

2.6.2 -Attainment of Programme outcomes, Programme specific outcomes and courses outcomes are evaluated by the institution during the year

The list of assessment tools for both direct and in direct methods is given below:

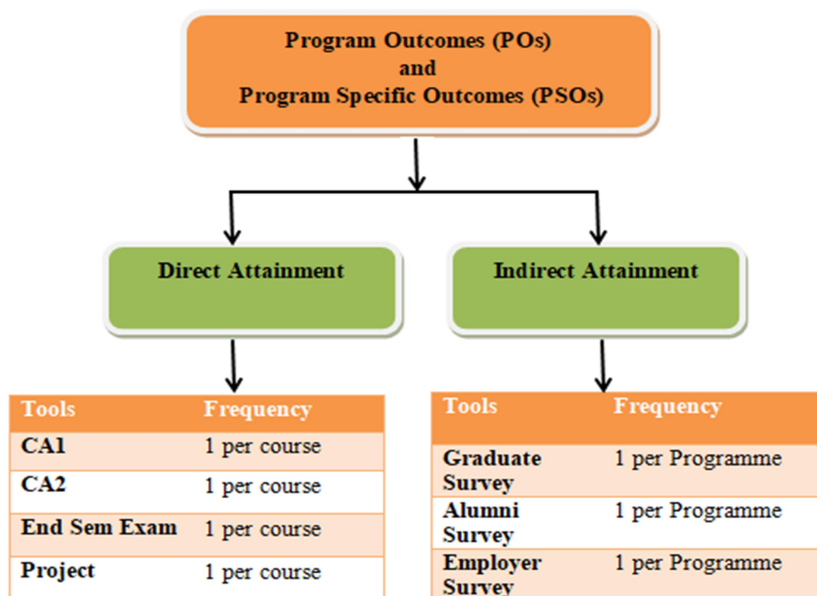


Table1 Assessment tools used for calculation of PO attainment

Assessment Tool Type	Assessment Tool Title	Tool Description
Direct Attainment Tools	Internal Assessments	Internal tests are conducted during every semester to award final CIE marks. These tests will prepare the students for the Semester End Examination.
	Internal Laboratory Test	During the semester, One laboratory test will be conducted and evaluation is done in that test. This test will enhance the confidence of students to face SEE practical examination.
	Mini Projects, Internship, Projects	Evaluation is done in phases by a committee (HOD, two senior faculties inclusive of the Project guide).
	Semester End Examination	Both theory and practical/project examination are conducted as per the guidelines provided by the Controller of Examination.
	Graduate Survey	Feedback for the betterment of the department.

Indirect Attainment Tools	Alumni Survey	Feedback for the improvement of infrastructure, library, placement activities, industry-academic interaction.
	Employer Survey	Expectations and the requirements to bridge the industry-academia gap.

Process of PO & PSO Attainment

Course outcomes are assessed through Continuous Internal Evaluation(CIE) and Semester End Examination (SEE). The analysis is done to find the level of attainments of each course COs. The attainment of POs and PSOs are being calculated based on the Cos attainment. For indirect assessments, survey questionnaire is circulated to students, alumni and employer. The surveys are assessed and evaluated to determine the strength of attainment level of POs/PSOs. Survey results from graduates, alumni, and employer are consolidated and the final PO values are calculated through 3-point scale (Very Good, Good, Satisfactory). Overall attainments of POs are calculated by taking 80% of direct attainment and 20% of indirect attainment. If the POs and PSOs attainment value is below the target, an essential remedial action has been taken.

Calculating PO attainment for direct method

The PO attainment is calculated by using the predefined CO/PO matrix and the value of Final CO attainment for the subject

The PO attainment is calculated by using the formula

PO attainment = Avg, of CO's of a PO /3 X Final CO attainment for the subject

For Example:

if you want to calculate the PO attainment value for PO1 in the below table

PO attainment for PO1 = (Avg. of CO's for PO1 / 3) X 2.96

PO attainment for PO1 = **2.91**

CO Attainment Level				
S.No	CO's Number	CIE	SEE	LEVEL
1	CO1	3	2.94	2.96
2	CO2	2.97	2.94	2.95
3	CO3	2.88	2.94	2.92
4	CO4	3	2.94	2.96

5	CO5	3	2.94	2.96
6	CO6	2.59	2.94	2.80

PO Attainment for PO1= (2.96*3+2.92*3+2*2.96+3*2.8)/11

= 2.91

Calculating PO Attainment (Direct Attainment)														
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	1	2					2				3		3
CO2		2	3	2		3				3		3		
CO3	3	3		1	3									3
CO4	2		3	3	2	2	2		3				3	
CO5		3	2		3			2					3	
CO6	3	3		1	3									3
Average	2.75	2.4	2.67	1.75	2.75	2.5	2	2	3	3	0	3	3	3
PO Attainment	2.91	2.91	2.96	2.95	2.91	2.95	2.96	2.96	2.96	2.95		2.96	2.96	2.89

Indirect Method Calculation

This method is purely survey oriented, So the calculations are based on data and surveys collected from the following

- Graduate Exit Survey
- Alumni Survey
- Employer Survey

The indirect program attainment is calculated by using the formula

Indirect program attainment = Sum of levels of attainment of a PO / 3

For Example, to calculate indirect program attainment for PO1

PO1 attainment = 2.61+2.33+1.78 / 3

PO1 attainment = 2.24

Survey	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Graduate Survey	2.61	2.39	2.5	2.31	2.5	2.5	2.47	2.84	2.58	2.53	2.5	2.45	2.56	2.61
Alumni Survey	2.33	2.69	2.15	2.66	2.15	2.57	2.18	2.84	2.08	2.43	1.23	1.45	2.56	2.66
Employer Survey	1.78	2.91	2.25	2.36	2.45	2.66	2.66	2.09	2.58	1.57	2.5	2.67	2.33	2.61
Indirect Attainment	2.24	2.66	2.30	2.44	2.37	2.58	2.44	2.59	2.41	2.18	2.08	2.19	2.48	2.63

2.6.2 -Attainment of Programme outcomes, Programme specific outcomes and courses outcomes are evaluated by the institution during the year

Describe the method of measuring the level of attainment of POs , PSOs and COs in not more than 200 words.

Upload relevant supporting document

S.No.	Description	Departments
S.V.U. College of Arts		
1	Programme Outcomes: Understand the gender roles and actively participate in the debates and discussions on feminist approach to development; Explain the gender and power relations and their impact on the family, society and other institutions; Utilize their knowledge to join in reputed National and International NGO's to serve the Women and children and the downtrodden people; Environment and Sustainability: Understand the issues of environmental contexts and sustainable development; Self-directed and Life-Long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes.	CWS
2	1. Developed creative independent thinking, research, criticism and analysis. 2. To acquired skills of ANOVA through the knowledge of Computer Practicals. 3. The students will well aware of our economy in micro level and macro level through the study of Econometric Applications	Econometrics
3	The departemnt follwos the specific scaling for the individual prograammes through Programme outcomes (PO) and Course Outcome (CO) for measuring the level of attainment. The measurement of level of attainment is possible through mapping the Programme Outcomes (12 points) to Course outcome (4 or 5 points) which are again having grades for the suitability of the POs and Cos. The outcome will be matched with assesmnet marks of the studnets in internal and end exams and thus CO attainemnt will be grades resulted in programmes performance.	Economics
4	Students are able to present their creative writings, They are using internet facilities and learning hindi software Srilipi, I-lipi, Unicode etc. Students are provided with knowledge and skills to get jobs as Hindi Officers in Central, State and private sectors.,	Hindi
5	Periodical Internal tests Periodical Semester end exams Periodical marks assessments	Performing Arts
6	POS 1. The Student has known the contents of Logic and Epistemology of Indian and western Philosophy. 2. The Student Understood the Ethics of western and Indian Philosophy 3. The Student should acquired the knowledge of Ethics and values and it's important to life 4. The Student has known the nature of classical Indian Philosophy. 5. The student has utilized the principles of Vedanta to get Mukti or liberation 6. The Student has explained the issues of Existentialism and Phenomenology PSO 1. The Student achieved the Problem solving skills of Life. 2. The Student developed high level of knowledge relating to Human Life. 3. The Student has won Junior Research Fellowship Examination. 4. The Student has got Debate and Discussion ability to become Lecturer 5. The Student has become a person of Excellence in Philosophy.	Philosophy

7	Programme Outcomes :- The Department of Physical Education provides an opportunity to the teacher, students to learn how to teach skills of all games along with fitness while making them Physically fit, mentally alert, socially sound, emotionally balanced and spiritually devine Programme Outcomes :- The programme of "Doctor of Philosophy" basis has created a rare opportunity for Research to improve standards of human excellence. This programme has a very high selection for opportunity to find highly talented individuals for research to scientific the society through their inventions Programme Specific Outcome:- May be the Department of Physical Education is the only one which brings out all the qualities hidden in the student to excel his own self for a better person. This program provides to make student teacher to teach and train a total personality of Physically fit, mentally alert, Mentally strong, emotionally balanced, spiritually devine and socially sound. So the specific out course is the people of total personality of prolonged healthy and fit living. This provides an opportunity to faster and pedagogy based an all round development of personality with critical though and action to lether oves own self.	Physical Education
8	The HODs meeting discusses the targets set for the attainment of POs, PSOs, and COs. In addition, they also discuss steps to increase the target level for achieving the stated outcomes. The Head of the Department and faculty members periodically review program specific outcomes and course outcomes by interacting with the students involved. This review is followed by discussions in the Departmental Committee meeting and the meetings of the Board of Study (BoS) in a specific subject/department. However, due to the limited time in a semester-based education system, it is challenging to achieve all outcomes and targets simultaneously. Therefore, the Department utilizes direct and indirect measurement tools to assess the extent to which course outcomes have been achieved. This method involves assessing the attainment of course outcomes through learning and their contribution to program specific outcomes and program outcomes.	Population Studies
9	1. Developed creative independent thinking, research, criticism and analysis. 2. To acquired skills of Journalism through the knowledge of Journalism and translation Courses. 3. The students will well aware of our native food custom and tradition and culture through the study of Folklore.	Telugu Studies
10	Students present their creative writings, They are using internet facilities.	Urdu
S.V.U. College of Sciences		
11	The department is taking keen steps to assess the outcomes of the programmes and course of the Department by periodical assessment in the form of seminars and group discussions. Further students who are lagging behind to reach desired level in the execution are provided with additional coaching. Besides this internal assessment and end-semester assessment are in place	Anthropology
12	Programme Objectives (POs): 1. Students of M.Sc. Anthropology should comprehensively understand the concepts and theories of major branches of anthropology i.e. Biological, Social and Archaeological anthropology. 2. Students should be familiar with approaches, techniques, methodology and study designs commonly used in anthropological research. 3. Awareness on value of anthropological knowledge in contemporary society, and the ability to apply it in solving social issues. 4. Learn about conducting population based fieldwork independently in collecting qualitative and quantitative data pertaining to the research work. 5. They should be aware of ethical principles and right to privacy and data protection.	Anthropology

13	Programme Specific Outcomes (PSOs): 1. Understanding culture as the distinguishing phenomenon of human life, and the relationship of human biology and evolution. 2. Awareness of human diversity and the ways humans have categorized diversity. 3. Knowledge of the significant findings of archaeology, cultural anthropology, and physical anthropology, and familiarity of the important issues in each sub-discipline. 4. Knowledge of the history of anthropological thought and its place in modern intellectual history. 5. Comprehension of migration, colonialism, and economic integration as significant phenomenon shaping global society. 6. Understand the importance of anthropological research in policy making and improving human life. 7. They should comprehensively understand the concepts and theories of Biological Anthropology 8. They should comprehensively understand the concepts and theories of Social Cultural Anthropology 9. They should comprehensively understand the concepts and theories of Archaeological Anthropology 10. A student of anthropology should be able to relate all the core and elective papers with each other and with overall health of populations 11. They should achieve the efficiency in detecting the major or social problems of society/populations. 12. They should themselves give research based feasible solutions related any aspect of human life.	Anthropology
15	Programme Educational Objectives (PEOs): 1. Students should be familiar with approaches, techniques, methodology and study designs commonly used in anthropological studies. 2. The students will be able to understand and apply the basic concepts like groups, institutions, organization and community in understanding of society and culture 3. They will also critically understand the various approaches to understand society and culture be able to understand how the knowledge of anthropology is important for health, business, ecology, psychology, media and public policy. 4. To understand the relevance of genetic data bases in human genetic research 5. Students will be able to draw genealogies and collect verbal as well as non verbal data. They would be able to prepare questionnaire and schedule to collect information on a specific topic and also organize and take notes in a focus group discussion. They will be able to explain the critical concepts of tribe caste, class, gender in understanding of Indian social reality	Anthropology
14	The overall course outcomes is evaluated in end of the each semester through syllabus, completion of syllabus, continuous evaluation (internal evaluation), setting up of question paper, evaluation and result. Identifying students who are lagging behind and arranging extra classes for them in collaboration with the Head of the Department and preparing for exams. The 75 percent of compulsory attendance to qualify for writing the examination of the courses is adhered to, to ensure students participation in the class.	Environmental Science
15	☑ Compare and discusses the formation of large scale landforms involving both exogenous and endogenous processes. ☑ Know how human, physical and environmental components of the world interact.	Geography
16	Students present their creative writings, They are using internet facilities and SPSS software. Students are provided with knowledge and skills to get jobs as counsellors, academic advisers etc., officers in de addiction centers, police counseling centers, central and state educational institutes.	Psychology
S.V.U. College of Commerce, Management and Computer Science		
17	After the conduct of internals, the feedback is provided to the students.	MBA

