

Courses focus on Global, National, Regional and Local Needs

Program: BA ANTHROPOLOGY

SL NO	Course Code	Couse Name	Local Need	National Need	Regional Need	Global Need	Description
1	CC-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 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	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, Community workers, co-ordinators communitation 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, exposser, to bio-social fact of the society develop the ability of saving social problem.
3	CC-III	Archaeological Anthropology	✓			✓	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	✓			✓	Research on behavioural ecology and process of development, mutation, that relate to medial Anthropology and Public health can absorb the students . They can be a policy maker. The skill student with 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.
5	CC-V	Tribes and Peasants in India	✓	✓			Anthropological knowledge on Tribal Culture and Sustainability facilitateto obtain the job as Policy maker, social worker, Academician, Social activist. Well aquanted with indigenous culture and its survival skill with indigenous knowledge.

6	CC-VI	Human Ecology	✓	✓			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.
7	CC-VII	Biodiversity in Human Populations	✓	✓	✓	✓	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 with 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.
8	CC-VIII	Theories of Culture and Society	✓			✓	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 fascilitators, organisational development advisors,business for service designer, as they are very much aquanted with biological or social fact of human society.Student gets well communication skill, exposor to biosocial fact of the society develop the ability of something social problem.
9	CC-IX	Human Growth and Development	✓			✓	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 stucture 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.
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, interios 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.

Courses focus on Global, National, Regional and Local Needs

Program: B.Ed. (SF)

Sl No	Course Code	Course name	Local need	National need	Regional need	Global need	Description
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1	PE-1	Education, school and society		√	√	√	To study the relationship between school and education, school and community and among education society and culture.
2	PE-2	Childhood and Growing up		√	√	√	Explain the concepts of growth and development of human child and the underlined general principles of growth and development.
3	PE-3	Learning and Teaching		√	√	√	Elaborate the process of learning as meaning making and the ways of facilitating meaningful learning in and out of the school.
4	PE-4	Contemporary Concerns in Education		√	√	√	Describe the prevailing social inequities, diversities and marginalization in India and their implication for education
5	PE-5	Knowledge and Curriculum		√	√	√	Describe the process of constructing knowledge and elaborate the transaction, evaluation processes of curriculum
6	PE-6	Educational Management		√	√	√	Study the structure of educational management at different levels – from national to institution level.
7	PE-7(a)	Creating an Inclusive School		√	√	√	Elaborate the different categories of children with special needs, their problems in schooling.
8	PE-7(b)	Gender, School and Society	√	√	√	√	State the key concepts related to the gender issues and identify key gender issues in school, curriculum, textbooks and pedagogical process.
9	PE- 8(a)	Action Research and Innovation	√	√	√	√	Understand the concept, need and importance of action research and its differences with the pure and applied researches in Education. ·Conduct action research selecting and using the appropriate methods
10	PE- 8(b)	Guidance and Counselling	√	√	√	√	State the concept, need and principles of guidance, Explain the role of school in organizing different guidance programmes,

11	CPS- 1	Language across the Curriculum		√	√	√	Identify the language backgrounds of students and facilitate their movement from home / regional language to standard language
12	CPS- 2	Learning Assessment	√	√	√	√	State the nature, purpose and types of educational assessment and evaluation and develop and use different types of tools and techniques for CCE of learning in the school situation
13	CPS-3 (a&b)	Pedagogy of Language (Odia)	√	√	√	√	To the importance and place of Odia as mother tongue in school Curriculum,
14	CPS-3	Pedagogy of Language (English)	√	√	√	√	Analyze the issues relating to importance and place of English in school curriculum, acquisition of skills in English, realization of aims and objectives of learning English and language policy as conceived in NPE, 1986 and NCF – 2005.
15	CPS- 3	Pedagogy of Social Studies (History and Political Science)	√	√	√	√	Specify the skills and competencies to formulate specific learning outcomes for different History and Political Science lessons
16	CPS-3	Pedagogy of Physical Science	√	√	√	√	Plan lessons in physical science for effective classroom transactions, Develop and collect activities and resource materials for their use in enhancing quality of learning of Physical Science at the secondary level.
17	CPS- 3	Pedagogy of Mathematics	√	√	√	√	Narrate the evolution and nature of Mathematics and its importance in the school curriculum in the context of the recent curricular reforms
18	CPS-3	Pedagogy of Bio-science	√	√			Develop and collect activities and resource materials for their use in enhancing quality of learning of Biological Science at the secondary level.

