration and series of functions	√		√	to calculate quantities such as displacement, velocity, acceleration, work, and energy
10	CC-X	Ring theory and Linear algebra	√	√	√	used in lots of communication media from encoding data to CD to telecommunications to transmissions to satellites and probes
11	CC-XI	Multivariate Calculus	√	√	√	to determine the 2D and 3D motion of fluid particles and streams in mechanical engineering
12	CC-XII	Programming in C ⁺⁺	√	√	√	Use in banking, railway, insurance companies for data compiling.

13	CC-XIII	Metric spaces and Complex analysis	√	√	√	applications in string theory which examines conformal invariants in quantum field theory
14	CC-XIV	Linear Programming	√	√	√	Use in production scheduling, inventory policies, investment portfolio, allocation of advertising budget, construction of warehouses
15	DSE-I	Discrete Mathematics	√	√	√	Applications in algorithms, probabilities, logic, graph theory, set theory,
16	DSE-II	Number Theory	√	√	√	use in security, memory management, authentication, coding theory
17	DSE-III	Differential Geometry	√	√	√	helps in the study of structural geology, differential geometry is used to analyze and describe geologic structures.
18	DSE-IV	Project Work	√	√	√	a graphical application on an operating system or device
19	GE-I	Calculus and ODEs	√	√	√	to plot the various curves and find its area volume, surface area, etc.
20	GE-II	Linear Algebra and Advanced Algebra	√	√	√	Optimization is an important application of linear algebra. It is used in coding theory.
21	GE-III	Linear Programming	√	√	√	Use in production scheduling, inventory policies, investment portfolio, allocation of advertising budget, construction of warehouses
22	GE-IV	Numerical Methods	√	√	√	investigates and provides accurate solutions to real-life problems from the field of science, engineering, biology, astrophysics and finance.

23	AECC-I	EVS & DM	√		√	to study and apply all measures in disaster management
24	AECC-II	MIL	√		√	to study and understand literature
25	SEC-I	English Communication	√		√	to understand the art of effective communication skills
26	SEC-II	Quantitative & Logical Thinking	√	√	√	to understand and apply logical thinking
27	E & V-I	Issues Relating to Women				enables the students to value the contributions of women, from family to the larger society
28	E & V-II	Values & Good Citizens				Understanding Basic Values of Indian Constitution and patriotism
29	E & V-III	Issues of Drug, Tobacco & Alcohol Addiction				The students become aware of the grave danger of consuming alcohol, tobacco and drugs
30	E & V-IV	Ethical Value for Student Life				The students will learn to behave ethically in the campus
31	E & V-V	Vulnerable Sections of Society				Students would be able to appreciate values and ethics relating to vulnerable sections of the society
32	E & V-VI	Environmental and Techno Ethics				Develop an understanding of environmental ethics and work towards sustainable development

Total No of courses relevant to Employability/ Entrepreneurship/ Skill development = 26

Mapping of the courses to employability, entrepreneurship and skill development

Program: MSc Mathematics

Sl No	Course Code	Course name	Ent	Emp	SD	Description
1	HC-101	Abstract algebra		√	√	used in error-correcting code, data compression and polynomial equations of higher degrees
2	HC-102	Real Analysis		√	√	to analyse data sets for trends or patterns; to solve problems related to optimization; or even to develop algorithms for machine learning tasks.
3	HC-103	Topology		√	√	to study various biological systems including molecules and nano structure
4	HC-104	Advanced Programming using C++	√	√	√	Use in banking, railway, insurance companies for data compiling.
5	AC-101	Computer Application course by E-learning centre	√	√	√	an interactive application that allows students to input data and get expected results on their devices
6	HC-201	Complex Analysis		√	√	applications in string theory which examines conformal invariants in quantum field theory
7	HC-202	Differential equation		√	√	to calculate the movement or flow of electricity, motion of an object to and fro like a pendulum, to explain thermodynamics concepts
8	HC-203	Linear algebra	√	√	√	Optimization is an important application of linear algebra. It is used in coding theory.
9	HC-204	Advanced programming with MATLAB	√	√	√	image registration, object detection and classification, tracking, and motion estimation

10	CE-201	Number theory and cryptography	√	√	√	use in security, memory management, authentication, coding theory
11	CE-202	Differential geometry		√	√	helps in the study of structural geology, differential geometry is used to analyze and describe geologic structures.
12	OE-201	Numerical Analysis	√	√	√	applications in celestial mechanics, numerical linear algebra in data analysis, and stochastic differential equations and Markov chains for simulating living cells in medicine and biology.