18	Response: Our Institution is SV University under college of SVU College of CM & CS, Tirupati. We offered Post Graduate and Research programs and courses under the Faculty of Science. For these programs and courses, the institute followed the curriculum designed by our university. The Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution and the same are communicated to the students in the formal way of the discussion in the classroom and departmental noticeboard. After measuring attainment of POs, PSOs and COs, it has been observed that the strength of the students as well as passing percentage of the students is increasing progressively. Besides, students' progression to the higher studies that is from Post Graduate to be increasing consistently and rapidly in the last five years. In a similar way, the ratio of students' placement is also increasing. We took utmost care of measuring the level of attainment of POs, PSOs and COs and followed formal as well as informal mechanism for the measurement of attainment of the outcomes. Subsequently, the College took care of the attainment to measure the POs, PSOs and COs and implemented the mechanism as follows:- • The institute followed the Academic Calendar of our university. • All the subject teachers maintained Academic Diary in every academic year. • All the subject teachers prepared Semester-Wise evaluation Reports. • Internal examination committee analyzed evaluation reports of results. • Institute considered Feedback from the Stakeholders for the attainment of PO, PSO and CO. • Placement committee took the review of the Students' Progression to Higher Studies and their Placement.	Computer Science
19	The Program outcomes of Master of Science & Applications are as follows: PO1: Students are introduced to community engagement and global understanding. PO2: Critical and creative thinking of the students have been developed. PO3: Students developed their Communication skills. PO4: Ethical values are inculcated among the students. PO5: Students received knowledge of the application of basic skills necessary for analysis of programs in Economics, Accounting, Marketing, Management and Finance. PO6: Understanding of the students is improved of national economic and business scenario. PO7: Students developed their entrepreneurship and contributed in the successful operation of a business. PO1: The students understood the fundamentals of science education. PO2: The students' knowledge in all basic sciences is enriched. PO3: Interdisciplinary approach among students has been developed. PO4: Sense of scientific responsibilities, social and environmental awareness have been inculcated among the students. PO5: Students built-up a progressive and successful career in academics and industry. PO6: Students are motivated to contribute in the development of Nation and community. Attainments of CO's are calculated by using university examination results. Attainment levels are finalized at college level and conveyed to IQAC through Internal Examination Committee. The attainment level of each CO is computed by setting weights as follows: Weight Benchmark 1 Number of students securing below 0% 2 Number of students securing above 1% to 5% 3 Number of students securing above 5% to 60% 4 Number of students securing 61% and above % The average attainment of COs of each course is mapped to POs & PSOs. Sample sheets of attainment of COs, PSOs and POs for M.C.A., M.Sc. and M.S. Data Science. Are attached in additional information.	Computer Science
S.V.U. College of Engineering		
20	Document Enclosed	Civil Engineering

21	Measuring Course Outcomes attained through Semester End Examinations (SEE) Target may be stated in terms of percentage of students getting equal or more than the target set by the Program in SEE for each CO. Measuring CO attainment through Cumulative Internal Examinations (CIE) Target may be stated in terms of percentage of students getting more than class average marks or set by the program in each of the associated Cos in the assessment instruments (midterm tests, assignments, mini projects, reports and presentations etc. as mapped with the COs) Assessment Tools used: 1) Sessional Examinations 2) Semester End Examination 3) Viva-Voce 4) Course end survey Table: Mapping of program outcomes with assessment tools	EEE
22	Course outcomes are assessed through Continuous Internal Evaluation(CIE) and Semester End Examination (SEE). The analysis is done to find the level of attainments of each course COs. The attainment of POs and PSOs are being calculated based on the Cos attainment. For indirect assessments, survey questionnaire is circulated to students, alumni and employer. The surveys are assessed and evaluated to determine the strength of attainment level of POs/PSOs. Survey results from graduates, alumni, and employer are consolidated and the final PO values are calculated through 3-point scale (Very Good, Good, Satisfactory). Overall attainments of POs are calculated by taking 80% of direct attainment and 20% of indirect attainment. If the POs and PSOs attainment value is below the target, an essential remedial action has been taken	CSE

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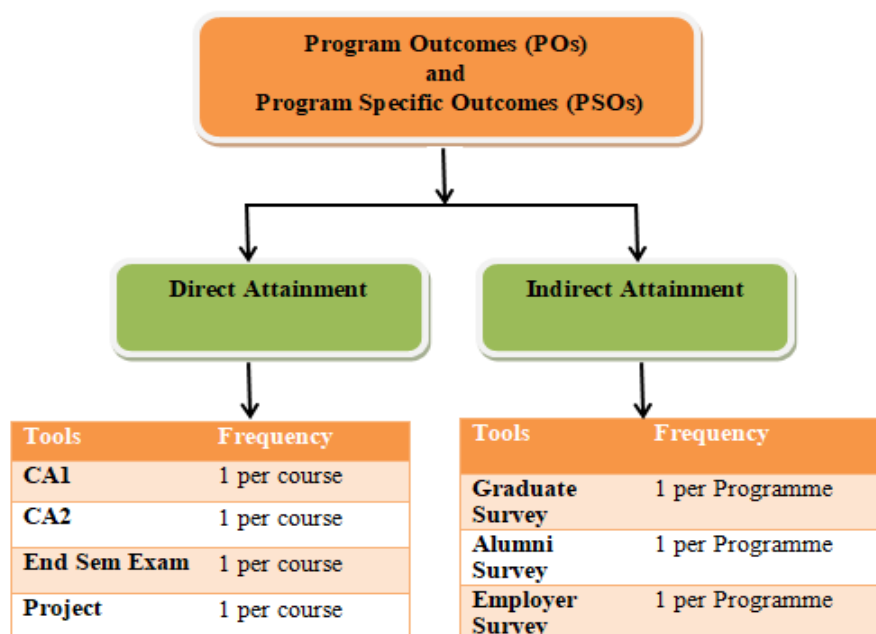


Table1 Assessment tools used for calculation of PO attainment

Assessment Tool Type	Assessment Tool Title	Tool Description
Direct Attainment Tools	Internal Assessments	Internal tests are conducted during every semester to award final CIE marks. These tests will prepare the students for the Semester End Examination.
	Internal Laboratory Test	During the semester, One laboratory test will be conducted and evaluation is done in that test. This test will enhance the confidence of students to face SEE practical examination.
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Process of PO & PSO Attainment

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Calculating PO attainment for direct method

The PO attainment is calculated by using the predefined CO/PO matrix and the value of Final CO attainment for the subject

The PO attainment is calculated by using the formula

PO attainment = Avg, of CO's of a PO /3 X Final CO attainment for the subject

For Example:

if you want to calculate the PO attainment value for PO1 in the below table

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PO attainment for PO1 = **2.91**

CO Attainment Level				
S.No	CO's Number	CIE	SEE	LEVEL
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2	CO2	2.97	2.94	2.95
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4	CO4	3	2.94	2.96

5	CO5	3	2.94	2.96
6	CO6	2.59	2.94	2.80

PO Attainment for PO1= (2.96*3+2.92*3+2*2.96+3*2.8)/11

= 2.91

Calculating PO Attainment (Direct Attainment)														
	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12	PS01	PS02
CO1	3	1	2					2				3		3
CO2		2	3	2		3				3		3		
CO3	3	3		1	3									3
CO4	2		3	3	2	2	2		3				3	
CO5		3	2		3			2					3	
CO6	3	3		1	3									3
Average	2.75	2.4	2.67	1.75	2.75	2.5	2	2	3	3	0	3	3	3
PO Attainment	2.91	2.91	2.96	2.95	2.91	2.95	2.96	2.96	2.96	2.95		2.96	2.96	2.89

Indirect Method Calculation

This method is purely survey oriented, So the calculations are based on data and surveys collected from the following

- Graduate Exit Survey
- Alumni Survey
- Employer Survey

The indirect program attainment is calculated by using the formula

Indirect program attainment = Sum of levels of attainment of a PO / 3

For Example, to calculate indirect program attainment for PO1

PO1 attainment = 2.61+2.33+1.78 / 3

PO1 attainment = 2.24

Survey	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PS01	PS02
Graduate Survey	2.61	2.39	2.5	2.31	2.5	2.5	2.47	2.84	2.58	2.53	2.5	2.45	2.56	2.61
Alumni Survey	2.33	2.69	2.15	2.66	2.15	2.57	2.18	2.84	2.08	2.43	1.23	1.45	2.56	2.66
Employer Survey	1.78	2.91	2.25	2.36	2.45	2.66	2.66	2.09	2.58	1.57	2.5	2.67	2.33	2.61
Indirect Attainment	2.24	2.66	2.30	2.44	2.37	2.58	2.44	2.59	2.41	2.18	2.08	2.19	2.48	2.63



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2.6.2: Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution

2.6.2 -Attainment of Programme outcomes, Programme specific outcomes and courses outcomes are evaluated by the institution during the year

2.6.2: Programme specific outcomes evaluated by the institution	
Name of the Department	Programme Specific Outcomes (PSOs)
Adult Education	1. To Know the Philosophised, Sociological and Psychological background of Adult Education and Learning. Identify the five years policy programmes and Teaching Learning methods (TLM) in Adult Education. 2. To Understand the Research Techniques and methods to Identify the problems in Adult Education class management and Learners Issues. To raise the Efficiency among students in field work. 3. To enhance the Level of skills to participate in grass root Level activities and Learning aspects and also visualise the need and Importance of guidance & counselling for Adult Learners. 4. To recognise the importance of human Resource in Adult Education Programmers and Identify the need of Environmental Protection and role of NGOS.
Rural Development	1. Obtain knowledge on all aspects of Rural Development in terms of Literacy, Education, Health, Housing, Sanitation, Economy, Agriculture. Rural Industries, Rural Technology and Service Sectors to encounter the problems and serve the Rural area. 2. Discover and analyse the Natural and Rural Resources like Land, Water, Vegetation, Live stocks, Mines, Human resources and their share in community and Nation Development. 3. Identify and investigate the causes of Rural backwardness and its impact amenities and employment in particular and people life general. 4. Facilitate and develop the rural people by following human resources index and using Natural resources. 5. Conduct Social Audit, Action Research, Case studies on social issues by adopting appropriate tools and methods to identify the social, economic and psychological problems of Rural people. 6. Construct Social network among Agriculture, Small Scale Industry, Banking Services, Micro finance, Marketing and Service Sectors which are part and parcel of Social Development. 7. Conduct awareness camps to safeguards the Soil, Water, Air by avoiding Pesticides, Chemicals in Agriculture management and provide strategies, methods to protect environment. 8. Inculcate moral values, Ethics and social responsibilities and towards gender disparities, social aspects and distribution of Natural Resources for sustainable development. 9. Develop team spirit to carry out Rural welfare programmes and identify the core problems on multiple aspects which are prevailing in Rural Community.

	10. Exchange Information and Ideas with Rural people to develop self-confidence in participation of Rural development programmes. 11. Enhance competency to prepare and implement the Rural projects for common man welfare and Rural Development. 12. Generate enthusiasm, curiosity and motivation towards Life Long Learning which is basic principle of Rural Development.
Archaeology	1. The department is specialized in teaching and research in Archaeology, Ancient and Medieval Indian History and Culture. 2. The courses are designed with an aim to impart knowledge and skills in Archeology, Ancient and Medieval Indian History, Andhra history, ancient world cultures and influences with emphasis on the study of political, social, economic, religious, cultural development and changes. 3. There are basic courses in core section on history which are thematic and cut across chronological divisions and regional polities. 4. The ancient history courses encouraged the study on sources for the study, evolution of social structures, economy, civilizations, religious traditions, cultural developments, political processes as well as historical geography and chronology. 5. Emphasis is also given to the study of Medieval history and culture with a focus on transition in Indian history from ancient to medieval and medieval to colonial period, through a reconstruction of structural continuities, regional polities, social and economic developments, as well as changes in the spheres of religion, culture and languages. 6. The courses dealing with archaeological studies provide basic concepts, theoretical training in field methods including process of archaeological investigation, excavation techniques, methods of Data retrieval, Chronology and Dating Methods, Prehistory, Proto-History, Historical Archaeology, Epigraphy, Numismatics, Art and Architecture. 7. The Tourism and Museology courses can equip the students with the solid foundation to build upon the fundamentals, useful skills and expertise that can assist employment in Tourism Industry and Museum.
SEAPS	1. Students get acquaint with the meaning, significance and application of Area Studies as a distinctive approach in international affairs 2. Comprehend multilateral approaches in global peace and conflict resolution processes as ways of dealing with national and international issues

	3. Apply both multidisciplinary and interdisciplinary research methods to deal with problems like traditional and non-traditional threats and challenges 4. Preparing students on topics like regional cooperation, international relations, globalization and national security
Tourism	1. Explain, apply and also demonstrate travel and tourism knowledge in a professional way for a successful career in the Tourism industry; 2. Communicate effectively using written, oral and nonverbal techniques, including the use of technology in the gathering and presentation of information; 3. Demonstrate their knowledge in launching Travel agency and usage of travel reservations and software skills.
Centre for Women Studies	1. Understand the Gender roles and actively participate in the debates and discussions on feminist approach to development; 2. Explain the Gender and power relations and their impact on the Family, Society and other Institutions; 3. Use the range of analytical and field-based skills, leadership skills with gender perspective which will equip them with professional careers as Entrepreneurs, Social Activists and Technocrats; 4. Apply their managerial skills to work independently, in groups so that they could transform themselves into job-ready candidates and achieve their career goals in an Egalitarian society. 5. Utilize their knowledge to join in reputed National and International NGOs to serve the Women and Children and the downtrodden people
Econometrics	1. The students will acquire additional specialisation through optional courses. 2. They will be able to use common software for analysis of economic data. 3. Besides, students will be able to execute in-depth analysis of economic issues based on their understanding of economic theory, which will not only widen their opportunities for employment, but also help them to pursue their doctoral studies.
Economics	1. To understand the basic principles of Economics. 2. To understand the distribution of income and wealth of the country. 3. To understand the trade relations among the countries 4. To analyse the economic doctrines of India. 5. To understand the various economic policies of the country. 6. To understand the efficiency and equity implications of Markets interference including government policy.

Education	1. Impact quality education to students for future teachers. 2. Develop a high degree of expertise in all tools of teaching techniques.
English	1. The students acquire knowledge in English Language, Linguistics, Literature, Communication and Soft Skills 2. The students are honed for employment/further research 3. They are equipped with life skills, values, ethics and rhetoric. 4. Human values are taught through literature 5. The Students are able to appreciate literary works not only in English, but also globally produced literatures.
Linguistics	1. The students understand the basic concepts of Linguistics and ability to analyze General Historical, Comparative, Interdisciplinary and Applied Linguistics Perspectives. 2. The students will be exposed to alternative approaches on pronunciation, sentence Formation, dictionary making through exposure to course work in allied fields and ability to suggest and solve various Language and Linguistic problems.
Hindi	1. Other than Core Courses student has to opt any one out of three compulsory foundations 2. and one from two Elective Foundation along with additional Audit Course for Zero credits 3. in I and II semesters. In III and IV semester student has to opt two Generic Elective Course 4. out of four in each semester, along with Mandatory paper of Skill Oriented and 5. Multidisciplinary Course in each semester, and they has to opt minimum one Open
History	1. The courses of the department of History are designed with an aim to impart knowledge and skills in Ancient, Medieval and Modern Indian History, Andhra history, world history, contemporary history with emphasis on political, social, economic, religious, cultural developments, policies and changes. 2. There are basic courses in core section on history which are thematic and cut across chronological divisions and regional polities. 3. The ancient history courses encouraged the study on sources for the study, evolution of social structures, economy, civilizations, religious traditions, cultural developments, political processes as well as historical geography and chronology. 4. Emphasis is also given to the study of Medieval history and culture with a focus on transition in Indian history from ancient to medieval and medieval to colonial period, through a reconstruction of structural continuities, regional polities, social and economic developments, as well as changes in the spheres of economic development, religion, culture and languages.