19	EPC-1	Critical Understanding of ICT		√	√	√	Describe a computer system and its working.
20	EPC-2	Understanding the Self	√	√	√	√	Realize that the Self does not have independent existence but related to Nature, other selves and the 'Unknown' causing it and this great design of the Universe.
21	EPC-3	Fine Art		√	√	√	Explain different Art forms, prepare two dimensional and three-dimensional teaching aids Collect materials from the locality and prepare low cost and no cost teaching aids
22	EPC- 4	Physical Education and Yoga	√	√	√	√	Understand the importance of Physical Education in Human life. List the different programmes of Physical Education
23	OCS-D-1	Fruit and Vegetable Preservation	√	√			Develop economic values through fruit and vegetable preservation.
24	School Internship		√				Developing professional capacities, teacher sensibilities and sustained engagement of student-teachers (prospective teachers) with learners and schools

Courses focus on Global, National, Regional and Local Needs

Program: UG BOTANY

Sl No	Course Code	Course name	Local need	National need	Regional need	Global need	Description
1	C-1	Microbiology and Phycology	√	√	√	√	To understand the world of microbes, Bacteria and Cyanobacteria and its economical and ecological significance
2	C-2	Biomolecules and Cell Biology	√	√	√	√	To familiarize the world with the structural and functional aspects of cell, the basic unit of life, and its different organelles.
3	GE-1 A	Biodiversity	√	√	√	√	To provide broad spectrum diversity of microbes and their economical and ecological significance.
4	C-1	Microbiology and Phycology (Practical)	√	√	√	√	To equip students to identify the microbes and their practical applicability.

5	C-2	Biomolecules and Cell Biology (Practical)	√	√	√	√	To develop interest among students to learn about the cell at molecular level and know their functions.
6	GE-1A	Biodiversity (Practical)	√	√	√	√	To equip students to identify the microbes and their practical applicability.
7	C-3	Mycology and Phytopathology	√	√	√	√	To provide the students with the knowledge of the diversity of fungal world and the plant pathogens and their significance.
8	C-4	Archegoniate	√	√	√	√	To familiarise students about the plant kingdom their environmental status and significance.
9	C-3	Mycology and Phytopathology (Practical)	√	√	√	√	To help students understand and identify the various fungal strains and plant pathogens through various tests and specimen identification under microscope.
10	C-4	Archegoniate (Practical)	√	√	√	√	To impart conceptual and practical knowledge about the plant kingdom and their identification.
11	GE-2A	Ecology and Taxonomy	√	√	√	√	The paper provides the student to study about the environment and its structural and functional aspects and brief idea about plant nomenclature.
12	GE-2A	Ecology and Taxonomy (Practical)	√	√	√	√	To impart conceptual and practical knowledge about environmental conditions and estimation of pollution levels and field visit for plant identification.
13	C-5	Anatomy of Angiosperms	√	√	√	√	To acquaint students to distinguish plants anatomically and their significance.
14	C-5	Anatomy of Angiosperms (Practical)	√	√	√	√	To equip students to get proper section cuttings and enhance their section cutting skills
15	C-6	Economic Botany	√	√	√	√	To aware students about the economical uses and significance of various crop plants, spices, medicinal plants, timber yielding plants, fibre yielding plants etc.
16	C-6	Economic Botany (Practical)	√	√	√	√	To ensure that students able to identify the plants and know the various economic uses and its sustainability.
17	C-7	Genetics	√	√	√	√	To impart knowledge about the heredity and variation among individuals and its significance.

18	C-7	Genetics (Practical)	√	√	√	√	Practical study of heredity and genetical aberrations of chromosomes and its significance
19	C-8	Molecular Biology	√	√	√	√	To impart knowledge about the molecular processes of cell, its behaviour and function
20	C-8	Molecular Biology (Practical)	√	√	√	√	Practical study about the molecular processes of cell, its behaviour and function
21	C-9	Plant ecology and Phytogeography	√	√	√	√	To ensure students gain knowledge about the ecosystem its functioning and study of various phytogeographical aspects.
22	C-9	Plant ecology and Phytogeography (Practical)	√	√	√	√	To perform various ecological experiments of soil analysis, water analysis and its comparative study
23	C-10	Plant Systematics	√	√	√	√	To ensure students identify the plants correctly, identification techniques, herbarium preparation and study of various angiospermic plant families
24	C-10	Plant Systematics (Practical)	√	√	√	√	Field visit to various botanical gardens, plant identification and herbarium preparation.
25	C-11	Reproductive Biology of Angiosperms	√	√	√	√	To understand the life cycle of various angiospermic plants and its significance in the ecosystem
26	C-11	Reproductive Biology of Angiosperms (Practical)	√	√	√	√	Practical study of various pollen grains and reproductive structures and its comparative analysis.
27	C-12	Plant Physiology	√	√	√	√	To understand the various life processes of plants and its significance
28	C-12	Plant Physiology (Practical)	√	√	√	√	To undergo various physiological experiments and compare data and draw conclusion
29	DSE-1	Analytical techniques in Plant Sciences	√	√	√	√	To understand the uses, working and application of different biotechniques and its biological significance
30	DSE-1	Analytical techniques in Plant Sciences (Practical)	√	√	√	√	Practical applications relating to theory and its practical significance.
31	DSE-2	Natural Resource Management	√	√	√	√	To know about the various natural resources, its utilisation and sustainable use.