Mapping of the courses to employability, entrepreneurship and skill development

Program: B.A. PHILOSOPHY

Sl No	Course Code	Course name	Emp	Ent	SD	Description
1	CC-I	General Philosophy	√		√	, Understand different branches and modes of philosophy.
2	CC-II	Logic and Scientific Method	√		√	To impart knowledge about different scientific and logical methods.
3	CC-III	Systems of Indian Philosophy-I	√		√	To profound spiritual and ethical guidance for individuals seeking meaning purpose and moral values in life.

4	CC-IV	Symbolic Logic	√		√	To understand in developing and applying precise, logical thinking to everyday problem-solving, decision-making and arguments.
5	CC-V	Ethics	√		√	. To provides a framework for making moral and ethical decisions and helping students determine what is right or wrong in various situations.
6	CC-VI	History of Greek Philosophy	√		√	To offers insights into the intellectual and cultural foundations of western Civilization, providing a deeper understanding of the origins of Greek ideas and thought.
7	CC-VII	Systems of Indian Philosophy-II	√		√	To profound spiritual and ethical guidance for individuals seeking meaning purpose and moral values in life.
8	CC-VIII	Contemporary Indian Philosophy	√		√	To profound spiritual and ethical guidance for individuals seeking meaning purpose and moral values in life.
9	CC-IX	History of European Philosophy	√	√	√	It forms the intellectual foundation for much of contemporary western philosophy and critical thinking, shaping the way we approach knowledge and existence
10	CC-X	Philosophy of Language	√		√	To help ensure clear and precise communication by examining the meaning and usages of words and concepts, reducing the risk of misunderstanding.
11	CC-XI	Western Classics: Meditations of Rene Descartes	√		√	To understanding Western Classics of philosophy is fundamental to understanding the intellectual and cultural heritage of the Western World.
12	CC-XII	Indian Text-Isa Upanishads	√		√	To understanding Indian Classics of philosophy is fundamental to

						understanding the intellectual and cultural heritage of the Indian World
13	CC-XIII	Social & Political Philosophy	√		√	To provide a moral and ethical framework for understanding and evaluating political systems and Society.
14	CC-XIV	Applied Ethics	√	√	√	To provide a structured framework for making moral decisions in real-world situations.
15	DSE-I	Philosophy of Bhagavad Gita	√	√	√	To provide profound spiritual and philosophical guidance for individuals seeking meaning, purpose and moral values in life.
16	DSE-II	Philosophy of Religion			√	To promote a deeper understanding of diverse cultures and their belief systems, fostering tolerance and respect for different traditions and practices.
17	DSE-III	Gandhian Study	√		√	To understand deeply about M.K. Gandhi and his philosophical thought.
18	DSE-IV	DISSERTATION	√	√	√	The research project forms part of the curriculum for students on any of the topics related to Philosophy.
19	GE-I	Symbolic Logic	√		√	To understand in developing and applying precise, logical thinking to everyday problem-solving, decision-making and arguments.
20	GE-II	Indian Philosophy	√		√	To provide profound spiritual and ethical guidance for individuals seeking meaning, purpose and moral values in life.
21	GE-III	History of Modern European Philosophy	√		√	It forms the intellectual foundation for much of contemporary western philosophy and critical thinking, shaping the way we approach knowledge and existence.