	5. The courses of historiography and historical methods intended to familiarize the students with approaches to historical studies with a focus on prominent historians and on the development of historical writing in modern India. 6. The courses of contemporary history of India and world help the students to understand global relations and perspectives. 7. The Tourism, skill development and science and technology courses can equip the students with the solid foundation to build upon the fundamentals, useful skills and expertise that can assist employment in Tourism Industry. 8. The curriculum makes it possible for students to have comprehensive knowledge in History so as to enable them to clear competitive exams like UPSC, UGC NET, SET and take up teaching and research careers with confidence.
Human Rights and Duties	1. The Post Graduate Programme in Human Rights is designed to provide advanced Human Rights knowledge, perspectives and skills to wide cross sections of the learners. 2. Choice Based Credit System curriculum of this course is very inclusive and has offered choice to the students to select electives/optional from other disciplines. 3. The nature of this course is choice based as well as theoretically and practically relevant which offered job opportunities in the teaching, research and NGOs sectors to the learners.
Law LLB	1. BA LLB or Bachelor of Legislative Law is an undergraduate degree, which focuses on integrating knowledge regarding law and other subjects to the candidates. Students are also introduced to law case studies, which will help them practice for their career in the law field. 2. To train learners for better performance in various competitive examination Judicial and UPSC, APPSC etc., 3. To enable the learners to acquire and develop self- study habits and case studies. 4. To facilitate Higher education & research in Law.
Law LLM	1. This programme focuses on integrating knowledge regarding law and other subjects to the candidates. Students are also introduced to law case studies, which will help them practice for their career in the law field. 2. To train learners for better performance in various competitive examination Judicial and UPSC, APPSC etc., 3. To enable the learners to acquire and develop self- study habits and case studies. 4. To facilitate Higher education & research in Law.

Library Science	1. Get the skills and knowledge on Competitive exams, National and State level eligibility tests and other equivalent competitive examinations in the field of Library and Information Science. 2. Ability of getting employment as Librarian, Information Officer, Knowledge Manager, Digital Archivist, Trainer on ICT, Information Managers, and many more positions in Government, Inter Government, Private and Corporate Administration. 3. Attain the complete professional skills and abilities for organizing information systems and services.
Performing Arts	1. Help Students to obtain All India Radio grades in Classical, Devotional and Light music categories and T.V. Programs 2. Able to perform various roles like music performance anchoring announcing in various Medias and Provide Knowledge and skill to establish audio recording theatres. 3. Helpful to get job opportunity as Music Teachers in Government and government aided Schools Lecturers in Government/ Aided Colleges and also Teachers in Central Government Schools. 4. Help students to achieve higher ranking in music performing arena.
Philosophy	1. The Student achieved the Problem solving skills of Life. 2. The Student developed high level of knowledge relating to Human Life. 3. The Student has won Junior Research Fellowship Examination. 4. The Student has got Debate and Discussion ability to become Lecturer 5. The Student has become a person of Excellence in Philosophy 6. The Student has become Eminent Scholar in Philosophy
Physical Education	1. May be the Department of Physical Education is the only one which brings out all the qualities hidden in the student to excel his own self for a better person. 2. This program provides to make student teacher to teach and train a total personality of Physically fit, mentally alert, Mentally strong, emotionally balanced, spiritually devine and socially sound. So the specific out course is the people of total personality of prolonged healthy and fit living. This provides an opportunity to faster and pedagogy based an all round development of personality with critical though and action to lether oves own self.
Political Science	1. To inculcate theory and practical knowledge together. 2. To include Scientific Zeal and enable them for Sociological enquiry. 3. Conjecture of Science and Social Science Research Aptitude. 4. To mould them with Trans –disciplinary understanding for Lifelong Learning.
Population studies	1. Familiarize the concepts of basic demography, theories, policies and programmes and its effect on size, growth, components and structure of population.

	2. Demonstrate an understanding of multidisciplinary aspects of population studies focusing on sociology, psychology, statistics, economics, community health, geography and gerontology. 3. Acquire skills in conducting independent surveys and techniques to collect, compile, analyze and report on population related aspects. 4. Critically analyze the population issues in relation to development and giving scientific solution to the problems 5. Involve and get trained in organising extension programmes by conducting various awareness programmes on small family norm, gender issues, environment, health, population education and human trafficking 6. Acquire knowledge on field work, team work and NGO management.
Social Work	1. Discover the knowledge on Social Work Theories and Practices and, demonstrate its methods with Individuals, Families, Communities, Community Organization and Social Welfare administration 2. Develop skills to demonstrate values and ethics of Professional Social Work practice by working with diverse and vulnerable population 3. Carryout evidence-based research on contemporary issues and applies suitable interventions to solve the problems of the people 4. Identify various Laws, Legislations, Policies and programmes at State, National and International levels related to welfare and recommend future policies for implementation 5. Obtain knowledge on specialized fields like Counseling, Medical and Psychiatric Social Work, Gerontology, Human Resource Management and Industrial relations that provides an employment opportunity in various fields 6. Acquire professional skills and abilities that train them challenges to tackle in their own life and career 7. Capability of conducting independent research on burning social issues, with relevant interventional programmes so as to give scientific solutions to the problem.
Sanskrit	1. The students get knowledge in Sanskrit language, literature, Grammar linguistics and communication skills. 2. The students get market vendor for employment and further research. 3. The students acquire knowledge in values, ethics and rhetoric 4. The students become more human beings with an compare to other people 5. To practice Indian culture is over Indian life.
Sociology	1. To inculcate theory and practical knowledge together 2. To include Scientific zeal and enable them for Sociological enquiry

	3. Conjecture of Science and Social science Research Aptitude 4. To mould them with Trans-disciplinary understanding for lifelong learning
Tamil	1. Provide Knowledge and skill to explore and excel in the world of poetry, authoring novels etc., and thus contributing more to the Tamil language and literature. 2. Encourages students to take up research in the topic of their interest as this program 3. presents them with an overall view of and various facets of Tamil language. 4. Develops Critical thinking and reasoning abilities of the students and transforms students 5. In to better humans to have a positive impact on society.
Telugu	1. Developed application skill through the knowledge in the Telugu Literature and Culture along with folk and resanal literature. 2. Acquainted synthesis and analysis skills through the study of literary criticism. 3. Have getting evaluative ability through the study of short Stories, Navels and Dramas. 4. Imbibing the morals, ideals and culture through the study of classical Literature. 5. To become good human beings through the study of Telugu Literature. 6. Equipped good Language skills through the study of Telugu Language and Literature. 7. To Generate good teacher and researcher skills through the study Telugu courses.
Urdu	1. Understanding of Dakani, Moderns Dakani and Regional literature. 2. Knowledge of writing critical essays and news for Urdu Mass Media. 3. Ability to write creative writings in forms of prose and poetry. 4. Pursuing further education in Journalism and Translation
Anthropology	1. Understanding culture as the distinguishing phenomenon of human life, and the relationship of human biology and evolution. 2. Awareness of human diversity and the ways humans have categorized diversity. 3. Knowledge of the significant findings of archaeology, cultural anthropology, and physical anthropology, and familiarity of the important issues in each sub-discipline. 4. Knowledge of the history of anthropological thought and its place in modern intellectual history. 5. Comprehension of migration, colonialism, and economic integration as significant phenomenon shaping global society. 6. Understand the importance of anthropological research in policy making and improving human life. 7. They should comprehensively understand the concepts and theories of Biological Anthropology 8. They should comprehensively understand the concepts and theories of Social Cultural Anthropology 9. They should comprehensively understand the concepts and theories of Archeological Anthropology

	10. A student of anthropology should be able to relate all the core and elective papers with each other and with overall health of populations 11. They should achieve the efficiency in detecting the major or social problems of society/populations. 12. They should themselves give research based feasible solutions related any aspect of human life.
Biochemistry	1. after completion of the M.Sc. Immunology, the students will be able to understand the pathogenesis of various human diseases and plant diseases. 2. The students will have the ability to develop innovative and efficient therapeutic regimes for human and plant diseases by applying their knowledge in molecular biology, genetics, immunology etc. 3. Students will have the technical expertise to analyse and identify the causative factors to the diseases.
Immunology	1. After completion of the M.Sc. Immunology, the students will be able to understand the pathogenesis of various human diseases and plant diseases. 2. The students will have the ability to develop innovative and efficient therapeutic regimes for human and plant diseases by applying their knowledge in molecular biology, genetics, immunology etc. 3. Students will have the technical expertise to analyse and identify the causative factors to the diseases.
Botany	1. Students acquire enhanced knowledge of the fundamental concepts of Botany and diverse groups of plants that differentiate them from each other. 2. Explain the general characters, classification, external and internal morphology, reproduction, life cycles, economic importance of different phylogenic plant groups including algal forms to Angiosperms. 3. Understand the principles and practices of advanced plant taxonomy and gain expertise in the field of Plant Identification 4. Understand in detail the physiological and metabolic processes of plants viz Plant development and growth, absorption and translocation of water and mineral elements, transpiration, photosynthesis, respiration. 5. Understand the symptoms of abiotic and biotic stress and molecular basis of tolerance and resistance respectively, and apply the knowledge in plant protection. 6. Understand the genetic basis of plant traits, gene expression and interaction, regulation in controlling plant development, reproduction, metabolic processes environmental interaction and Evolution. 7. Students will be able to relate the physical and chemical components of the environment to the morphological and anatomical structures and adaptation of plant populations, communities, and ecosystems. 8. Understand the Phytogeographical regions of India and Plant diversity, plant resources and their management and sustainable utilization.

	- Understand the advanced aspects of plant tissue culture, genetic engineering and genomics and their use in plant improvement - Acquire practical skills to learn about microscopic plant structures and perform experiments to demonstrate physiological, ecological processes and biochemical analysis of Macromolecules and Metabolites - Demonstrate proficiency in the experimental techniques and methods of analysis appropriate for their area of specialization viz., Pathology, Physiology, Phyto-medicine, Mushroom cultivation, Hydroponics and Horticulture. - Students are well aware of the latest research and innovations in basic and applied aspects of Plant sciences - Prepares students for further advanced studies, gain careers in academics, Research and Development, and Entrepreneurship in the plant field.
Biotechnology	- Acquire knowledge on the fundamentals of biotechnology for sound and solid base which enables them to understand the emerging and advanced biotechnology concepts in life sciences - Acquire knowledge in domain of biotechnology enabling their applications in industry and research
Analytical Chemistry	- Scientific Problem solving skills: Deep knowledge of the topic which can develop the problem solving skills using chemical principles. - Analytical skills: Develop analytical skills such as synthesizing, separating, characterizing chemical compounds and chemical reactions with the help of sophisticated instruments - Research skills: Develop research skills through dissertation/project work in different fields of chemistry such as organic, inorganic, analytical, physical and environmental. - Learning skills on life processes: Acquire advanced level of knowledge in natural products as well as biological systems from the chemistry point of view.
Environmental Chemistry	- Scientific Problem solving skills: Deep knowledge of the topic which can develop the problem solving skills using chemical principles. - Analytical skills: Develop analytical skills such as synthesizing, separating, characterizing chemical compounds and chemical reactions with the help of sophisticated instruments - Research skills: Develop research skills through dissertation/project work in different fields of chemistry such as organic, inorganic, analytical, physical and environmental. - Learning skills on life processes: Acquire advanced level of knowledge in natural products as well as biological systems from the chemistry point of view.

Inorganic Chemistry	1. Scientific Problem solving skills: Deep knowledge of the topic which can develop the problem solving skills using chemical principles. 2. Analytical skills: Develop analytical skills such as synthesizing, separating, characterizing chemical compounds and chemical reactions with the help of sophisticated instruments 3. Research skills: Develop research skills through dissertation/project work in different fields of chemistry such as organic, inorganic, analytical, physical and environmental. 4. Learning skills on life processes: Acquire advanced level of knowledge in natural products as well as biological systems from the chemistry point of view.
Organic Chemistry	1. Scientific Problem solving skills: Deep knowledge of the topic which can develop the problem solving skills using chemical principles. 2. Analytical skills: Develop analytical skills such as synthesizing, separating, characterizing chemical compounds and chemical reactions with the help of sophisticated instruments 3. Research skills: Develop research skills through dissertation/project work in different fields of chemistry such as organic, inorganic, analytical, physical and environmental. 4. Learning skills on life processes: Acquire advanced level of knowledge in natural products as well as biological systems from the chemistry point of view.
Physical Chemistry	1. Scientific Problem solving skills: Deep knowledge of the topic which can develop the problem solving skills using chemical principles. 2. Analytical skills: Develop analytical skills such as synthesizing, separating, characterizing chemical compounds and chemical reactions with the help of sophisticated instruments 3. Research skills: Develop research skills through dissertation/project work in different fields of chemistry such as organic, inorganic, analytical, physical and environmental. 4. Learning skills on life processes: Acquire advanced level of knowledge in natural products as well as biological systems from the chemistry point of view.
Environmental Sciences	1. By knowing pollution levels in the environment best possible fresh environment can be created in different methods like afforestation, natural parks and sanctuaries etc., for human concern. 2. Imparting practical knowledge about estimation of pH, Total Dissolved Solids, Hardness and Dissolved Oxygen, Chlorides and Sulphates in water samples. 3. Pollution free environment for human life will be achieved. 4. Applications of basic scientific principle in the evaluation of pollution by instruments. 5. Environmental potentiality will be achieved. This is indirect benefits to the society. 6. Discuss the solid waste collection systems, route optimization techniques and processing of solid wastes.