32	DSE-2	Natural Resource Management (Practical)	√	√	√	√	Practical utility and its applications and significance
33	C-13	Plant metabolism	√	√	√	√	To understand the various metabolic processes of plants and its significance
34	C-13	Plant metabolism (Practical)	√	√	√	√	Practical utility and its applications and significance
35	C-14	Plant Biotechnology	√	√	√	√	To equip students to understand the various biotechnological processes and its applications
36	C-14	Plant Biotechnology (Practical)	√	√	√	√	Practical utility and its applications and significance with reference to Genetically modified crops
37	DSE-3	Horticultural practices and post harvest Technology	√	√	√	√	To learn about various horticultural practices and post harvest technology for various crops and fruits and vegetables for its longevity
38	DSE-3	Horticultural practices and post harvest Technology (Practical)	√	√	√	√	Practical utility of various horticultural practices, its applications and significance
39	AECC	Environmental Sc. & Disaster Management	√	√	√	√	To ensure students should know about the environment, climate changes and sustainability and various natural and anthropogenic disasters and its management

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Program: BSc Chemistry

Sl No	Course Code	Course name	Local need	National need	Regional need	Global need	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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Program: UG COMMERCE

Sl No	Course Code	Course name	Local need	National need	Regional need	Global need	Description
1	CC-I	Financial Accounting	√	√	√	√	To study the processes of development of various Financial Accounting Statements like Income Statement, Balance Sheet etc of Various Corporate Entities
2	CC-II	Business Law	√	√	√	√	To ensure fair practices in Contracts and to understand the concepts of Negotiable Instruments, Sale of Goods Act, Right to Information Act and Consumer Protection Act.
3	CC-III	Cost Accounting	√	√	√	√	To Manage and Determine different Costs , Fixing Standards and also different material control techniques like Activity Based Costing, EOQ, Re-order level, VED Analysis. To determine Labour Cost of different industries and to reduce Labour Turnover
4	CC- IV	Corporate Law	√	√	√	√	To gain ideas about Companies Act 2013, Depository Act, 1996 and also providing information about Shares, Debentures and different types of Corporate Meetings like BOD, AGM, EGM etc.
5	CC-V	Corporate Accounting	√	√	√	√	To acquire the conceptual knowledge of preparing the Financial Statements of various Corporate Sectors like PSU, Joint Stock Companies etc.
6	CC-VI	Income Tax- Law and Practice	√	√	√	√	To provide basic Knowledge regarding Income Tax Slab, different Provisions of Income Tax Liability of Individual, HUF etc.
7	CC-VII	Management Principles and Application	√	√	√	√	To provide knowledge of various basic management concepts, principles and practices and giving knowledge about different schools of thought of management.
8	CC-VIII	GST and Indirect Taxes	√	√	√	√	To understand the basic concepts, principles and provisions of GST, GST laws like CGST,SGST, IGST, UTGST etc.
9	CC-IX	Fundamentals of Data Management	√	√	√	√	To help in working in word document,spreadsheets,presenting slides and other website designing of different business sectors.
10	CC-X	Management Accounting	√	√	√	√	To understand the basic concepts of C-V-P Analysis, Break even Analysis, cash flow statement,

							ratio analysis and other techniques for managerial decision making.
11	CC-XI	Computerised Accounting and E-Filling of Tax Returns	√	√	√	√	To understand the process for company creation, preparation of payroll accounting, DBMS and submission of online income tax return of individual and company.
s1 2	CC-XII	Fundamentals of financial management	√	√	√	√	To understand different Principles and Practices of Financial Management like Sources of Finance, Cost of Capital, Working Capital Management and dividend decision.
13	CC-XIII	Auditing and Corporate Governance	√	√	√	√	To provide knowledge of auditing principles, procedures and techniques with current legal requirements of auditing standards and overview of corporate governance and CSR.
14	CC-XIV	Business Mathematics	√	√	√	√	To familiarise with basic mathematical tools and application to business and economic situations like matrices, calculus, derivatives, LPP, PERT and CPM etc.
15	DSE-I	Financial Markets, Institutions and Services	√	√	√	√	To understand the framework of financial system of India and its components like money market, capital market, financial institutions, NBFCs and financial services.
16	DSE-II	Financial Statement Analysis and Reporting	√	√	√	√	To highlight various concepts of financial statements its types and preparation with interpretation, and also preparing end results of business houses with reports like integrated reporting and sustainability reporting.
17	DSE-III	Fundamentals of Corporate Tax Planning	√	√	√	√	To provide conceptual ideas of various provisions in tax planning related to corporate sectors with tax returns.
18	DSE-IV	Business Research Method And Project Work	√	√			To provide general understanding of business research and methods to students in collecting, analysing, presenting and interpreting financial data.
19	GE-I	Micro Economics	√	√	√	√	To acquaint with various concepts of microeconomics dealing with consumer behaviour, and understanding demand and supply of production and cost behaviour of firms.

20	GE-II	Macro and Indian Economy	√	√	√	√	To understand various modern tools of macro economic analysis, policy framework, national income, income accounting, role of government and business problems.
21	GE-III	Business Statistics	√	√	√	√	To acquaint the students with the knowledge of basic statistical tools for managerial decision making like use of variances, correlation, regression and index number.
22	GE-IV	Principles of Marketing	√	√	√	√	To provide basic knowledge regarding concepts of marketing, consumer behaviour, market segmentation and development.
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 and quantitative techniques.
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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Program: MA Economics

SI No	Course Code	Course name	Local need	National need	Regional need	Global need	Description
1	HC-101	Micro Economics-I	√	√	√	√	To provide understanding of the basic economic processes in terms o 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 o 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.