22	GE-IV	Ethics: Theory And Practices	√		√	It forms the intellectual foundation for much of contemporary western philosophy and critical thinking, shaping the way we approach knowledge and existence.
23	AECC-I	EVS & DM			√	To study and apply all measures in disaster management
24	AECC-II	MIL			√	To study and understand literature
25	SEC-I	English Communication	√		√	To understand the art of effective communication skills
26	SEC-II	Quantitative & Logical Thinking	√		√	To understand and apply logical thinking
27	E & V-I	Issues Relating to Women				Enable the students to value the contributions of women, from family to the larger society
28	E & V-II	Values & Good Citizens				Understanding Basic Values of Indian Constitution and patriotism
29	E & V-III	Issues of Drug, Tobacco & Alcohol Addiction				The students become aware of the grave danger of consuming alcohol, tobacco and drugs
30	E & V-IV	Ethical Value for Student Life				The students will learn to behave ethically in the campus
31	E & V-V	Vulnerable Sections of Society				Students would be able to appreciate values and ethics relating to vulnerable sections of the society
32	E & V-VI	Environmental and Techno Ethics				Develop an understanding of environmental ethics and work towards sustainable development

Total No of courses relevant to Employability/ Entrepreneurship/ Skill development = 26

Mapping of the courses to employability, entrepreneurship and skill development

Program: MA Psychology

Sl No	Course Code	Course name	Ent	Emp	SD	Description
1	HC-101	Advanced General Psychology			√	To provide understanding of the basic psychological processes in terms of current theories, models and applications and understand the Importance of these psychological processes in everyday life.
2	HC-102	Physiological Psychology			√	To comprehend the complex functions of the brain, spinal cord, neurotransmitters, hormones and other physiological processes of the human body and thereby able to adequately explain human behaviour.
3	HC-103	Basic Developmental Process			√	To provide broad spectrum of the processes of growth and developments in human beings as it is an inevitable part of understanding human behaviour.
4	HC-104	Practical	√	√	√	To understand how psychologists study human behaviour and how this knowledge can be used to explain, predict, and influence human behaviour.
5	AC-101	Computer Application Course	√	√	√	To develop critical thinking for application of computer in Psychological research.
6	HC-201	Research Methodology	√	√	√	To equip students with formal knowledge of research and encourage their critical thinking to enable them think of meaningful research projects, translate them into logical steps, and carry out research in a professional manner.
7	HC-202	Cognitive Psychology	√	√	√	To provide the students with the knowledge of basic cognitive processes that give rise to varying forms of human behaviour.
8	HC-203	Applied Social	√	√	√	To acquaint the students about the application of social psychology in

		Psychology				various fields and enable them to apply this knowledge to deal with the problems of their own life as well as the society of which they are a part.
9	HC-204	Practical	√	√	√	To help students to understand how psychologists study human behaviour and how this knowledge can be used to explain, predict, and influence human behaviour.
10	CE-201	Applied Psychology			√	To impart conceptual and theoretical knowledge to students in the fundamental areas of psychology. To familiarize the students with applications of psychological principles in different applied areas of Psychology.
11	CE-202	Psychopathology	√	√	√	The paper provides the student with a thorough understanding of the causes, features and therapeutic intervention on developmental psychopathology.
12	OE-201	Psychology of Individual and Social Issues	√	√	√	To impart conceptual and theoretical knowledge to students in the fundamental areas of individual difference. To familiarize the students with applications of social issues in different applied areas of Psychology.
13	HC-301	Statistics		√	√	To create among students an in-depth understanding of quantitative data including their analysis and interpretations in psychological research and further, to help students learn the usefulness and application of different statistical methods.

14	HC-302	Health Psychology		√	√	As a relatively new branch of Psychology, it aims at providing a new perspective of health highlighting on promoting positive health behaviours among human beings.
15	HC-303	Practical			√	To help students to understand how psychologists study human behaviour and how this knowledge can be used to explain, predict, and influence human behaviour.
16	CE-301	School Counselling	√	√	√	To introduce the students to an introductory knowledge about the theory, techniques and content of School Counselling.
17	CE-301	Guidance & Counselling	√	√	√	To introduce the students to an introductory knowledge about the theory, techniques and content of Guidance and Counselling
18	CE-302	Theoretical Systems in Psychology			√	To understand the contemporary call for indigenization, difference between western and indigenous psychology and diversity in psychology and global initiatives after globalization.
19	CE-302	Applied Social Psychology II		√	√	To impart knowledge of social psychology and their application in practical field particularly in Indian context.