Fishery Science & Aquaculture	1. Identify and select sources of credible information in fish Nutrition and management 2. Apply and incorporate the principles of Aquaculture farming, nutrition, diseases, marketing, hatcheries and aquaculture by products and real world situations and problems
Geography	1. Compare and discusses the formation of large scale landforms involving both exogenous and endogenous processes. 2. Know how human, physical and environmental components of the world interact.
Geology	1. Learn the essential properties of Earth's components, including its core, mantle, asthenosphere, lithosphere, atmosphere, hydrosphere, and biosphere and also demonstrate mastery of the conceptual framework for understanding earth system processes and the development of earth's features overtime. 2. Acquiring geologic data in the field, laboratory, satellites and big data from data banks, analyzing and interpreting the data through application of scientific method. 3. Capable of applying advanced and current concepts and methods of the geosciences to formulate and solve complex geological problems. 4. Students are capable of understanding the impact of a geo-engineering solution in global and societal context. 5. Apply knowledge and techniques from allied fields, including mathematics, chemistry, physics, biology, geoengineering, and computing, to solve geological constraints in societal context.
Home Science FSND	1. Identify and select sources of credible information in Nutrition and dietetics. 2. Apply and incorporate the principles of nutrition and dietetics in community, hospital and real world situations and problems.
Home Science HDCW	1. Apply skills, knowledge and goal setting toward employment in the fields of early childhood education as pre-school teachers, pre-school coordinators and pre-school teacher trainers , as special educators in schools and colleges, as counsellors inschools and mental health institutions, and as supervisors and extension officers in Government and Non-government organizations catering to the welfare of children. The students also can establish centres for human welfare – crèche, Play centres, guidance and counselling centres, foster cares and day care centres for both children and elderly citizens. 2. The students of HDCW play an important role in protecting the wellness of individuals and communities. By working to design programs and implement interventions, they help to ensure that people are able to access the resources they need in order to reach their full potential. They help parents and community in early identification of developmental delays and behavior disorders among children and can suggest suitable referral services.
Home science EMCT	1. To raise the standard of living of the rural people by helping them in right use of their resources

	2. To train the students in extension techniques and communication technologies to enable them to transfer Home science information and technologies to rural families in such a way that people understand and adopt new ideas and improved methods for better family living.
Home Science Food Technology S	1. Identify and select sources of credible information and technologies in Food science and Food technology 2. Apply and incorporate the principles of Food science and technology in Food industry, Food research, Food quality and Community.
Mathematics & Applied Mathematics	1. To develop problem – solving skills and apply them independently to problems in pure and applied mathematics. 2. To assimilate complex mathematical ideas and argument. 3. To develop abstract mathematical thinking. 4. To improve own learning and performance.
Microbiology	1. Equips capacity to venture into a career in bio based industries as scientists or technologists in the division of production, research and developmental settings. 2. Demonstrate the concepts and research approach for their higher career in the field of microbiology and develop their scientific interest. 3. Administer skill sets to understand the rationales behind various regulatory/legal bodies governing the R&D in the industry. 4. Exhibit in-depth practical oriented knowledge to students in various thrust areas of microbiology, so as to meet the global demands of industry and academia. 5. Ability to designs aids in developing solutions for complex problems with appropriate consideration to the public health and safety, and the cultural, societal, and environmental considerations.
Industrial Microbiology	1. Equips capacity to venture into a career in bio based industries as scientists or technologists in the division of production, research and developmental settings. 2. Demonstrate the concepts and research approach for their higher career in the field of microbiology and develop their scientific interest. 3. Administer skill sets to understand the rationales behind various regulatory/legal bodies governing the R&D in the pharmaceutical industry. 4. Exhibit in-depth practical oriented knowledge to students in various thrust areas of industrial microbiology, so as to meet the global demands of industry and academia. 5. Ability to designs aids in developing solutions for complex problems with appropriate consideration to the public health and safety, and the cultural, societal, and environmental considerations.

Physics	1. Understand the basic and advance concepts of different branches of physics. 2. Perform and design experiments in the areas of electronics, atomic, nuclear, 3. Condensed matter, and computational physics. 4. Apply the concepts of physics in specialized areas of condensed, nuclear, renewable energies, particle physics, etc. in industry, academia, research and day to day life.
Instrumentation	1. Understand the basic and advance concepts of different branches of Instrumentation, Industrial and Electronics. 2. Perform and design experiments in the areas of Instrumentation, electronics, atomic and Controlling Circuits 3. Apply the concepts of Instrumentation in specialized areas of Sugar Industries, Irrigation methods in agriculture, renewable energies, Controlling Circuits etc. in industry, academia, research and day to day life.
Electronics	1. Understand the basic and advanced concepts of different branches of Electronics. 2. Perform and design experiments in the areas of electronics, Microcontrollers, Communications, Semiconductors Devices, and Programming. 3. Apply the concepts of electronics in specialized areas of VLSI technology, VHDL, Communications, etc.in industry, academia, research and day-to-day life.
Psychology	1. Students acquire enhanced knowledge of the fundamental concepts of Psychology and its applications from each other. 2. Understand the principles and practices of advanced psychology and gain expertise in the field of behavioural sciences 3. Students will be able to relate the physical and psychological determinants relevance to the human behaviour 4. Understand the advanced aspects of new trends in Psychology such as evolution & biological psychology
Counselling Psychology	1. Students acquire enhanced knowledge of the fundamental concepts of Psychology and its applications from each other. 2. Understand the principles and practices of advanced psychology and gain expertise in the field of behavioural sciences 3. Students will be able to relate the physical and psychological determinants relevance to the human behaviour

	Understand the advanced aspects of new trends in Psychology such as evolution & biological psychology
Statistics	- obtain sound statistical knowledge for data analysis and developing inferences. - To design and develop models for various phenomenon and obtaining optimal strategies. - To become a good data scientist. - To become competent to pursue research or a career in Statistics. - To inculcate scientific attitude and enriched with interdisciplinary and transdisciplinary applications of Statistics for developing sound decisions.
Applied statistics	- Understand the basic and advanced concepts of probability, distributions. - Perform and design experiments in the area of Bio-statistics, advanced Bio-statistics, Time series - Apply knowledge on software like Excel, SPSS and R software
Virology	- Demonstrate comprehensive knowledge and practical skills in the area of Virology starting from General Virology, Plant, Animal and Human Virology, Plant, Animal and Human Virus Diseases to advanced Molecular Virology, Applied Virology, Tumor Virology, Clinical Virology, Bio-safety and IPR, Virus Epidemiology and Disease management, Virus-Host-Vector interactions, Viral Vaccines, Emerging and reemerging Viruses, Virus-based Bio-nanotechnology that are relevant and required to create employment opportunities in academia and Pharmaceuticals and Biotech-based industries. - Develop knowledge and transferable skills in the fields of Biological Chemistry, Analytical Techniques, General Microbiology, Cell and Molecular Biology, Recombinant DNA Technology, Immunology, Molecular Techniques and Industrial Biotechnology with an introduction to Biostatistics and Bioinformatics to facilitate interdisciplinary research and for the participation and qualification in competitive examinations like GATE, UGC-CSIR-NET, APSET, GRE, Civil services and others. - Use knowledge and skills required for identifying problems and issues, collection of relevant quantitative and/or qualitative data, designing strategies for identification, characterization of important, emerging, and reemerging virus pathogens infecting microbes, plants, animals, and humans and for promoting national and international collaborative linkages with academic institutions, industries and research organizations for knowledge exchange and possible process/product development. - Gain in depth knowledge on the overall virus world and their characteristics such as history, origin, classification, nomenclature, etiology, structure, genome organization, transmission, multiplication, pathogenesis, epidemiology, strains, diagnosis and management of pathogenic viruses, which will help to design and develop affordable point-of-care diagnostics, novel prophylactic (vaccines) and therapeutic

	interventions to combat the infectious diseases caused by harmful viruses of microbes, plants, animals and humans. 5. Get exposure to open elective courses such as Tissue Culture, Mushroom Cultivation, Industrial Microbiology, Psychology, Aquaculture and Fishery Sciences, Medicinal and Ethno Botany, Hydroponics, Herbal drugs, Food and Nutrition etc., which will open new avenues and employment opportunities. 6. Acquire knowledge on foundation courses such as human and professional ethics, communicative English and basic computers and laboratory bio-safety measures, good microbiological practices (GMPs), IPR, human and professional ethical practices and principles, responsibilities and norms that need to be followed in personal and professional life to contribute to the welfare of the society and mankind.
Zoology	1. Develop deeper understanding of key concepts of zoology at molecular, cellular level, physiology and reproduction at organism level. 2. Describe the role of taxonomy and systematics in animal studies and gain in-depth knowledge of animals including invertebrates and vertebrates. 3. Learn the skills of handling various scientific equipment, designing and performing the laboratory experiments. 4. Communicate the importance of ecological factors, biodiversity, environmental conservation processes, pollution control and protection of threatened species to the society 5. Enhance their scientific temper and scientific thinking and exhibit creativity in designing, planning, problem solving, model making for various scientific concepts
Animal Biotechnology	1. To develop self-employable ability and to apply knowledge for pharmaceutical and Biotechnology industries; it will also provide employment to other dependents.
MBA	1. To imbibe the students with requisite domain knowledge, skills & right attitude necessary to provide effective leadership in a global environment. 2. To develop competent management professionals with strong ethical values, capable of assuming a pivotal role in various sectors of the Economy & Society. 3. To inculcate proactive thinking to ensure effective performance in the dynamic socio-economic and business ecosystem.
MCA	1. Demonstrate understanding of the principles and working of the hardware and software aspects of computer systems.

	2. Ability to understand the structure and development methodologies of software systems. Possess professional skills and knowledge of software design process. Familiarity and practical competence with a broad range of programming language and open-source platforms. 3. Be acquainted with the contemporary issues, latest trends in technological Development and there by innovate new ideas and solutions to existing problems.
MSCS	1. Demonstrate understanding of the principles and working of the hardware and software aspects of computer systems. 2. Ability to understand the structure and development methodologies of software systems. Possess professional skills and knowledge of software design process. Familiarity and practical competence with a broad range of programming language and open source platforms.
M.Com Regular	1. Familiarise the concepts of accounting and its branches-cost accounting and management accounting, finance, marketing, organizational behavior, managerial economics, quantitative techniques for business decisions and analyse the importance of these areas for placing business entity in right perspective. 2. Acquire knowledge in business environment and marketing and HR to design constructive strategies for better prospects of business in the changing socio-economic and political conditions. 3. Examine critically the accounting standards and reporting so as to evolve an effective accounting and reporting system. 4. Diagnose the human behavior in organizational settings and involve in groups and teams with enthusiasm and also recognize the importance of human and professional ethics in human life and corporate life as well. 5. Understand the value of marketing, sales promotion techniques and learn how to prepare financial statements on accounting inventory bases through tally accounting software and also acquire skills in becoming good entrepreneurs. 6. Acquire knowledge in the field of tax planning and management, personality development, e-commerce, international financial management, e-banking operations and obtain skills in the field of cost and management accounting for arriving at concrete decisions for prosperity of business.
M.Com (A&F)	1. Perceive the framework of OB, HRM, marketing, finance and other functional areas of management. 2. Acquire knowledge in the field of financial management and get knowledge in different tools and techniques of FM. 3. Examine critically the accounting standards and reporting so as to evolve an effective accounting and reporting system.

	4. Diagnose the different aspects relating to IFM, SAPM, financial engineering and investment management. 5. Understand the value of marketing, sales promotion techniques and learn how to prepare financial statements on accounting inventory bases through tally accounting software and also acquire skills in becoming good entrepreneurs. 6. Secure wisdom in the field of tax planning and management, personality development, e-commerce, international financial management, e-banking operations and obtain skills in the field of cost and management accounting for arriving at concrete decisions for prosperity of business.
M.Com (FM)	1. Understand the framework of OB, HRM, marketing, finance and other functional areas of management. 2. Obtain knowledge in the field of financial management and get knowledge in different tools and techniques of FM. 3. Examine critically the accounting standards and reporting so as to evolve an effective accounting and reporting system. 4. Diagnose the different aspects relating to IFM, SAPM, financial engineering and investment management. 5. Understand the value of marketing, sales promotion techniques and learn how to prepare financial statements on accounting inventory bases through tally accounting software and also acquire skills in becoming good entrepreneurs. 6. Acquire knowledge in the field of tax planning and management, personality development, e-commerce, international financial management, e-banking operations and obtain skills in the field of cost and management accounting for arriving at concrete decisions for prosperity of business.
B.Pharmacy	1. Have adequate knowledge and scientific information regarding basic principles of Pharmaceutical & Medicinal Chemistry, Pharmaceutics including Cosmeticology, Pharmacology, and Pharmacognosy including herbal medicines. 2. Be able to develop and assure the quality of various pharmaceutical dosage forms including those of herbal origin as per standards of official books, WHO and other regulatory agencies like USFDA, MHRA etc. 3. Be able to counsel the patients leading to physical and social well being and work as a team member of clinical trial. 4. Be able to do product detailing, marketing, distribution and selling of pharmaceutical products. 5. Be able to perform experimental procedures as per laboratory standards in the area of Pharmaceutics, Pharmaceutical Chemistry, Pharmacology and Pharmacognosy..

	6. Be able to perform research on various medical aspects and implement the Pharmaceutical knowledge in formulating the best suitable dosage form to provide high quality medicines to the society.
M.Pharm Pharmacology	1. Have adequate knowledge and scientific information regarding basic principles of Pharmacology, and Pharmacognosy including herbal medicines. 2. Be able to develop new dosage regimens including those of herbal origin as per standards of official books. 3. Be able to perform experimental procedures as per laboratory standards in the area of Pharmacology. 4. Be able to counsel the patients leading to physical and social well being and work as a team member of clinical trial. 5. Be able to perform research on various medical aspects and implement the Pharmaceutical knowledge in formulating the best suitable dosage form to provide high quality medicines to the society.
M.Pharm Pharmaceutics	1. Have adequate knowledge and scientific information regarding basic principles of Pharmaceutical & Medicinal Chemistry, Pharmaceutics including Cosmeticology. 2. Be able to develop and assure the quality of various pharmaceutical dosage forms including those of herbal origin as per standards of official books, WHO and other regulatory agencies like USFDA, MHRA etc. 3. Be able to apply the knowledge and skill gained from various subjects and the aptitude developed throughout the course of the program in performing a job either independently or as a member of a team in various fields of pharmacy profession. 4. Be able to perform research on various medical aspects and implement the Pharmaceutical knowledge in formulating the best suitable dosage form to provide high quality medicines to the society. 5. Render the services to the public by providing patient centric effective treatments to curb the therapeutic issues with the required medicines and explain the effects of the drugs by analyzing the scientific literature for improving their health and well-being.
IASE	1. Enable to comprehend the development in physical, cognitive, social and emotional areas, contemporary issues and educational policies of education system in India, teaching-learning methods, strategies, epistemological basis of education, school management, professional ethics and observation of school activities by school internship. 2. Understand the individual differences among students, measuring the attainment, evaluating progress, and assessing learning abilities, guidance programmes and administering psychological tools, ICT based Communication and teaching and lesson planning.

	- Practice teaching in Schools, inculcate the real experiences of classroom teaching and online teaching for remote areas' students by using ICT and its different tools and software. - Understand the classroom diversities and enable them to deal with diverse learners in inclusive - classroom setup, education for human rights and women empowerment, environmental education and developing online content.
Chemical Eng B.Tech	- To apply principles of conservation, thermodynamics, transport processes, reaction engineering and process control to analyze and design process equipment. - To possess good breadth in scientific and engineering knowledge so as to understand, analyze and to offer novel solutions to problems arising in today's rapidly changing increasingly technological global society - To participate in laboratory scale process development and scale up or scale down of processes. - To communicate effectively in both verbal and written forms.
Chemical Eng M.Tech	- To apply principles of conservation, thermodynamics, transport processes, reaction engineering and process control to analyze and design process equipment. - To possess good breadth in scientific and engineering knowledge so as to understand, analyze and to offer novel solutions to problems arising in today's rapidly changing increasingly technological global society - To participate in laboratory scale process development and scale up or scale down of processes. - To communicate effectively in both verbal and written forms.
Civil B.Tech Syllabus 2021-22	- Specify, Design, test and evaluate foundations and super structure for residences, public buildings, industries, irrigation structures, transportation amenities and environmental Engineering systems. - Development of state of art skills for using modern tools, as entrepreneur in the domain field or in multidisciplinary environment.
Civil M.Tech Geo technology	- To prepare programme graduates with foundation knowledge to perform analysis and design various structures and participate in quality control systems. - To provide programme graduates with entrepreneur skills to take up individual projects or work in teams in the field of structural engineering and in multidisciplinary environments. - To inculcate in programme graduates an interest towards research work in the relevant domain or appropriate domains for providing sustainable solutions to the Civil Engineering Problems.
Civil M.Tech Structural engineering	To prepare programme graduates with foundation knowledge to perform analysis and design various structures and participate in quality control systems.