Courses focus on Global, National, Regional and Local Needs

Program: MA ENGLISH

SI No	Course Code	Course name	Local need	National need	Regional need	Global need	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 Courses focus on Global, National, Regional and Local Needs

Program: BA/ B.Sc Home Science

Colour Index For Mapping:

Local need, National need, Regional need, Global need

Sl No	Course Code	Course name	Local need	National need	Regional need	Global need	Description
1	CC-I	Human Development -1	Y	Y	Y	Y	To Understand the importance of human development & the principles involved in it.
2	CC-II	Food & Nutrition	Y	Y	Y	Y	To Understand basic concepts of food nutrition and their related terms.
3	CC-III	Extension Education	Y	Y	Y	Y	To enable to understand the meaning, principles, philosophy of home science extension education.
4	CC-IV	Family Resource Management	Y	Y	Y	Y	To achieve goals in life through judicious resource management.
5	CC-V	Textiles	Y	Y	Y	Y	To know the manufacturing process of different types of textiles fibres, their structure, properties, and uses.
6	CC-VI	Dynamics of communication	Y	Y	Y	Y	To understand the different spheres, models and process of communication.
7	CC-VII	Personal finance & Consumer Studies	Y	Y	Y	Y	To gain knowledge about the need of consumer education
8	CC-VIII	Human Development -2	Y	Y	Y	Y	To know the different developmental task during adolescence and adulthood.
9	CC-IX	Nutrition – A life cycle approach	Y	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	Y	To support and collaborate with fashion, textiles and design industry to achieve a sustainable progress.
11	CC-XI	Therapeutic Nutrition	Y	Y	Y	Y	To know the principles and nutritional needs during different disease conditions
12	CC-XII	Physiology & Promotive Health	Y	Y	Y	Y	To understand the structure and functions of various organs of the body.
13	CC-XIII	Research Methodology in Home Science	Y	Y	Y	Y	To understand the meaning, process of research in social sciences.

14	CC-XIV	Socio Economic Environment	Y	Y	Y	Y	To know the relationship between society, economy and environment.
15	DSE-I	Indian Textiles Heritage	Y	Y	Y	Y	To gain knowledge about different traditional textile and crafts of India.
16	DSE-II	Communication Systems and Mass Media	Y	Y	Y	Y	To achieve the target of the organisation by motivating and influencing the audience.
17	DSE-III	Marriage and family relationships	Y	Y	Y	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	Y	To acquire knowledge about public health and role of nutrition.
19	GE-I	Human Nutrition	Y	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	Y	Y	Y	To know the importance of child study and pre natal growth and development
21	GE-III	Textiles	Y	Y	Y	Y	To acquire knowledge about yarn formation and fabric construction process.
22	GE-IV	Family Resource Management	Y	Y	Y	Y	To utilise the available resources effectively to achieve family goals.
23	AECC-I	EVS & DM	Y	Y			To study and apply all measures in disaster management
24	AECC-II	MIL	Y	Y	Y	Y	To study and understand literature
25	SEC-I	English Communication	Y	Y	Y	Y	To understand the art of effective communication skills
26	SEC-II	Quantitative & Logical Thinking	Y	Y	Y	Y	To understand and apply logical thinking
27	E & V-I	Issues Relating to Women	Y	Y	Y	Y	Enable the students to value the contributions of women, from family to the larger society
28	E & V-II	Values & Good Citizens	Y	Y	Y	Y	Understanding Basic Values of Indian Constitution and patriotism
29	E & V-III	Issues of Drug, Tobacco & Alcohol Addiction	Y	Y	Y	Y	The students become aware of the grave danger of consuming alcohol, tobacco and drugs
30	E & V-IV	Ethical Value for Student Life	Y	Y	Y	Y	The students will learn to behave ethically in the campus
31	E & V-V	Vulnerable Sections of Society	Y	Y	Y	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	Y	Y	Y	Develop an understanding of environmental ethics and work towards sustainable development

Courses focus on Global, National, Regional and Local Needs

Program: M.Sc. Home Science

Colour Index For Mapping:

Local need, National need, Regional need, Global need

Sl No	Course Code	Course name	Local need	National need	Regional need	Global need	Description
1	HC-101	Advanced Food Science and Nutrition	Y	Y	Y	Y	To acquire knowledge on science of food, nutrients and their requirements for human health
2	HC-102	Human Development	Y	Y	Y	Y	To understand the need and importance of studying human growth and development across life span
3	HC-103	Extension Education	Y	Y	Y	Y	To enrich the knowledge of students about teaching and learning process and extension programme planning.
4	HC-104	Integrated Practical	Y	Y	Y	Y	To learn the basic menu planning procedures, changes in childhood and adolescence and report preparation and presentation
5	AC-101	Computer Application For teaching and learning	Y	Y	Y	Y	To gain basic knowledge about computer application for teaching and learning
6	HC-201	Resource Management	Y	Y	Y	Y	To understand the significance of management processes, decision making process and effective use of resources in family living.
7	HC-202	Textile & Clothing	Y	Y	Y	Y	To develop understanding about the manufacturing process and properties of different textile fibres.
8	HC-203	Research Methodology and Statistics	Y	Y	Y	Y	To have basic knowledge about research, its process and writing research reports.
9	HC-204	Integrated Practical	Y	Y	Y	Y	To gain knowledge about resource management processes, visit to weaver's cooperative centre to gain