20	FI- 201	Field Internship			√	The internship programme is to expose the students to the work environment to have practical idea about the nature of the work that they are likely to take up in future.
21	HC- 401	Social Psychology		√	√	To make students understand the psychosocial fabric of the society, social interactions, group dynamics, building relationships, belief system, prejudice and attitudes.
22	EC- 402	Practical			√	To help students to understand how psychologists study human behaviour and how this knowledge can be used to explain, predict, and influence human behaviour
23	HC-403	Dissertation			√	Students are to be exposed to the field of research, select a research topic, plan out the design to conduct research, selection of sample and tools, statistical methods to analyse the data and writing the dissertation on the basis of their the findings
24	CE- 401	Positive Psychology			√	To expose students to the magnificent role played by our positive thinking, attitude, social support, helping behaviour, optimism and hope leading to a happy and meaningful life
25	CE-401	Counselling Psychology	√	√	√	To expose the students to the basic knowledge and skills in Counselling as it is much in demand in the present day society.

26	AC-401	Women & Society			√	This course will highlight the social construction of gender in Indian society and the role of social institutions in the socialization process.
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Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Program: MA Psychology

Sl No	Course Code	Course name	Cross cutting issues addressed				Description
			Professional Ethics	Gender	Human Values	Environment and Sustainability	
1	HC-101	Advanced General Psychology		√	√	√	To provide understanding of the basic psychological processes in terms of current theories, models and applications and understand the Importance of these psychological processes in everyday life.
2	HC-102	Physiological Psychology				√	To comprehend the complex functions of the brain, spinal cord, neurotransmitters, hormones and other physiological processes of the human body and thereby able to adequately explain human behaviour.
3	HC-103	Basic Developmental Process			√	√	To provide broad spectrum of the processes of growth and developments in human beings as it is an inevitable part of understanding human behaviour.
4	HC-104	Practical	√	√	√	√	To understand how psychologists study human behaviour and how this knowledge can be used to explain, predict, and influence human behaviour.

5	AC-101	Computer Application Course	√			√	To develop critical thinking for application of computer in Psychological research.
6	HC-201	Research Methodology	√	√	√	√	To equip students with formal knowledge of research and encourage their critical thinking to enable them think of meaningful research projects, translate them into logical steps, and carry out research in a professional manner.
7	HC-202	Cognitive Psychology	√		√	√	To provide the students with the knowledge of basic cognitive processes that give rise to varying forms of human behaviour.
8	HC-203	Applied Social Psychology	√		√	√	To acquaint the students about the application of social psychology in various fields and enable them to apply this knowledge to deal with the problems of their own life as well as the society of which they are a part.
9	HC-204	Practical	√	√	√	√	To help students to understand how psychologists study human behaviour and how this knowledge can be used to explain, predict, and influence human behaviour.
10	CE-201	Applied Psychology	√		√	√	To impart conceptual and theoretical knowledge to students in the fundamental areas of psychology. To familiarize the students with applications of psychological principles in different applied areas of Psychology.
11	CE-202	Psychopathology	√		√	√	The paper provides the student with a thorough understanding of the causes, features and therapeutic intervention on developmental psychopathology.
12	OE-201	Psychology of Individual and Social Issues	√	√	√	√	To impart conceptual and theoretical knowledge to students in the fundamental areas of individual difference. To familiarize the students with applications of social

							issues in different applied areas of Psychology.
13	HC-301	Statistics	√				To create among students an in-depth understanding of quantitative data including their analysis and interpretations in psychological research and further, to help students learn the usefulness and application of different statistical methods.
14	HC-302	Health Psychology	√	√	√		As a relatively new branch of Psychology, it aims at providing a new perspective of health highlighting on promoting positive health behaviours among human beings.
15	HC-303	Practical	√				To help students to understand how psychologists study human behaviour and how this knowledge can be used to explain, predict, and influence human behaviour.
16	CE-301	School Counselling	√	√	√	√	To introduce the students to an introductory knowledge about the theory, techniques and content of School Counselling.
17	CE-301	Guidance & Counselling	√	√	√	√	To introduce the students to an introductory knowledge about the theory, techniques and content of Guidance and Counselling
18	CE-302	Theoretical Systems in Psychology			√		To understand the contemporary call for indigenization, difference between western and indigenous psychology and diversity in psychology and global initiatives after globalization.
19	CE-302	Applied Social Psychology II	√	√	√		To impart knowledge of social psychology and their application in practical field particularly in Indian context.