	2. To provide programme graduates with entrepreneur skills to take up individual projects or work in teams in the field of structural engineering and in multidisciplinary environments. 3. To inculcate in programme graduates an interest towards research work in the relevant domain or appropriate domains for providing sustainable solutions to the Civil Engineering Problems
Computer Science B.Tech	1. An understanding of engineering and management principles and applying these as a member/leader in a team, in managing projects. 2. An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations. 3. An ability to apply knowledge of computing, mathematics, science and engineering fundamentals appropriate to the discipline
Computer Science M.Tech	1. An understanding of engineering and management principles and applying these as a member/leader in a team, in managing projects. 2. An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations. 3. An ability to apply knowledge of computing, mathematics, science and engineering fundamentals appropriate to the discipline
EEE B.Tech	1. Generate Transmit, Distribute, Control and Utilize electrical power effectively by analyzing and applying appropriate techniques and hardware/software tools. 2. Develop different electrical and electronics circuits/models using semiconductor and Power Electronic devices considering the environmental and societal needs
EEE M.Tech	1. Generate Transmit, Distribute, Control and Utilize electrical power effectively by analyzing and applying appropriate techniques and hardware/software tools. 2. Develop different electrical and electronics circuits/models using semiconductor and Power Electronic devices considering the environmental and societal needs
ECE B.Tech	1. Competence in analysis and design of analog and digital system using hardware and software tools. 2. Understand, analyse the present and future generations of wireless communication technologies.
ECE M.Tech Communication Systems	1. Competence in analysis and design of analog and digital system using hardware and software tools. 2. Understand, analyse the present and future generations of wireless communication technologies.
ECE M.Tech Signal Processing	1. Competence in analysis and design of analog and digital system using hardware and software tools. 2. Understand, analyse the present and future generations of wireless communication technologies.

Mechanical B.Tech	1. Graduates will able to analyze, solve and develop complex solutions in Mechanical Engineering field with ethical and environmental consciousness 2. Graduates will be able to build the nation by recognizing the needs of the society through technical concepts modern tools, managerial and entrepreneurial skills
Mechanical M.Tech Ind.Eng	1. Graduates will able to analyze, solve and develop complex solutions in Mechanical Engineering field with ethical and environmental consciousness 2. Graduates will be able to build the nation by recognizing the needs of the society through technical concepts modern tools, managerial and entrepreneurial skills
Mechanical M.Tech Prod.Eng	1. Graduates will able to analyze, solve and develop complex solutions in Mechanical Engineering field with ethical and environmental consciousness 2. Graduates will be able to build the nation by recognizing the needs of the society through technical concepts modern tools, managerial and entrepreneurial skills

2.6.2 -Attainment of Programme outcomes, Programme specific outcomes and courses outcomes are evaluated by the institution during the year

2.6.2: Programme outcomes evaluated by the institution	
Name of the Department	Programme Outcomes (POs)
Adult Education	1. Acquire knowledge in relation to types of education, policies of Adult Education aspects, Adult Psychology & Learning and Evaluation of Adult Education Programmes and progress. 2. Identify and Analyse the significance of Teaching Learning materials, Unique Curriculum and Vocational training for Adults to attend the Literacy classes. 3. Trace and Investigate the Problems of Adult Learners in terms of Socio, Economic and Cultural aspects and provide guidance & Counselling for Adult learners. 4. Design and develop materials and strategies for people participation in Community/ Mass Literacy programmes. 5. Conduct Social Research by using and adopting appropriate tools to identify the problems of learners, Teacher educators and ministerial staff in connection with literacy classes. 6. Recognise the Literacy importance skills and apply to social reforms and community development. 7. Inculcate enthusiasm towards literacy and Lifelong Learning among learners and its knowledge to clean the surroundings and protect the environment. 8. Identify the Literacy and continuing education role to enhance the individual perception towards ethics and values. 9. Find out the importance of teamwork to complete the task and literacy works and sustainable development. 10. Develop Communication skills which are essential to conduct and organise Adult Education programme by interact with the Adult Learners. 11. Describe the Project Planning and management by following POSDCORB Principle for effective implementation of Literacy classes and LLL. 12. Recognise the core principles of Life Long Learning with reference to Socio, Economic and Psychological development.
Rural Development	1. To Know the Philosophised, Sociological and Psychological background of Adult Education and Learning. Identify the five years policy programmes and Teaching Learning methods (TLM) in Adult Education.

	2. To Understand the Research Techniques and methods to Identify the problems in Adult Education class management and Learners Issues. To raise the Efficiency among students in field work. 3. To enhance the Level of skills to participate in grass root Level activities and Learning aspects and also visualise the need and Importance of guidance & counselling for Adult Learners. 4. To recognise the importance of human Resource in Adult Education Programmers and Identify the need of Environmental Protection and role of NGOS.
Archaeology	1. There are basic courses in core section on history which are thematic and cut across chronological divisions and regional polities. 2. The ancient history courses encouraged the study on sources, evolution of social structures, economy, civilizations, religious traditions, cultural developments, political processes as well as historical geography and chronology. 3. Emphasis is also given to the study of Medieval history and culture with a focus on transition in Indian history from ancient to medieval and medieval to colonial period, through a reconstruction of structural continuities, regional polities, social and economic developments, as well as changes in the spheres of religion, culture and languages. 4. The courses dealing with archaeological studies provide basic concepts, theoretical training in field methods including process of archaeological investigation, excavation techniques, methods of Data retrieval, Chronology and Dating Methods, Prehistory, Proto-History, Historical Archaeology, Epigraphy, Numismatics, Art and Architecture. 5. The Tourism ,Museology, Soft skill, Laboratory methods in Archeology, Science and Technology courses can equip the students with the solid foundation to build upon the fundamentals, useful skills and expertise that can assist employment in Tourism Industry, Archaeology and Museums. 6. The Department of Ancient Indian History, Culture and Archaeology [AIHC&A], Sri Venkateswara University, was established in 1993. The Department is offering two years Post-Graduation (M.A.) in AIHC & Archaeology, P.G. Diploma in Epigraphy (one year evening course) and Ph.D. Research programme encompassing all the specializations. The faculty members are specialized in the fields of Pre and Proto-History, political and cultural history, Epigraphy, Numismatics, Art, Architecture, Museology and Tourism.
SEAPS	1. The Programme on Southeast Asian and Pacific Studies (SEAPS) will enrich the students largely related to geographical, historical, political, economic, social and strategic engagement of India with the states of Southeast Asian and South Pacific countries.

	2. Educate the students with interdisciplinary outlook and multidisciplinary engagement on Southeast Asian region. 3. Encourage the students to focus on basic topics like, foreign relations, bilateral and trilateral, quadrilateral relations, economic ties, international treaties, conventions, regional and international organizations. 4. Students will acquire analytical knowledge in regional, international relations and conflict resolution issues and predict possible outcomes 5. Comprehensive understanding of Southeast Asian and Pacific region through multidisciplinary approach. 6. Students will identify research topics, collect source materials, review research literature, and analyze issues by reaching substantiated conclusions. 7. The teaching of various courses in SEAP studies will help the students to acquire Indian history, India's cultural and multilateral relations with neighbouring Southeast Asian region and India's status in global politics. 8. Gain expertise to examine and comment on regional, national and international issues pertinent to Southeast Asia and South Pacific 9. Apply contextual knowledge to assess economic, political, security, environment, legal and cultural issues of the study area 10. Relate ethical principles and apply professional ethics and responsibilities in International Relations. 11. Communicate effectively on different geopolitical issues with the learned community and write effective reports or articles pertaining to the Study area. 12. Demonstrate knowledge and understanding on the specific Area Studies and apply basic principles which are relevant to the professional career as a member or as a leader in multidisciplinary engagements.
Tourism	1. To equip students with a broad knowledge on the growth of tourism. 2. To encourage understanding and applicability of changing trends in tourism. 3. To describe the interrelationship between travel, tourism and hospitality industries. 4. To develop management skills and to provide necessary Administrative, Communicative, IT, product and Resource skills to effectively handle Tourism activities. 5. To acquire better and viable marketing and product innovation strategies. 6. To communicate key ideas in written texts and oral presentations 7. To adopt tourism practices locally and globally 8. To respect Indian heritage and apply ethical principles and follow environmental responsibilities for tourism conservation.

	9. To develop socially, responsible business leaders in Tourism development. 10. To Acquiring knowledge and develop the ability to work hard. 11. To promote entrepreneurial skills among students, for promoting a better ecosystem of business. 12. To recognize the need and use ability to engage in independent and life-long learning in the context of changing trends in tourism.
Centre for Women Studies	1. Creative Thinking: Development of creative thinking is a prime outcome of any P.G. Programme. Creative thinking enables students to think Creatively, Economically and Social. 2. Multiple Thinking: It enables students to think in Multiple dimensions such as Logically, Rationally, Scientifically, Politically and Economically. 3. Self and Long life Learning: Post Graduation course promotes Self and Long-life learning I n the broadest context of Socio, Economical changes. 4. Self-Learning: It improves the ability to engage in independent learning technics. 5. Effective Communication: Speak, Read, Write and listen clearly in person and through electronic media in English and in one Indian language and make meaning of the world by connective people, ideas, books media and technology. 6. Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings. 7. Effective Citizenship: Demonstrate empathetic social concern and equity-cantered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering. 8. Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them. 9. Environment and Sustainability: Understand the issues of environmental contexts and sustainable development. 10. Self-directed and Life-Long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes.
Econometrics	1. The Master of Arts programme in Econometrics has been designed with the objective to develop in-depth knowledge of students in frontier areas of economic theory and quantitative methods, so that they are able to use the knowledge to study real world economic problems. 2. The students will acquire additional specialisation through optional courses. 3. They will be able to use common software for analysis of economic data.

	4. Besides, students will be able to execute in-depth analysis of economic issues based on their understanding of economic theory, which will not only widen their opportunities for employment, but also help them to pursue their doctoral studies. 5. Understanding the basic assumptions in various econometric analysis, economic theories and enhance capabilities of developing ideas based on them Prepare and motivate students for research studies in Econometrics models especially by developing questionnaire, collecting primary data through field surveys. 6. Provide knowledge of a wide range of econometric techniques using excel or other statistical software. 7. To gained and evaluate Econometric Methods such as OLS, LPM, Logistic regression analyses and conclude using SPSS Package and Students will be able to write programme for Simple statistical analyse and interpret through R-programming. 8. Motivate students to extract or utilize different websites for secondary data collection, generating concepts for various facets of econometrics studies and gather latest information provided by various Universities, UGC, ICSSR and other websites. 9. Motivate students in preparing for various competitive examinations, NET, SLET, Indian Economic Service etc., by developing or gaining value addition day by day by giving assignments, by following a routine or developing discipline / concentration etc. 10. The Department assesses the knowledge and competence levels of the students at the time of their entry into the post graduate programme so that the instruction could be geared to their needs and capabilities, and necessary remedial measures are adopted for the benefit of the slow learners. 11. The student should acquired the knowledge with facts and figures related to various aspects in day- to-day life. 12. When you graduate with a Master of Arts (Econometrics) you will have learned how to work at a high level of academic achievement
Economics	1. Creative Thinking: Development of creative thinking is a prime outcome of any P.G. Programme. Creative thinking enables students to think methodically with Economic and Social background. 2. Multiple Thinking: it enables students to think in Multiple dimensions such as Logically, Rationally, Scientifically, Politically and Economically. 3. Self and Longlife Learning: Post Graduation course promotes Self and Long-life learning in the broad context of Socio, Economical changes. 4. Self-Learning: It improves the ability to engage in independent learning technics.

	5. Effective Communication: Speak, Read, Write and listen clearly in person and through electronic media in English and in one Indian language and make meaning of the world by connective people, ideas, books media and technology. 6. Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings. 7. Effective Citizenship: Demonstrate empathetic social concern and equity-cantered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering. 8. Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them. 9. Environment and Sustainability: Understand the issues of economics in the context of environmental and sustainable development. 10. Self-directed and Life-Long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes.
Education	1. Creative Thinking: Development of creative thinking is a prime outcome of any P.G. Programme. Creative thinking enables students to think Creatively, Economically and Socially. 2. Multiple Intelligence : It enables students to think in Multiple dimensions of intelligence such as Logically, Rationally, Scientifically, Politically and Economically. 3. Investigation : It enables the students to apply the knowledge on research and other methods of data collection, analysis and interpretation on research and formulate valid conclusions and suggestions 4. Self-Learning: It improves the ability to engage in independent learning techniques. 5. Selection of tool : It enables the student in selection of the proper tool for the investigation of the problem 6. Social Interaction: Elicit views of the students and help them in interaction with the society and help reach conclusions in social groups 7. Environment and Sustainability: Understand the issues of environmental contexts and sustainable development. 8. Ethics: Recognize different values and ethics systems and self analyze including their own, understand the moral dimensions of their decisions, and accept responsibility for them. 9. Effective Citizenship: Demonstrate empathetic social concern and equity-cantered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering

	10. Effective Communication: Speak, Read, Write and listen clearly in person and through electronic media in English and in one Indian language and make meaning of the world by connecting people, ideas, books media and technology. 11. Self and Life long Learning: Post Graduation course promotes Self and Life-long learning In the broadest according to the context of Socio and Economical changes.
English	1. Imparts knowledge on English language studies, its history, and variety in a global context 2. Familiarizes students with multiple accents: British, American, Indian, African etc. 3. Instructs a scientific study of language through a study of Linguistics 4. Furthers students in an advanced level of Literary Studies, Comparative Studies and Translation Studies 5. Understand various genres, English and modes of linguistic and literary study. 6. Develop critical thinking with the aid of Classical and Contemporary Critical theories. 7. Makes the students on par with the best universities globally/nationally with highly relevant and frequently updated generic electives. 8. Creates an ambience where students can relate life with literature 9. Provides the necessary environment for the students to hone their literary, creative, critical, translation and research abilities 10. Students gain substantial domain knowledge so as to facilitate their success in a highly competitive environment like UGC NET, SLET, Group Services and the like. 11. Makes students employable in contemporary domains like content writing, BPO, advertising, news and mass media agencies. 12. Converts students into language trainers and personality developers which are much needed in multinational setups, software sectors and other industries in a sprawling global economy
Linguistics	1. Engaging Language and Linguistic knowledge: Applying the knowledge of Language and Linguistic structure 2. Problem Analysis: Identify Phonetics, Phonology, Morphology and Syntax – analyze different structures 3. Define structures: Identifying and difference between the structure of Phonemes, Morphemes, sentences and meanings. Identify Historical comparative Inter-disciplinary and Applied Linguistics areas. 4. Conduct investigation of Linguistic structures: Users use research based knowledge and research methods including design of structures, analysis and implementing of data and synthesis of the information to provide valid conclusions.