							practical knowledge of manufacturing process and different steps of research
10	CE-201	Advanced Human Development	Y	Y	Y	Y	To develop an understanding about the theories of human development
		Rural Development	Y	Y	Y	Y	To understand the basic rural institutions and its functions.
		Nutrition through life Span	Y	Y	Y	Y	To gain knowledge about nutritional needs at different stages of life.
		Housing and Interiors	Y	Y	Y	Y	To understand and apply the principles of design in housing
		Advanced Textile Processing	Y	Y	Y	Y	To gain knowledge on textile processing.
11	OE-201	Nutrition Across Life Span	Y	Y	Y	Y	To enhance knowledge about the physiological changes in different stages of life.
12	HC-301	Family Sociology	Y	Y	Y	Y	To understand family theories and perspectives related to interpersonal relations and family dynamics.
13	HC-302	Guidance and Counselling	Y	Y	Y	Y	To acquire knowledge about the need of guidance in the educational setting
14	HC-303	Integrated Practical	Y	Y	Y	Y	To understand the cotemporary family issues and basic counselling guidance procedures for better life.
15	CE-301	Early childhood care and Education	Y	Y	Y	Y	To gain knowledge about early childhood years and significance of intervention programs
		Community Development and Project Management	Y	Y	Y	Y	To acquire knowledge about the role of home science in community development.
		Nutritional Bio Chemistry	Y	Y	Y	Y	To gain knowledge about the metabolism of macro nutrients.
		Enterprise Management	Y	Y			To understand the conceptual inputs regarding entrepreneurship management
		Textiles Economics and Marketing	Y	Y	Y	Y	To understand the importance, significant contribution and bottlenecks of the Indian textile industry
		Exceptional Children	Y	Y	Y	Y	To know about the policies and programs for the education of exceptional children

16	CE-302	Communication in Extension Education	Y	Y	Y	Y	To develop understanding of the use of different methods of communication.
		Food Microbiology & Food Safety	Y	Y	Y	Y	To understand the physio-chemical properties of foods.
		Ergonomics	Y	Y	Y	Y	To gain knowledge about the role of ergonomics in work effectiveness and efficiency
		Clothing Standards and Specifications	Y	Y	Y	Y	To develop the holistic understanding of clothing standards and specifications.
17	FI-301	Project cum Internship	Y	Y	Y	Y	To acquire first hand information through field internship in different sector.
18	HC-401	Community Health Management	Y	Y	Y	Y	To understand various national and international nutritional organisation for combating malnutrition
19	Hc-402	Community Health Management (Practical)	Y	Y	Y	Y	To get exposure to nutrition management centres and its functions
20	HC-403	Dissertation	Y	Y	Y	Y	To gain knowledge about research, preparation and presentation of report.
21	CE-401	Parenting Across the Life Span	Y	Y	Y	Y	To know the concept of parenting parenthood and stages of parenting
		Entrepreneurship Development	Y	Y	Y	Y	To enrich knowledge about capacity building
		Therapeutic Nutrition	Y	Y	Y	Y	To gain knowledge on social aspects of nutrition with special reference to diet related diseases
		Family Finance and Consumer Behaviour	Y	Y	Y	Y	To know about consumer protection laws and acts and reflect upon consumer rights and responsibilities
		Textile Management	Y	Y	Y	Y	To gain knowledge about the concept of management prevailing in textile garment industry
22	AC-401	Theory: " Women and Society "(For All PG Subjects/ Programs)	Y	Y	Y	Y	To enrich knowledge about various women related contemporary issues and role of society to mitigate them.

Mapping of Courses focus on Global, National, Regional and Local Needs

Program: BA/ B.Sc Home Science

Colour Index For Mapping:

Local need, National need, Regional need, Global need

SI No	Course Code	Course name	Local need	National need	Regional need	Global need	Description
1	CC-I	Human Development -1	Y	Y	Y	Y	To Understand the importance of human development & the principles involved in it.
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3	CC-III	Extension Education	Y	Y	Y	Y	To enable to understand the meaning, principles, philosophy of home science extension education.
4	CC-IV	Family Resource Management	Y	Y	Y	Y	To achieve goals in life through judicious resource management.
5	CC-V	Textiles	Y	Y	Y	Y	To know the manufacturing process of different types of textiles fibres, their structure, properties, and uses.
6	CC-VI	Dynamics of communication	Y	Y	Y	Y	To understand the different spheres, models and process of communication.
7	CC-VII	Personal finance & Consumer Studies	Y	Y	Y	Y	To gain knowledge about the need of consumer education
8	CC-VIII	Human Development -2	Y	Y	Y	Y	To know the different developmental task during adolescence and adulthood.
9	CC-IX	Nutrition – A life cycle approach	Y	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	Y	To support and collaborate with fashion, textiles and design industry to achieve a sustainable progress.
11	CC-XI	Therapeutic Nutrition	Y	Y	Y	Y	To know the principles and nutritional needs during different disease conditions
12	CC-XII	Physiology & Promotive Health	Y	Y	Y	Y	To understand the structure and functions of various organs of the body.
13	CC-XIII	Research Methodology in Home Science	Y	Y	Y	Y	To understand the meaning, process of research in social sciences.