20	FI- 201	Field Internship	√		√	√	The internship programme is to expose the students to the work environment to have practical idea about the nature of the work that they are likely to take up in future.
21	HC-401	Social Psychology		√	√		To make students understand the psychosocial fabric of the society, social interactions, group dynamics, building relationships, belief system, prejudice and attitudes.
22	EC- 402	Practical	√				To help students to understand how psychologists study human behaviour and how this knowledge can be used to explain, predict, and influence human behaviour
23	HC-403	Dissertation	√		√	√	Students are to be exposed to the field of research, select a research topic, plan out the design to conduct research, selection of sample and tools, statistical methods to analyse the data and writing the dissertation on the basis of their the findings
24	CE- 401	Positive Psychology	√		√		To expose students to the magnificent role played by our positive thinking, attitude, social support, helping behaviour, optimism and hope leading to a happy and meaningful life
25	CE-401	Counselling Psychology	√		√	√	To expose the students to the basic knowledge and skills in Counselling as it is much in demand in the present day society.
26	AC-401	Women & Society	√	√	√	√	This course will highlight the social construction of gender in Indian society and the role of social institutions in the socialization process.

Mapping of the courses to employability, entrepreneurship and skill development

Program: BA Psychology

Sl No	Course Code	Course name	Emp	Ent	SD	Description
1	CC-I	Introductory Psychology			√	To study the processes of development of modern scientific psychology and develop a scientific temperament in studying and understanding human behaviour.
2	CC-II	Basic Developmental Processes			√	To acquire key ideas about human development and the perspectives to understand and explain such developments.
3	CC-III	Basic Psychological Processes			√	To gather knowledge about the structural and functional dynamics of each of the mental processes and their interconnectedness.
4	CC- IV	Processes of Human Empowerment	√		√	To gain ideas about intelligence, personality, motivation, emotion, social behaviour and positive psychology as foundations of human empowerment.
5	CC-V	Psychological Statistics	√		√	To develop critical thinking for application of appropriate statistical analysis in Psychological research.
6	CC-VI	Social Psychology	√	√	√	To understand the individuals and groups in respect to patterns of social behaviour and attitudes, dynamics of intergroup relationships, conflict, prejudice and cooperation.
7	CC-VII	Environmental Psychology		√	√	To highlight the simultaneous mutual interaction of environment and behaviour.
8	CC-VIII	Psychopathology	√	√	√	To understand the basic concepts underlying psychopathology and assessment techniques for identifying and classifying maladaptive behaviour and mental disorders.

9	CC-IX	Educational Psychology	√	√	√	To provide an overview of the purposes and uses of educational psychology and to help understand human development focusing on the years of formal education including those with ability differences.
10	CC-X	Psychological Assessment	√		√	To train students in various psychological assessment techniques and to impart skills necessary for selecting and applying different tests for evaluation, training, rehabilitation.
11	CC-XI	Organisational Behaviour	√		√	To help understand the structure, functions, and designs of different organizations and to demonstrate professional skills in the evaluation, management, and development of human resources in the organizations.
12	CC-XII	Health Psychology	√		√	To understand behavioural factors that influence health and illness and understand about health enhancing behaviours including coping with illness.
13	CC-XIII	Counselling Psychology	√		√	To understand and integrate current scientific knowledge and theory into counselling practice.
14	CC-XIV	Positive Psychology			√	To identify and analyze the key conceptual and theoretical frameworks underpinning positive psychology and apply a strengths-based approach to mental health issues.
15	DSE-I	Psychological Research and Measurement	√		√	To provide an overview of scientific approaches to psychological research in term of sampling techniques, scientific method, experimental designs and acquaints the students with respect to psychometric, projective techniques and non- testing approaches like interview.
16	DSE-II	Psychology and social issues		√	√	Understand the nature and characteristics of different social systems and social integration in India, aspects of health and wellbeing of Indian people and the political behaviour of Indian people.