	5. Modern tool usage: Create, select, apply and usage appropriate techniques, resources and ICT tools including prediction and modeling to complex activities with an understanding of the limitations. 6. The Linguist and Society: Apply reasoning informed by the contextual knowledge to access Societal, health, safety, Cultural and language issues, the consequent responsibilities relevant to the practice. 7. Environment and sustainability: Understanding the impact of the professional Linguistic solutions in the Societal and environmental context and demonstrate the knowledge need for sustainable development. 8. Ethics: Apply ethical principles and commit to human values and professional ethics, responsibilities, norms of the language and Linguistic practice. 9. Individual and Team work: Function effectively as on individual, as a member or leader in diverse teams, in disciplinary settings. They are research works, Awareness programmes etc., 10. Communication: Communicate effectively on Linguistic activities of general, Interdisciplinary and applied areas, being able to comprehend and write effective reports, design documentation, make effective presentations give and receive clear instructions. 11. Project Management and Finance: Demonstrate knowledge, understanding of the language and Linguistic, management principles and apply these to once own work ,as a member and a leader in a team to manage projects in multi- disciplinary environments. 12. Life - long learning: Recognize the need and importance of the preparation and ability to engage in independent and life -long learning in the broadest context of language and Linguistic change.
Hindi	1. Knowledge of Basic of modern Hindi Poetry and its evolution as well as Critical understanding of Hindi Prose. 2. Knowledge about the importance of translation and their specialties, and Knowledge of terminology. 3. In the history of Hindi literature, the Knowledge of Ancient, Medieval and Modern literature will be obtained. 4. Critical understanding of contemporary Hindi Poetry and classical Knowledge of Hindi conceptual Literature and Language. 5. Comprehensive understanding of Ancient and Medieval Hindi Poetry along with Tradition and Development of Hindi Poetry. 6. Knowledge of Hindi computer and software and knowledge of mass media along with mass communication and Journalism, in Hindi. 7. Knowledge of comparative literature and various research methods. Knowledge of Hindi which will acquire in official level as official Language Hindi. 8. Knowledge of subaltern studies, Dalit and Women discourse will be obtained in Hindi Literature.

History	1. The students of the history acquire knowledge on Indian history of all periods, contemporary history world history and comparative analysis on global history.
Human Rights and Duties	1. Disciplinary Knowledge: Aptitude to manifest wide and extensive knowledge in the field of study and comprehension of one or more disciplines constitute part of postgraduate attributes including how other disciplines relate to the field of knowledge. An international perspective in the area of study also gives a wider learning of the subject. In the specialised course on Human Rights, the constant review and renewal of subject and courses assure coverage of recent developments. Quality education and training build a condition in which learning is exchanged, critically evaluated and used in contemporary situations with the aptitude to review, examine and integrate and utilize actual learning in the appropriate field. 2. Communication Skill: Classroom discussion and formal presentations render a suitable opportunity to sharpen oral communication and written assessment skills. They create ability to manifest ideas and thoughts in writing and orally to communicate confidently their viewpoints. By expressing adeptness to listen meticulously, they can read and write logically as well as give obscure information in explicit and succinct manner. With practice as a part of interdisciplinary team, students become able to choose and employ the proper form and methods of communication. 3. Critical Thinking: The ability to apply critical reasoning to issues through independent thought and informed judgment are important postgraduate attributes integrating information from a wide range of sources. The postgraduates are able to apply analytical thought to body of knowledge and critically evaluate ideas, arguments, claims, beliefs on the basis of empirical evidence from open-ended and reasoned perspectives. They become able to identify relevant assumptions or implications and formulate coherent arguments. 4. Research Related Skills: Research papers and other research tasks are expected to develop a degree of creativity, originality and discovery that benefits a postgraduate programme of the highest quality and to which students are encouraged. An ability is developed to undertake supervised research, including the design and conduct of investigations in a systematic, critical manner. Identification of appropriate problem and research questions, a critical analysis of the literatures, data analysis by using software and ICT, drawing logical conclusion are integral part of research skills. Postgraduate programme in Human Rights are designed to enhance skills in legal research and analysis, which are tested in all forms of assessment. All postgraduates demonstrate, through subject assessment, their ability to develop substantial research-based scholarship. Research related skill involves a sense of inquiry and capability

	for asking relevant questions, defining problems, articulation, ability to recognise cause and effect relationship, formulate hypothesis, and to report the result of experiment or investigation. 5. Self-Directed Learning: The demanding nature of postgraduate attributes requires effective time-management and an ability to work independently. The prior of programmes ensure that all postgraduates have developed the ability to work with relative autonomy which provides a foundation for future leadership roles. Ability to work and learn independently and effectively leads to generating innovative ideas in the changing environment to investigate problems and to have creative solution. Self-learning and application of competence in exploring also help in solving nonfamiliar problems. This leads to application of one's learning to real life situation and critical sensibility to lived experiences. Well-developed problem-solving abilities also contribute to flexibility of approach. 6. Ethical and Social Understanding: Profound respect for truth and intellectual integrity including the ethics of scholarship add to the ability to embrace values in conducting one's life and in formulating position about ethical problems from multiple perspectives appreciating environmental and sustainability issues. This postgraduate attribute fosters understanding of social and ethical responsibility and ability to apply ethical standards in order to attain unbiased and truthful actions in all aspects of life. It also involves appreciation of the philosophical and social contexts of a discipline with knowledge of other cultures and appreciation of cultural diversity. 7. Quality of Team Work: Team work, as postgraduate attributes, creates capacity to value and work effectively and respectfully with diverse team and to facilitate coordinated effort for a common cause. It involves training in mapping out tasks of a team, setting directions and formulating an inspiring vision. 8. After completion of this course, student would get job opportunities in the fields of teachings, research, NGOs and Governmental sectors. This course also helps students to qualify the NET/JRF and Competitive Exams MPSC/UPSC/Social Welfare Departments etc. 9. Investigation: Equip Knowledge to investigate on contemporary burning issues and problems of the community in a scientific way. 10. Design: Develop skills and scientific attitude in identification of problems, develop research design, carryout research, conduct case and interventional studies and prepare report by applying appropriate software. 11. Professionalism: Understand and discover the knowledge on organizational services and its aims acquire practical knowledge and experience by working with people and examine policy ideas and priority of the community through research and theoretical ideas by safeguarding ethics and values of social work
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	profession. Demonstrate to work in a thoughtful and systematic way, justify methods of working with a meaningful intervention, and apply skills by combine thinking using the senses. 12. Impacts of course on society and environment: Demonstrate immense impact on communities through awareness and empowerment programmes by applying relevant social work methods. Help people in solving personal, familial and societal problems through adjustment and adaptation by way of social justice. Able to organize various environments related programs sensitize the people on environmental issues in order to maintain public eco-friendly relations. 13. Life Long Learning: Associate in self-discipline and self-directed continues learning by involving in national and international professional organizations and thereby aims to improve the personal and professional development in social work methods.
Law LLB	1. The student should acquire the knowledge with various case laws related to various aspects of law. 2. When you graduate with a BA LLB Integrated Course you will have learned how to work at Courts, Law Firms, ADR's and NGO's. 3. The student understanding the basic legal concepts, Constitutional principles and Legal theories related to various Legal Phenomena and their relevancies in the day-to-day life and the apply Law Principles in Supreme Court, High Courts District Courts and Lower Courts, Quasi-Judicial Bodies Alternative Dispute Resolution Tribunals, CAT, Labour Courts, etc., dealing with Civil and Criminal Cases. 4. The student could apply the skills to deal with Civil, Criminal and Constitutional Matters. 5. The students analyzed and realized how developments in Law that will helps in the developments of the social sciences such as Political Science, Economics, Sociology. This approach will helps in providing better solution and new ideas for Legal Developments. 6. Attains knowledge in Constitution, Intellectual Property Rights, Civil and Criminal Laws, International Law, Commercial Laws, Practical Training and Moot Court. 7. Perform, Assess and implement practical techniques and procedure in their practical training in Moot Courts and analyses the facts of the case.
Law LLM	1. The student should acquire the knowledge with various case laws related to various aspects of law. 2. When you graduate with a BA LLB Integrated Course you will have learned how to work at Courts, Law Firms, ADR's and NGO's. 3. The student understanding the basic legal concepts, Constitutional principles and Legal theories related to various Legal Phenomena and their relevancies in the day-to-day life and the apply Law Principles in Supreme Court, High Courts District Courts and Lower Courts, Quasi-Judicial Bodies Alternative Dispute Resolution Tribunals, CAT, Labour Courts, etc., dealing with Civil and Criminal Cases.

	4. The student could apply the skills to deal with Civil, Criminal and Constitutional Matters. 5. The students analyzed and realized how developments in Law that will helps in the developments of the social sciences such as Political Science, Economics, Sociology. This approach will helps in providing better solution and new ideas for Legal Developments. 6. Attains knowledge in Constitution, Intellectual Property Rights, Civil and Criminal Laws, International Law, Commercial Laws, Practical Training and Moot Court. 7. Perform, Assess and implement practical techniques and procedure in their practical training in Moot Courts and analyses the facts of the case.
Library Science	1. Preparing the learners to acquire professional Skills, Information and Communication Technology Skills to get Job opportunities as teaching faculty in Library and Information Science departments and as Librarians in different types of libraries. 2. Making the learners to identify, formulate, review research literature and analyse different problems to reach conclusions using principles of library management. 3. Enabling the learners to design solutions for complex library problems in order to satisfy the various approaches of the users. 4. Motivating the learners to conduct investigations of multifaceted problems by applying research-based knowledge and different types of research methods including conducting of user studies and case studies in libraries, analysis and interpretation of data and synthesis of the information to get right solutions to the problems 5. Inspiring the learners to learn ICT skills, Retrieval of various Electronic Resources, Library Software 6. Making the learners to understand role of libraries and librarians in the society by conducting extension programs 7. Enabling the learners to understand the impact of libraries on society by conducting webinars on reading habit and its advantages for School children 8. Motivating the learners by applying ethical principles to maintain ethics in library profession 9. Making the learners as team members and leaders in discussion groups to discuss on various topics in the curriculum 10. Motivating the learners to conduct user studies and case studies in libraries and users for their dissertations and projects in multidisciplinary environments 11. Inspiring the learners to cultivate reading habit and enable them to increase their skills, Re-Skills and Upskills to become lifelong learners

Performing Arts	1. This Program will guide students and scholars on various aspects of learning, teaching, research and performance in music field. 2. This program will guide them to create self employment opportunity 3. Guide them to establish him and perform as a Musician and supporting Artist 4. Guide the students to establish him and perform as a Musician and supporting Artist 5. Help the students to achieve good marks in competitive exams like SET and NET 6. Motivate them to undertake research in Music 7. Help them to extend Music research to interdisciplinary and collaborative programs 8. This Program will make student's as professional performers 9. To give support for the students to become successful music teachers 10. Help the students to become Entrepreneurs in the field of Music. 11. Obtain capability to direct and compose Music for Drama, Dance,etc.. 12. Empower them to establish coaching centers for music as a self employment program
Philosophy	1. The Student has known the contents of Logic and Epistemology of Indian and western Philosophy. 2. The Student Understood the Ethics of western and Indian Philosophy 3. The Student should acquired the knowledge of Ethics and values and it's important to life 4. The Student has known the nature of classical Indian Philosophy. 5. The student has utilized the principles of Vedanta to get Mukti or liberation 6. The Student has explained the issues of Existentialism and Phenomenology
Physical Education	1. The Department of Physical Education provides an opportunity to the teacher, students to learn how to teach skills of all games along with fitness while making them Physically fit, mentally alert, socially sound, emotionally balanced and spiritually divine.
Political Science	1. Understanding of government institutions, electoral processes, and policies in a variety of countries around the world and the ability to compare the effectiveness or impact of various Political, Administrative arrangements across countries. 2. Knowledge of some of the philosophical underpinnings of modern politics and government and the legal principles by which Political, Administrative disputes are often settled. 3. Understand the changes in patterns of Political and Administrative behaviour, ideas and structures. 4. Assess how global, national and regional developments, public services and governance affect polity and society. 5. Develop the ability to make logical inferences about social and political, Administrative issues on the basis of comparative and historical knowledge.

	6. Knowledge of key theories and concepts, historical developments, organizations, and modern issues in international relations.
Population studies	1. Examine the levels and trends in population situation at regional and global levels and assess its impact on demographic, socio-economic and health aspects 2. Able to analyze the population situation for sustainable growth in the present scenario of India. 3. Ability to critically analyze the qualitative and quantitative data on contemporary population issues by conducting surveys and research, and thus providing scientific solutions. 4. Acquire skills in designing and conducting surveys at Micro to Macro level 5. Demonstrate to apply different statistical tools and techniques for conducting independent research and surveys. 6. Acquire knowledge as a team member by participating in extension and outreach programmes in the community as the department organises large number of extension programmes. 7. Able to acquire communication skills and interview techniques and present affectively on the issues of health, population education and Family Planning among the people. 8. Demonstrate professionalism in conducting independent research and surveys and gain experience by working with NGO's 9. Able to understand the consequences of population growth on environment and demonstrate on sensitive/complex issues prevailing in the society. (Gender equality, Health, Small Family Size, Maternal and Child Health, Immunization, Nutrition etc with special reference to Pandemic COVID-19). 10. Uphold ethical standards, responsibility in maintaining norms and confidentiality. 11. Apply learning skills and techniques acquired through theory and practical field experience to resolve contemporary issues. 12. To assess and solve the problems related to societal, health and safety issues using the professional skill learned
Social Work	1. Ability to demonstrate comprehensive knowledge and understanding the professional social work, social problems, social action and, social legislations in the context of social development 2. Illustrate the theory in to practice through social work methods in solving various problems and challenges of individual, group and community. 3. Equip Knowledge to investigate on contemporary burning issues and problems of the community in a scientific way 4. Develop skills and scientific attitude in identification of problems, develop research design, carryout research, conduct case and interventional studies and prepare report by applying appropriate software.