14	CC-XIV	Socio Economic Environment	Y	Y	Y	Y	To know the relationship between society, economy and environment.
15	DSE-I	Indian Textiles Heritage	Y	Y	Y	Y	To gain knowledge about different traditional textile and crafts of India.
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23	AECC-I	EVS & DM	Y	Y			To study and apply all measures in disaster management
24	AECC-II	MIL	Y	Y	Y	Y	To study and understand literature
25	SEC-I	English Communication	Y	Y	Y	Y	To understand the art of effective communication skills
26	SEC-II	Quantitative & Logical Thinking	Y	Y	Y	Y	To understand and apply logical thinking
27	E & V-I	Issues Relating to Women	Y	Y	Y	Y	Enable the students to value the contributions of women, from family to the larger society
28	E & V-II	Values & Good Citizens	Y	Y	Y	Y	Understanding Basic Values of Indian Constitution and patriotism
29	E & V-III	Issues of Drug, Tobacco & Alcohol Addiction	Y	Y	Y	Y	The students become aware of the grave danger of consuming alcohol, tobacco and drugs
30	E & V-IV	Ethical Value for Student Life	Y	Y	Y	Y	The students will learn to behave ethically in the campus
31	E & V-V	Vulnerable Sections of Society	Y	Y	Y	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	Y	Y	Y	Develop an understanding of environmental ethics and work towards sustainable development

Courses focus on Global, National, Regional and Local Needs

Program: M.Sc. Home Science

Colour Index For Mapping:

Local need, National need, Regional need, Global need

SI No	Course Code	Course name	Local need	National need	Regional need	Global need	Description
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2	HC-102	Human Development	Y	Y	Y	Y	To understand the need and importance of studying human growth and development across life span
3	HC-103	Extension Education	Y	Y	Y	Y	To enrich the knowledge of students about teaching and learning process and extension programme planning.
4	HC-104	Integrated Practical	Y	Y	Y	Y	To learn the basic menu planning procedures, changes in childhood and adolescence and report preparation and presentation
5	AC-101	Computer Application For teaching and learning	Y	Y	Y	Y	To gain basic knowledge about computer application for teaching and learning
6	HC-201	Resource Management	Y	Y	Y	Y	To understand the significance of management processes, decision

							making process and effective use of resources in family living.
7	HC-202	Textile & Clothing	Y	Y	Y	Y	To develop understanding about the manufacturing process and properties of different textile fibres.
8	HC-203	Research Methodology and Statistics	Y	Y	Y	Y	To have basic knowledge about research, its process and writing research reports.
9	HC-204	Integrated Practical	Y	Y	Y	Y	To gain knowledge about resource management processes, visit to weaver's cooperative centre to gain practical knowledge of manufacturing process and different steps of research
10	CE-201	Advanced Human Development	Y	Y	Y	Y	To develop an understanding about the theories of human development
		Rural Development	Y	Y	Y	Y	To understand the basic rural institutions and its functions.
		Nutrition through life Span	Y	Y	Y	Y	To gain knowledge about nutritional needs at different stages of life.
		Housing and Interiors	Y	Y	Y	Y	To understand and apply the principles of design in housing
		Advanced Textile Processing	Y	Y	Y	Y	To gain knowledge on textile processing.
11	OE-201	Nutrition Across Life Span	Y	Y	Y	Y	To enhance knowledge about the physiological changes in different stages of life.
12	HC-301	Family Sociology	Y	Y	Y	Y	To understand family theories and perspectives related to interpersonal relations and family dynamics.

13	HC-302	Guidance and Counselling	Y	Y	Y	Y	To acquire knowledge about the need of guidance in the educational setting
14	HC-303	Integrated Practical	Y	Y	Y	Y	To understand the cotemporary family issues and basic counselling guidance procedures for better life.
15	CE-301	Early childhood care and Education	Y	Y	Y	Y	To gain knowledge about early childhood years and significance of intervention programs
		Community Development and Project Management	Y	Y	Y	Y	To acquire knowledge about the role of home science in community development.
		Nutritional Bio Chemistry	Y	Y	Y	Y	To gain knowledge about the metabolism of macro nutrients.
		Enterprise Management	Y	Y			To understand the conceptual inputs regarding entrepreneurship management
		Textiles Economics and Marketing	Y	Y	Y	Y	To understand the importance, significant contribution and bottlenecks of the Indian textile industry
16	CE-302	Exceptional Children	Y	Y	Y	Y	To know about the policies and programs for the education of exceptional children
		Communication in Extension Education	Y	Y	Y	Y	To develop understanding of the use of different methods of communication.
		Food Microbiology & Food Safety	Y	Y	Y	Y	To understand the physio-chemical properties of foods.
		Ergonomics	Y	Y	Y	Y	To gain knowledge about the role of ergonomics in work effectiveness and efficiency