17	DSE-III	Psychology of Disability	√	√	√	To provide an overview of the disability from the psychological perspective.
18	DSE-IV	DISSERTATION/ RESEARCH PROJECT	√	√	√	To help students to learn how to develop scientific research designs in the study of psychology.
19	GE-I	INTRODUCTORY PSYCHOLOGY	√		√	To help the students develop a scientific temperament in studying and understanding human behaviour.
20	GE-II	Basic Developmental Processes	√		√	To acquire key ideas about human development and the perspectives to understand and explain such developments.
21	GE-III	INTRODUCTORY PSYCHOLOGY	√		√	To help the students develop a scientific temperament in studying and understanding human behaviour.
22	GE-II	Basic Developmental Processes	√		√	To acquire key ideas about human development and the perspectives to understand and explain such developments.
23	AECC-I	EVS & DM			√	To study and apply all measures in disaster management
24	AECC-II	MIL			√	To study and understand literature
25	SEC-I	English Communication	√		√	To understand the art of effective communication skills
26	SEC-II	Quantitative & Logical Thinking	√		√	To understand and apply logical thinking
27	E & V-I	Issues Relating to Women				Enable the students to value the contributions of women, from family to the larger society
28	E & V-II	Values & Good Citizens				Understanding Basic Values of Indian Constitution and patriotism
29	E & V- III	Issues of Drug, Tobacco & Alcohol Addiction				The students become aware of the grave danger of consuming alcohol, tobacco and drugs

30	E & V-IV	Ethical Value for Student Life				The students will learn to behave ethically in the campus
31	E &V-V	Vulnerable Sections of Society				Students would be able to appreciate values and ethics relating to vulnerable sections of the society
32	E &V-VI	Environmental and Techno Ethics				Develop an understanding of environmental ethics and work towards sustainable development

Total No of courses relevant to Employability/ Entrepreneurship/ Skill development = 26

Mapping of the courses to employability, entrepreneurship and skill development

Program: B. Sc Zoology Honours

Sl No	Course Code	Course name	Emp	Ent	SD	Description
1	CC-I	Non- Chordates I: Protista to Pseudocoelomates	√			This course will help students to develop understanding on the diversity of life with regard to protists and non-chordates and chordates and group animals on the basis of their morphological characteristics/ structures.
2	CC-II	Principles of Ecology	√			This course will take students on a journey through the physical workings of the Earth, the interactions between species and their environments. The course highlights on some of the important aspects viz. growth and survival of populations and communities in different habitats, energy flow in the ecosystems, interactions between the communities, exclusion of niches and

					consequences of changing environment on the biodiversity
3	CC-III	Non-chordates II: Coelomates	v		This course will help students to develop understanding on the diversity of life with regard to non-chordates and group animals on the basis of their morphological characteristics/ structures
4	CC- IV	Cell Biology	v		The course provides a detailed insight into basic concepts of cellular structure and function. It also gives an account of the complex regulatory mechanisms that control cell function
5	CC-V	Diversity of Chordates	v		This course will help students to develop understanding on the diversity of life with regard to chordates and group animals on the basis of their morphological characteristics/ structures
6	CC-VI	Physiology: Controlling and Coordinating systems	v		Acquire knowledge of the coordinated functioning of complex human body machine
7	CC-VII	Fundamentals of Biochemistry	v		The course provides an introduction to the structure of biomolecules with emphasis on the techniques used for structure determination and analysis. The course covers basic aspects of sample preparation for analysis and aims to enlighten the students how structural information can be utilized for better understanding of biological processes
8	CC-VIII	Comparative Anatomy of Vertebrates	v		Develop an understanding of the evolution of vertebrates thus integrating structure, function and development