	5. Experiment different skills in conducting scientific studies, apply its finding into practice, if necessary with suitable interventional strategies. 6. Capability to involve effectively in diverse teams as a group and team member (Observation visits, Concurrent field work, Rural Camp, Study tour and Block Field work) will facilitate cooperative and coordinated efforts working together in the interest of common issues. 7. Critically analyze and express thoughts and ideas and present clear and precise information through verbal and nonverbal communication and presentation. Acquire skills to use ICT& IEC in different situations, demonstrate ability to access, evaluate and use of different information sources as applicable to professional needs. 8. Understand and discover the knowledge on organizational services and its aims acquire practical knowledge and experience by working with people and examine policy ideas and priority of the community through research and theoretical ideas by safeguarding ethics and values of social work profession. Demonstrate to work in a thoughtful and systematic way, justify methods of working with a meaningful intervention, and apply skills by combine thinking using the senses. 9. Demonstrate immense impact on communities through awareness and empowerment programmes by applying relevant social work methods. Help people in solving personal, familial and societal problems through adjustment and adaptation by way of social justice. Able to organize various environments related programs sensitize the people on environmental issues in order to maintain public eco-friendly relations. 10. Illustrate the professional principles of ethics and values like confidentiality, non-judgmental attitude, acceptance etc., and develop self-esteem levels in conducting one's-life. Capable of demonstrating the ability to identify ethical issues and values in all aspects of social work profession 11. Associate in self-discipline and self-directed continues learning by involving in national and international professional organizations and thereby aims to improve the personal and professional development in social work methods. 12. To assess and solve the problems related to societal, health and safety issues using the professional skill learned
Sanskrit	1. To impart knowledge on Sanskrit language studies its history and verity in a global context. 2. To create knowledge about Ithihasa and Puranic literature to instruct students in an advanced level of literary studies, comparative studies and translation studies. 3. To make the students on par with the best Universities globally/Nationally with highly relevant and frequently updated generic electives.

	4. To provide the necessary environment for the students to hone their literary creative, critical, translation and research abilities. 5. To convert students into language trainers and personality developers.
Sociology	1. Broader Theoretical base 2. Investigate Social Facts 3. Value based Evaluation 4. Dissemination of knowledge 5. Aptitude for project knowledge 6. To instil Social Zeal 7. New or original work 8. Conglomeration of science and social science 9. Change in knowledge 10. Change in Attitude 11. Change in Practice 12. Memorize and improvise
Tamil	1. This program will help students to learn and demonstrate their knowledge about the rich history of Tamil literature that has played a prominent role in cultural and societal development 2. This program will enable students to create, select, apply, adapt, and extend appropriate methodologies, resources while doing research and comparative study of literature of other languages with that of their own language. 3. This program aims to produce scholars in Tamil language having the ability to use appropriate knowledge and skills to identify, formulate, analyze, and solve societal and cultural issues besides contributing to language development. 4. This program will help students in expanding the boundaries of their knowledge on Tamil language through imparting knowledge on its literature, Grammar and History. 5. This program intends to motivate students to take up research in the field of Tamil language and will improve the competencies of students in the field of research on Tamil language. 6. Helps the students to gain the abilities to communicate with society at large. Such ability includes reading, writing, speaking and listening, and the ability to comprehend and write effective reports and thesis documentation, and to give and effectively respond to clear instructions. 7. Improves the ability of the students to grasp/learn other languages easily as they learn linguistics as part of the program.

	8. Students will be provided with an understanding of the roles and responsibilities of a civilian in the society, especially the primary role of protection of the public and the public interest. 9. Helps the students to extend Tamil research to interdisciplinary and collaborative programs through understanding of the interactions that Tamil literature has with the economic, social and cultural and environmental aspects of society 10. This program guides students to explore the vastness of the Tamil literature and imparts the skills that are necessary to take up and excel in the field of literature. 11. This program imbibes good ethics, values and morals and transforms students into better humans. 12. An ability to identify and to address their own educational needs to maintain their competence and to allow them to contribute to the advancement of knowledge.
Telugu	1. Outgoing students are acquired all fields of Knowledge in the relevant areas of Telugu programme. 2. Have acquired sufficient skills in the areas of Language and Literature. 3. Developed application skill, have through Knowledge in the literary and culture of Telugu Literature along with Folk and regional Literature. 4. Acquainted synthesis and analysis skills through the study of literary criticism. 5. Have getting evaluative ability through the study of short stories, Novels and Dramas. 6. Imbibing the morals, Ideals and culture through the study of Classical Literature. 7. Students become good human beings through the study of Telugu Literature. 8. Equipped good speaking and writing ability through the study of Telugu Language and Literature. 9. Developed effective communicative skills through the study of Telugu language. 10. Generated good teacher and researcher skills through the study of Telugu Courses. 11. Made good human beings in the society through to get the knowledge from the Telugu Programme. 12. Acquired better skills and knowledge in the fields of creative writing and Criticism.
Urdu	1. Overall Understanding the tradition and the dignity of Urdu literature. 2. Compete NET, SET and other competitive exams with Urdu as specialization. 3. Pursue research in Urdu language and literature. 4. Pursue further study in Urdu Journalism. 5. Differentiate among Classical, Modern and Dakani literature. 6. Write news reports and articles for Urdu mass media. 7. Teach Urdu language and literature in better manner in schools and colleges. 8. Understand the text analytically and critically.

	9. Ability to appreciate literature with critical analysis. 10. An understanding of relationship between literature and real life. 11. Write critical essays on creative writings. 12. Enrich the creative skills in forms of prose and poetry.
Anthropology	1. Understanding culture as the distinguishing phenomenon of human life, and the relationship of human biology and evolution. 2. Awareness of human diversity and the ways humans have categorized diversity. 3. Knowledge of the significant findings of archaeology, cultural anthropology, and physical anthropology, and familiarity of the important issues in each sub- discipline. 4. Knowledge of the history of anthropological thought and its place in modern intellectual history 5. Comprehension of migration, colonialism, and economic integration as significant phenomenon shaping global society. 6. Understand the importance of anthropological research in policy making and improving human life. 7. They should comprehensively understand the concepts and theories of Biological Anthropology 8. They should comprehensively understand the concepts and theories of Social Cultural Anthropology 9. They should comprehensively understand the concepts and theories of Archeological Anthropology 10. A student of anthropology should be able to relate all the core and elective papers with each other and with overall health of populations 11. They should achieve the efficiency in detecting the major or social problems of society/populations 12. They should themselves give research based feasible solutions related any aspect of human life.
Biochemistry	1. Students acquire knowledge in the chemistry of different biomolecules, which constitute living organisms including humans. Students also will have knowledge on the different physiological systems and their functions and disorders. 2. Students will get the ability and expertise to analyse the different biological, molecules, compounds at cellular and molecular level to understand their functions. 3. After completion of this program students will able to investigate the causative factors of various diseases and disorders, pollutants, etc 4. The student will enable to design innovative protocols and devices which will have applicability in various fields of life sciences. 5. Students acquire knowledge in latest techniques and tools that are used for investigating different types of problems related to plant, animal and humans.

	6. The students will have the skills, knowledge and enthusiasm for solving different issues arising in the society scientifically. 7. Students will enable to understand the importance of environment and necessary to maintain pollution free environment. 8. To understand ethical principles, professional ethics and responsibilities and apply them to solve societal problems. 9. Students will have the efficiency to carry out the projects individually, as a team leader and as a team member. 10. Students will acquire communications skills to dissipate the scientific knowledge to the society 11. Students will acquire knowledge to carry out project and maintain financial requirements as per the guidelines of funding agency. 12. The students being lifelong learners will be enthusiastic to update their knowledge for improving the human life.
Immunology	1. Students acquire knowledge in the chemistry of different biomolecules, which constitute living organisms including humans. Students also will have knowledge on the different physiological systems and their functions and disorders. 2. Students will get the ability and expertise to analyse the different biological, molecules, compounds at cellular and molecular level to understand their functions. 3. After completion of this program students will able to investigate the causative factors of various diseases and disorders, pollutants, etc 4. The student will enable to design innovative protocols and devices which will have applicability in various fields of life sciences. 5. Students acquire knowledge in latest techniques and tools that are used for investigating different types of problems related to plant, animal and humans. 6. The students will have the skills, knowledge and enthusiasm for solving different issues arising in the society scientifically. 7. Students will enable to understand the importance of environment and necessary to maintain pollution free environment. 8. To understand ethical principles, professional ethics and responsibilities and apply them to solve societal problems. 9. Students will have the efficiency to carry out the projects individually, as a team leader and as a team member.

	10. Students will acquire communications skills to dissipate the scientific knowledge to the society 11. Students will acquire knowledge to carry out project and maintain financial requirements as per the guidelines of funding agency. 12. The students being lifelong learners will be enthusiastic to update their knowledge for improving the human life.
Botany	1. Scientific knowledge: Apply the advanced knowledge on plant diversity, their processes, environmental relationships, role in Global ecosystems, and fundamentals of other Life Sciences and Phytochemistry to solve the scientific problems of plant systems and their applications 2. Problem analysis: Identify the problems in plant systems functioning and their applications, formulate objectives, review literature, and analysis of scientific problems in reaching conclusions using principles of Botany and other related sciences viz., Biochemistry and Biophysics. 3. Investigation: Apply the knowledge based on research and other related investigative skills, including design of experiments, execution, data collection, analysis and interpretation to provide scientifically valid conclusions 4. Design & Development: Plan, design and develop methodologies using plant systems to solve food, health and environmental issues taking the safety and Eco-friendly conditions. 5. Modern tool usage: Design and select appropriate advanced tools for investigating the identified problem with an understanding of its working, applications and limitations 6. The Botanist & Society: Assess educate and solve the problems related to societal, Health, Agriculture and Environmental safety issues using the professional skills learned 7. Environmental and sustainability: Demonstrate the knowledge acquired for understanding the environmental issues and evolve methods for their sustainable management using plant systems 8. Ethics: Understand ethical principles, professional ethics and responsibilities, and apply them to solve societal problems, while using plant systems and Genetic modification 9. Individual & Team work: Function effectively as an individual / member of team/ team leader in solving different issues and efficient delivery of goods and services. 10. Communication: Effectively communicate on various scientific problems/ issues with in society, particularly with Botanists/peer group, related scientists, academicians and administrators, and writing of reports and design of presentations. 11. Project management & finance: Demonstrate acquired knowledge and skills and apply them to generate external funding and to manage the projects within the budget limitations

	12. Lifelong learning: Recognize the importance of continuous learning process throughout this life in view of rapid updating of Knowledge in Plant Biology and Technological changes that occur from time-to-time to reveal/manipulate plant processes.
Biotechnology	1. Demonstrate knowledge for in-depth analytical and critical thinking to identify, formulate and solve the issues related to Biotechnology Industry, Pharma industry, Medical or hospital related organizations, Regulatory Agencies & Academia. 2. Develop an ability to solve, analyze and interpret data generated from experiments done in project work or practical courses in reaching conclusions. 3. Apply the knowledge based on research and other related methods to investigate the problem and provide valid conclusions 4. Design and develop methods to measure experimental data by following ethical principles 5. Demonstrate skills to use modern analytical tools/ software/ equipments to design & develop experiments and analyze and solve problems in various courses of biotechnology. 6. Appreciate and execute their professional roles in society as biotechnology professionals, employers and employees in various industries, regulators, researchers, educators and managers. 7. Augment and demonstrate the knowledge acquired to address environmental issues and evolve methods for sustainable development 8. Adopt code of ethics in professional and social context and demonstrate exemplary professional, ethical and legal behaviours in decision making. 9. Execute responsibilities efficiently in solving different issues as an individual/ member of team/ team leader 10. Apply written and oral communication skills to communicate effectively in healthcare, industry, academia and research 11. Acquire basic and advance skills in in various fields of biotechnology for self-employment and entrepreneurship 12. Develop skills, attitude and values required for self-directed, lifelong learning and professional development.
Analytical Chemistry	1. Have a firm foundation in the fundamentals and application of current chemical and scientific theories in different areas of chemistry viz., Analytical, Environmental, Inorganic, Organic and Physical. 2. Understands the background of organic reaction mechanisms, complex chemical structures, and instrumental methods of chemical analysis, molecular rearrangements and separation techniques.

	3. Familiarize with the importance of various elements present in the periodic table, coordination chemistry and structure of molecules, properties of compounds, structural determination of complexes using theories and instruments. 4. Understand about the physical aspects of atomic structure, dual behavior, reaction pathways with respect to time, various energy transformations, molecular assembly in nano-level, significance of electrochemistry, molecular segregation using their symmetry. 5. Create awareness and sense of responsibilities towards environment and apply knowledge to solve the issues related to Environmental pollution. 6. Continue to acquire relevant knowledge and skills appropriate to professional activities and demonstrate highest standards of ethical issues in the subject concerned. Ability to identify unethical behavior such as fabrication, falsification or misrepresentation of data and adoptive objective, unbiased and truthful actions in all aspects. 7. Be skilled in problem solving, critical thinking and analytical reasoning as applied to scientific problems. 8. Clearly communicate the results of scientific work in oral, written and electronic formats. 9. Explore new areas of research in both chemistry and allied fields of science and technology. 10. Design, analyze and carry out scientific experiments and interpret data to provide solutions to different industrial problems. 11. Independently carry out research to solve practical problems and present a substantial technical report. 12. Ability to think, acquire knowledge and skills through logical reasoning and to inculcate the habit of self-learning throughout life, through self- paced and self- directed learning aimed at personal development, and adapting to change academic demands of work place through knowledge/ skill development/ reskilling.
Environmental Chemistry	1. Have a firm foundation in the fundamentals and application of current chemical and scientific theories in different areas of chemistry viz., Analytical, Environmental, Inorganic, Organic and Physical. 2. Understands the background of organic reaction mechanisms, complex chemical structures, and instrumental methods of chemical analysis, molecular rearrangements and separation techniques. 3. Familiarize with the importance of various elements present in the periodic table, coordination chemistry and structure of molecules, properties of compounds, structural determination of complexes using theories and instruments. 4. Understand about the physical aspects of atomic structure, dual behavior, reaction pathways with respect to time, various energy transformations, molecular assembly in nano-level, significance of electrochemistry, molecular segregation using their symmetry.