		Clothing Standards and Specifications	Y	Y	Y	Y	To develop the holistic understanding of clothing standards and specifications.
17	FI-301	Project cum Internship	Y	Y	Y	Y	To acquire first hand information through field internship in different sector.
18	HC-401	Community Health Management	Y	Y	Y	Y	To understand various national and international nutritional organisation for combating malnutrition
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20	HC-403	Dissertation	Y	Y	Y	Y	To gain knowledge about research, preparation and presentation of report.
21	CE-401	Parenting Across the Life Span	Y	Y	Y	Y	To know the concept of parenting parenthood and stages of parenting
		Entrepreneurship Development	Y	Y	Y	Y	To enrich knowledge about capacity building
		Therapeutic Nutrition	Y	Y	Y	Y	To gain knowledge on social aspects of nutrition with special reference to diet related diseases
		Family Finance and Consumer Behaviour	Y	Y	Y	Y	To know about consumer protection laws and acts and reflect upon consumer rights and responsibilities
		Textile Management	Y	Y	Y	Y	To gain knowledge about the concept of management prevailing in textile garment industry
22	AC-401	Theory: " Women and Society "(For All PG Subjects/ Programs)	Y	Y	Y	Y	To enrich knowledge about various women related contemporary issues and role of

							society to mitigate them.
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Courses focus on Global, National, Regional and Local Needs

Program: BSc Mathematics

SI No	Course Code	Course name	Local need	National need	Regional need	Global need	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 <i>in string theory which examines conformal invariants in quantum field theory</i>
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 analyse 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

Courses focus on Global, National, Regional and Local Needs

Program: MSc Mathematics

Sl No	Course Code	Course name	Local need	National need	Regional need	Global need	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 <i>in string theory which examines conformal invariants in quantum field theory</i>
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.

Courses focus on Global, National, Regional and Local Needs

Program: B.A. Philosophy

	Course Code	Course name	Local need	National need	Regional need	Global need	Description
	CC-I	General Philosophy		√	√	√	Understand different branches and modes of philosophy.
	CC-II	Logic and Scientific Method		√	√	√	To impart knowledge about different scientific and logical methods.
	CC-III	Systems of Indian Philosophy-I		√	√	√	To profound spiritual and ethical guidance for individuals seeking meaning purpose and moral values in life.
	CC-IV	Symbolic Logic		√	√	√	To understand in developing and applying precise, logical thinking to everyday problem-solving, decision-making and arguments.
	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.
	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.
	CC-VII	Systems of Indian Philosophy-II		√	√	√	To profound spiritual and ethical guidance for individuals seeking meaning purpose and moral values in life.
	CC-VIII	Contemporary Indian Philosophy	√	√	√	√	To profound spiritual and ethical guidance for individuals seeking meaning purpose and moral values in life.
	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.
	CC-X	Philosophy of Language	√	√	√	√	To helps ensure clear and precise communication by examining the meaning and usages of words and concepts, reducing the risk of misunderstanding.
	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.

	CC-XII	<i>Indian Text-Isa Upanishads</i>	√	√	√	√	To understanding Indian Classics of philosophy is fundamental to understanding the intellectual and cultural heritage of the Indian World.
	CC-XIII	Social & Political Philosophy	√	√	√	√	To provides a moral and ethical framework for understanding and evaluating political systems and actions, helping individuals and societies to make principled decisions
	CC-XIV	Applied Ethics	√	√	√	√	To provides a structured framework for making moral decision in real-world situations.
	DSE-I	Philosophy of Bhagavad Gita	√	√	√	√	To profound spiritual and philosophical guidance for individuals seeking meaning, purpose and moral values in life.
	DSE-II	Philosophy of Religion	√	√	√	√	To promotes a deeper understanding of diverse cultures and their belief systems, fostering tolerance and respect for different traditions and practices.
	DSE-III	Gandhian Study	√	√	√	√	To understand about deeply about m.k. Gandhi and his philosophical thought.
	DSE-IV	DISSERTATION	√	√			The research project forms part of the curriculum for students on any of the topic related to philosophy.
	GE-I	Symbolic logic		√	√	√	To understand in developing and applying precise, logical thinking to everyday problem-solving, decision-making and arguments.
	GE-II	Indian Philosophy	√	√	√	√	To profound spiritual and ethical guidance for individuals seeking meaning purpose and moral values in life.
	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.
	GE-IV	Ethics: Theory and practice	√	√	√	√	To provides a structured framework for making moral decision in real-world situations.
	AECC-I	EVS & DM	√	√			To study and apply all measures in disaster management
	AECC-II	MIL	√				To study and understand literature

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

Courses focus on Global, National, Regional and Local Needs

Program: B.A. Philosophy

	Course Code	Course name	Local need	National need	Regional need	Global need	Description
	CC-I	General Philosophy		√	√	√	Understand different branches and modes of philosophy.
	CC-II	Logic and Scientific Method		√	√	√	To impart knowledge about different scientific and logical methods.
	CC-III	Systems of Indian Philosophy-I		√	√	√	To profound spiritual and ethical guidance for individuals seeking meaning purpose and moral values in life.
	CC-IV	Symbolic Logic		√	√	√	To understand in developing and applying precise, logical thinking to everyday problem-solving, decision-making and arguments.
	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.