9	CC-IX	Physiology: Life Sustaining Systems	√			The course deals with various physiological functions in mammals. It also gives an account of the metabolic/ biochemical pathways and the probable impact of environment on them.
10	CC-X	Biochemistry of Metabolic Processes	√	√	√	The course provides an introduction to the structure of biomolecules with emphasis on the techniques used for structure determination and analysis. The course covers basic aspects of sample preparation for analysis and aims to enlighten the students how structural information can be utilized for better understanding of biological processes
11	CC-XI	Molecular Biology	√	√	√	The course provides an insight into the life processes at the subcellular and molecular levels. Other important aspects include DNA and molecular genetics including gene cloning, sequencing and gene mapping in addition to the powerful techniques that revolutionized the pharmaceutical, health and agricultural industries.
12	CC-XII	Principles of Genetics	√		√	The course is designed to revise basic concepts of Genetics and then move on to advanced concepts. Some key aspects include the mechanism of inheritance, gene structure and function, sex chromosomal and autosomal anomalies, aspects of human genetics, etc. will be covered. A strong emphasis will be laid on the modern tools and techniques used in genetics
13	CC-XIII	Developmental Biology	√		√	The course explains the sequence of events starting with a single cell to the production of a very complex organism. The course not only describes how embryos develop (embryology), but also highlights how the processes of development are brought about by changing

						individual cells into specialized cells with specific functions (the cellular level), and how genes within the genome of the organism drive and guide these changes (the molecular level). It also deals with a comparative account of development in some select groups of animals.
14	CC-XIV	Evolutionary Biology	√			The present course gives insight into the origin of life and the related evolutionary processes. The evolutionary theories and the process of species formation will be elaborated in view of the natural selection process.
15	DSE-I	Animal Biotechnology	√	√	√	This course gives an insight into the direct manipulation of DNA to alter the characteristics of an organism in a particular way. It envisages concepts, mechanisms, biological designs, functions and evolutionary significance of genetic modification or manipulation in special organisms and also discusses the recent advance in recombinant DNA technology
16	DSE-II	Immunology	√	√	√	This course provides the students with the fundamental knowledge of the immune system and its protective roles against diseases.
17	DSE-III	Fish and Fisheries	√	√	√	The program of study aims to provide students with a broad-based foundation in science together with extensive subject knowledge in the discipline of fisheries. It also aims to develop a range of transferable research, analytical and communication skills.
18	DSE-IV	Project/Economic Zoology	√	√	√	The course is unique in highlighting the commercial and industrial significance/value of animals. It discusses the techniques/ methods of rearing of animals for commercial usage and the prerequisites for their successful maintenance and sustenance/ Project Work
19	GE-I	NA				
20	GE-II	NA				

21	GE-III	Human Physiology	√		√	The course provides an insight into the structure and function of organ systems in humans and their involvement in body metabolism towards maintenance of homeostasis.
22	GE-IV	Cell and Molecular Biology	√		√	The course provides a detailed insight into basic concepts of cellular structure and function. It also gives an account of the complex regulatory mechanisms that control cell function and basics of molecular functions
23	AECC-I	EVS & DM	√		√	This course enables students to study and apply all measures in disaster management.
24	AECC-II	MIL	√		√	This course enables students to study and understand literature
25	SEC-I	English Communication	√		√	The students will understand the art of effective communication skills
26	SEC-II	Quantitative & Logical Thinking	√		√	The students will understand and apply logical thinking
27	E & V-I	Issues Relating to Women	√			This course will enable the students to value the contributions of women, from family to the larger society
28	E & V-II	Values & Good Citizens	√			The students will understand basic values of Indian Constitution and patriotism
29	E & V-III	Issues of Drug, Tobacco & Alcohol Addiction	√			The students become aware of the grave danger of consuming alcohol, tobacco and drugs
30	E & V-IV	Ethical Value for Student Life	√			The students will learn to behave ethically in the campus
31	E & V-V	Vulnerable Sections of Society	√			Students would be able to appreciate values and ethics

						relating to vulnerable sections of the society
32	E &V-VI	Environmental and Techno Ethics	√			This course will help students to develop an understanding of environmental ethics and work towards sustainable development

Total No of courses relevant to:

i) Employability=30

ii) Entrepreneurship=06

iii) skill development =14