	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.
	CC-VII	Systems of Indian Philosophy-II		√	√	√	To profound spiritual and ethical guidance for individuals seeking meaning purpose and moral values in life.
	CC-VIII	Contemporary Indian Philosophy	√	√	√	√	To profound spiritual and ethical guidance for individuals seeking meaning purpose and moral values in life.
	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.
	CC-X	Philosophy of Language	√	√	√	√	To helps ensure clear and precise communication by examining the meaning and usages of words and concepts, reducing the risk of misunderstanding.
	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.
	CC-XII	<i>Indian Text-Isa Upanishads</i>	√	√	√	√	To understanding Indian Classics of philosophy is fundamental to understanding the intellectual and cultural heritage of the Indian World.
	CC-XIII	Social & Political Philosophy	√	√	√	√	To provides a moral and ethical framework for understanding and evaluating political systems and actions, helping individuals and societies to make principled decisions
	CC-XIV	Applied Ethics	√	√	√	√	To provides a structured framework for making moral decision in real-world situations.
	DSE-I	Philosophy of Bhagabad Gita	√	√	√	√	To profound spiritual and philosophical guidance for individuals seeking meaning, purpose and moral values in life.
	DSE-II	Philosophy of Religion	√	√	√	√	To promotes a deeper understanding of diverse cultures and their belief systems, fostering tolerance and

							respect for different traditions and practices.
DSE-III	Gandhian Study	√	√	√	√		To understand about deeply about m.k. Gandhi and his philosophical thought.
DSE-IV	DISSERTATION	√	√				The research project forms part of the curriculum for students on any of the topic related to philosophy.
GE-I	Symbolic logic		√	√	√		To understand in developing and applying precise, logical thinking to everyday problem-solving, decision-making and arguments.
GE-II	Indian Philosophy	√	√	√	√		To profound spiritual and ethical guidance for individuals seeking meaning purpose and moral values in life.
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.
GE-IV	Ethics: Theory and practice	√	√	√	√		To provides a structured framework for making moral decision in real-world situations.
AECC-I	EVS & DM	√	√				To study and apply all measures in disaster management
AECC-II	MIL	√					To study and understand literature
SEC-I	English Communication	√	√				To understand the art of effective communication skills
SEC-II	Quantitative & Logical Thinking	√	√				To understand and apply logical thinking
E & V-I	Issues Relating to Women	√	√				Enable the students to value the contributions of women, from family to the larger society
E & V-II	Values & Good Citizens	√	√				Understanding Basic Values of Indian Constitution and patriotism
E & V-III	Issues of Drug, Tobacco & Alcohol Addiction	√	√				The students become aware of the grave danger of consuming alcohol, tobacco and drugs
E & V-IV	Ethical Value for Student Life	√	√				The students will learn to behave ethically in the campus
E & V-V	Vulnerable Sections of Society	√	√				Students would be able to appreciate values and ethics relating to vulnerable sections of the society
E & V-VI	Environmental and Techno Ethics	√	√	√	√		Develop an understanding of environmental ethics and work towards sustainable development

Courses focus on Global, National, Regional and Local Needs

Program: BA Psychology

Sl No	Course Code	Course name	Local need	National need	Regional need	Global need	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
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**Courses focus on
global,national,regional
and local needs**

Course code	Local needs	National needs	Regional needs	global n
CC-1	√	√	√	√
CC-2	√	√	√	√
CC-3	√	√	√	√
CC-4	√	√	√	√
CC-5	√	√	√	√
CC-5	√	√	√	√
CC-6	√	√	√	√
CC-7	√	√	√	√
CC-8	√	√	√	√
CC-9	√	√	√	√
CC-10	√	√	√	√
CC-11	√	√	√	√
CC-12	√	√	√	√
CC-13	√	√	√	√
CC-14	√	√	√	√
DSE-1	√	√	√	√
DSE-2	√	√	√	√
DSE-3	√	√	√	√

Courses focus on Global, National, Regional and Local Needs

Programme: B.Sc. Zoology Honours

Sl No	Course Code	Course name	Local need	National need	Regional need	Global need	Description
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1	CC-I	Non- Chordates I: Protista to Pseudocoelomates	v	v	v	v	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	v	v	v	v	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	v	v	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	√	√	√	√	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	√	√	√	√	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	√	√	√	√	Acquire knowledge of the coordinated functioning of complex human body machine
7	CC-VII	Fundamentals of Biochemistry	√	√	√	√	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	v	v	v	Develop an understanding of the evolution of vertebrates thus integrating structure, function and development
9	CC-IX	Physiology: Life Sustaining Systems	v	v	v	v	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	v	v	v	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
11	CC-XI	Molecular Biology	v	v	v	v	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	v	v	v	v	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	v	v	v	v	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	Economic Zoology/ Project Work	√	√	√	√	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-II	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

Courses for local needs= 30

Courses for Regional Needs = 29

Courses for National Needs =22

Courses for Global Needs = 22