	5. Create awareness and sense of responsibilities towards environment and apply knowledge to solve the issues related to Environmental pollution. 6. Continue to acquire relevant knowledge and skills appropriate to professional activities and demonstrate highest standards of ethical issues in the subject concerned. Ability to identify unethical behavior such as fabrication, falsification or misrepresentation of data and adoptive objective, unbiased and truthful actions in all aspects. 7. Be skilled in problem solving, critical thinking and analytical reasoning as applied to scientific problems. 8. Clearly communicate the results of scientific work in oral, written and electronic formats. 9. Explore new areas of research in both chemistry and allied fields of science and technology. 10. Design, analyze and carry out scientific experiments and interpret data to provide solutions to different industrial problems. 11. Independently carry out research to solve practical problems and present a substantial technical report. 12. Ability to think, acquire knowledge and skills through logical reasoning and to inculcate the habit of self-learning throughout life, through self- paced and self- directed learning aimed at personal development, and adapting to change academic demands of work place through knowledge/ skill development/ reskilling.
Inorganic Chemistry	1. Have a firm foundation in the fundamentals and application of current chemical and scientific theories in different areas of chemistry viz., Analytical, Environmental, Inorganic, Organic and Physical. 2. Understands the background of organic reaction mechanisms, complex chemical structures, and instrumental methods of chemical analysis, molecular rearrangements and separation techniques. 3. Familiarize with the importance of various elements present in the periodic table, coordination chemistry and structure of molecules, properties of compounds, structural determination of complexes using theories and instruments. 4. Understand about the physical aspects of atomic structure, dual behavior, reaction pathways with respect to time, various energy transformations, molecular assembly in nano-level, significance of electrochemistry, molecular segregation using their symmetry. 5. Create awareness and sense of responsibilities towards environment and apply knowledge to solve the issues related to Environmental pollution. 6. Continue to acquire relevant knowledge and skills appropriate to professional activities and demonstrate highest standards of ethical issues in the subject concerned. Ability to identify unethical behavior such as fabrication, falsification or misrepresentation of data and adoptive objective, unbiased and truthful actions in all aspects.

	7. Be skilled in problem solving, critical thinking and analytical reasoning as applied to scientific problems. 8. Clearly communicate the results of scientific work in oral, written and electronic formats. 9. Explore new areas of research in both chemistry and allied fields of science and technology. 10. Design, analyze and carry out scientific experiments and interpret data to provide solutions to different industrial problems. 11. Independently carry out research to solve practical problems and present a substantial technical report. 12. Ability to think, acquire knowledge and skills through logical reasoning and to inculcate the habit of self-learning throughout life, through self- paced and self- directed learning aimed at personal development, and adapting to change academic demands of work place through knowledge/ skill development/ reskilling.
Organic Chemistry	1. Have a firm foundation in the fundamentals and application of current chemical and scientific theories in different areas of chemistry viz., Analytical, Environmental, Inorganic, Organic and Physical. 2. Understands the background of organic reaction mechanisms, complex chemical structures, and instrumental methods of chemical analysis, molecular rearrangements and separation techniques. 3. Familiarize with the importance of various elements present in the periodic table, coordination chemistry and structure of molecules, properties of compounds, structural determination of complexes using theories and instruments. 4. Understand about the physical aspects of atomic structure, dual behavior, reaction pathways with respect to time, various energy transformations, molecular assembly in nano-level, significance of electrochemistry, molecular segregation using their symmetry. 5. Create awareness and sense of responsibilities towards environment and apply knowledge to solve the issues related to Environmental pollution. 6. Continue to acquire relevant knowledge and skills appropriate to professional activities and demonstrate highest standards of ethical issues in the subject concerned. Ability to identify unethical behavior such as fabrication, falsification or misrepresentation of data and adoptive objective, unbiased and truthful actions in all aspects. 7. Be skilled in problem solving, critical thinking and analytical reasoning as applied to scientific problems. 8. Clearly communicate the results of scientific work in oral, written and electronic formats. 9. Explore new areas of research in both chemistry and allied fields of science and technology. 10. Design, analyze and carry out scientific experiments and interpret data to provide solutions to different industrial problems. 11. Independently carry out research to solve practical problems and present a substantial technical report.

	12. Ability to think, acquire knowledge and skills through logical reasoning and to inculcate the habit of self-learning throughout life, through self- paced and self- directed learning aimed at personal development, and adapting to change academic demands of work place through knowledge/ skill development/ reskilling.
Physical Chemistry	1. Have a firm foundation in the fundamentals and application of current chemical and scientific theories in different areas of chemistry viz., Analytical, Environmental, Inorganic, Organic and Physical. 2. Understands the background of organic reaction mechanisms, complex chemical structures, and instrumental methods of chemical analysis, molecular rearrangements and separation techniques. 3. Familiarize with the importance of various elements present in the periodic table, coordination chemistry and structure of molecules, properties of compounds, structural determination of complexes using theories and instruments. 4. Understand about the physical aspects of atomic structure, dual behavior, reaction pathways with respect to time, various energy transformations, molecular assembly in nano-level, significance of electrochemistry, molecular segregation using their symmetry. 5. Create awareness and sense of responsibilities towards environment and apply knowledge to solve the issues related to Environmental pollution. 6. Continue to acquire relevant knowledge and skills appropriate to professional activities and demonstrate highest standards of ethical issues in the subject concerned. Ability to identify unethical behavior such as fabrication, falsification or misrepresentation of data and adoptive objective, unbiased and truthful actions in all aspects. 7. Be skilled in problem solving, critical thinking and analytical reasoning as applied to scientific problems. 8. Clearly communicate the results of scientific work in oral, written and electronic formats. 9. Explore new areas of research in both chemistry and allied fields of science and technology. 10. Design, analyze and carry out scientific experiments and interpret data to provide solutions to different industrial problems. 11. Independently carry out research to solve practical problems and present a substantial technical report. 12. Ability to think, acquire knowledge and skills through logical reasoning and to inculcate the habit of self-learning throughout life, through self- paced and self- directed learning aimed at personal development, and adapting to change academic demands of work place through knowledge/ skill development/ reskilling.
Environmental Sciences	1. Describe programmes environmental protection by implementing eco-friendly for human existence.

	2. By knowing pollution levels in the environment best possible fresh environment can be created in different methods like afforestation, natural parks and sanctuaries etc., for human concern. 3. Imparting practical knowledge about estimation of pH, Total Dissolved Solids, Hardness and Dissolved Oxygen, Chlorides and Sulphates in water samples. 4. Inform, educate, and empower people about the potential hazards of toxic substances to environmental and human health. 5. They explain basic competence regarding environmental impacts arising from different energy carriers and technical solutions. 6. Pollution free environment for human life will be achieved. 7. Applications of basic scientific principle in the evaluation of pollution by instruments. 8. Environmental potentiality will be achieved. This is indirect benefits to the society. 9. Discuss the solid waste collection systems, route optimization techniques and processing of solid wastes. 10. Critically examine assumptions inherent in impact assessment, examine a range of environmental impact assessments and identify and explore impact assessment fields and approaches. 11. Understand requirement of oxygen for growth of organisms to break down organic matter in wastewaters. Rest and recreation to the public and income generation for the Government. 12. Explain the conservation of the environment by adopting bio treatment for waste degradation. Critically examining the gap in the resource availability, use and conservation. Describe the management of water resources through construction of watersheds for future generations. Evaluating the application of RS-GIS techniques to the matrices of environment and resource management.
Fishery Science & Aquaculture	1. Apply knowledge in Aquatic Ecology and ecosystem to understand the physical and chemical characteristics of water constituents their physico chemical and functional properties. To assess organic matter and recognize various biogeochemical cycles. Determine the dynamics of aquatic ecosystem and productivity. 2. Identify and understand different types of fishes and fin fish anatomy related to classification of commercially important crustaceans and mollusks up to sub class level and their salient features and distribution. Apply knowledge on shell fish anatomy and examine identification and morphology of cultivable organisms. 3. Design supplementary feeds applying the principles of food and feeding habits and nutrition to meet the challenges of nutritional problems. Describe fertilization and liming in aquaculture ponds, dynamics of dissolved oxygen, aeration and miscellaneous treatments to increase the production. Determination and estimation of total proteins, carbohydrates and lipids in aquatic feeds.

	4. Know nature of ethics, values, ahimsa, crime and theories of punishment and explain Bhagavad-Gita as student, researcher and aqua technician. Know Professional and social ethics as researcher, marketing, farming, community mentor, aqua business operator and hatcheries. 5. Apply appropriate methods of Aquaculture systems, selection, survey and location of suitable site, Aquaculture engineering, hydrology of ponds, selection of species, restocking management and stocking. Techniques of post stocking management and growth. Apply soil and water characteristics and physiology of finfish and shell fish. 6. Discuss digestion, respiration, excretion and osmoregulation, circulatory system, neuroendocrine system and reproduction. Describe bioluminescence, mating and parental care. Describe the culture of Indian major carps, exotic carps, air breathing fishes. Locate Hatchery management, Fresh water prawn and pearl culture. Predict Aquarium fishes and management. 7. Communicate effectively viral and bacterial diseases in finfish and shellfish. Nutrition and environmental stress diseases information in person and with community. Microbiology and fish pathology. Acquire skills in writing research report, documentation, case studies, seminar presentations, group discussions and marketing strategies. 8. Describe fish immunology and immunotechnology. Social and environmental dimensions within nutrition and the life sciences. Able to demonstrate the cell biology , genetics and immunology. 9. Know basic structure of cell and its organelles, chromosomes, principles of physico chemical basis of heredity, genetic rationale in fish breeding, natural hybridization and cytogenetics of fishes. 10. Apply knowledge on chemical composition of fish and shellfish, common bacteria present in fish, handling of fish. Prepare pharmacology chromosomal engineering and hormonal manipulation of genetics, recombinant DNA and Polymerase chain reaction and gene amplification. 11. Develop and design fish feeds, supplementary feeds, biomolecules enzymes metabolism and bioenergetics. Identify computer application and scope of biostatics and statistical analysis in an aquaculture. 12. Learn new concepts of fish breeding and hatchery management, limnology, Bioinformatics in aquaculture, General Principles and practices of Aquaculture, Ornamental fish Culture, fish processing technology, marine pollution.
Geography	1. To understand the concept of place and how it is connected to people's sense of belonging to the physical environment, landscape and culture. 2. The main outcome is students can able to select different projection for different geographical areas. 3. Explain the importance of advanced cartography in map making and presenting.

	4. Acquire good knowledge about different procedure of map making and various projection system of map making by developing broad knowledge about latitude, longitude, meridians, parallels etc. 5. Obtain the knowledge on fundamentals of atmospheric phenomena, global climate systems and climate change. 6. Understand the atmosphere and climate are a critical part of the earth system, and climatic variability and change are central to the issue of current and future global environmental change. 7. With the sound knowledge on the process, principles, effecting factors, techniques of Remote sensing student can understand interpretation of the data in much more accurate. 8. Explain the elements of weather maps and analyse and interpret the weather maps 9. Students can able to understand how to represent the data through different diagrams and graphs 10. Students will demonstrate an understanding of current research within the breadth of geography, as well as more in depth knowledge of research in their specialty areas. 11. Students will develop a solid understanding of the concepts of “space,” “place” and “region” and their importance in explaining world affairs. To Provide a comprehensive introduction to basic concepts and key theoretical approaches in economic geography To Introduce economic geography as a dynamic, diverse and contested body of knowledge 12. To enable you to apply this knowledge to key social and economic issues in the context of economic globalization
Geology	1. To develop an in-depth knowledge and skills in qualitative and quantitative research methods through laboratory, field and web modes of learning. 2. Recognize the need for sustainable use of earth resources, and value environmental, indigenous and other community perspective on geological activities. 3. Apply geological knowledge and critical thinking skills to identify a problem and to describe a strategy for handling. 4. Synthesize geological data on arrange of spatial and temporal scales to make interpretations that allow for scientific uncertainty. 5. Work effectively and professionally in multidisciplinary teams as a member and a leader and be able to manage and analyze complex ethical issues.
Home Science FSND	1. Apply knowledge in Food science nutrition and dietetics to understand the chemical components- nutrients and non-nutrient constituents their physico chemical and functional properties, spoilage, processing, preservation, packaging of different foods. To assess nutritional status of individuals in various life-cycle stages and determine nutrition-related problems and diseases by applying knowledge

	of metabolism and nutrient functions, food sources, and physiologic systems in community, hospital, and in any situations. - Identify and understand different problems related to food science, food microbiology, food adulteration and nutritional problems in different stages of life in health and disease- its consequences and dietary management and apply knowledge to tackle these problems. - Design food products applying the principles of food science and nutrition to meet the challenges of nutritional problems. - Conduct research in different fields of nutrition using human and animal models, designing new food products, food service establishments. - Apply appropriate techniques to design, process, preserve, analyze and authenticate the different components of foods and food products. - Function effectively in different facets as dietitian, quality control systems, food analysts, research and development, food product designing, different food service establishments, and policymaking - Communicate effectively Nutrition information in person and with community. Acquire skills in writing research report, documentation, case studies, seminar presentations, group discussions, and marketing strategies. - Describe social and environmental dimensions within nutrition and the life sciences. Able to demonstrate the National and International food laws, regulations and safety standards in application of food additives to ensure safe food. - Know Professional and social ethics as researcher, dietitian, community mentor, food business operator. - Apply knowledge of Nutrition and food science for sustainable development of the society in terms of socio cultural aspects, attitudes, and practice balanced diet in health and disease, food quality and safety regulations, food adulteration, food safety and hygiene. - Develop and design their own food business plan in terms of food business operators and food service establishments. - Learn new concepts of Nutrition science in global perspective and prepare themselves for lifelong learning process.
Home Science HDCW	- Apply knowledge of theory and research for holistic development of individuals and families over the lifespan period with a special focuses on early foundation years. - Identify, understand and solve the behavioural and psychological problems with a mastery of counselling skills thereby increase students' control over the decisions that affect their lives both within and outside the household.

	3. Capable to design, implement and evaluate interventions for early developmental delays to improve physical, cognitive and psycho-social wellbeing of children, their parents and elderly people. 4. Utilize theory based knowledge and methods to address real life problems and to collect data, analyze and understand solutions for problems related to lifespan development. 5. Create suitable teaching learning materials, select and apply appropriate approaches to teach pre-school children for all round development. Apply research innovations and appropriate educational strategies that support learning of differently abled students. 6. Able to employ critical thinking to resolve the problems efficiently related children, family and society either independently or with the support of concerned authorities. Ability to guide and lead needy people in the community/work setting in the right direction 7. Communicate effectively and accurately, use written, visual, and verbal means to present class reports, research reports and pre-school teaching practice. Develop skills in verbal and non-verbal communication in preparation and presentation of IEC while working with children and communities to disseminate information related to human development aspects. 8. Demonstrate understanding of knowledge related to normal and delayed mile stones of development of children , impact of different parenting styles on children's behaviour and reasons for problem behaviour and responsibilities as Human Development Expert to disseminate same to parents , teachers and significant others in the community. 9. Demonstrate ethical principles in the context of counselling practice and psychological testing by following unbiased and truthful actions in all aspects of assessments and maintaining confidentiality of case studies while doing documentation and publication. 10. Understand the availability of Government and non-government programmes and services for rehabilitation of children , indigent families and elderly and through intervention programmes provide sustainable solutions and build resilient families and communities. 11. Demonstrate knowledge and understanding of management of pre-schools, welfare institutions for children and needy people/elderly, education of special children and counseling practice, with innovative, appropriate, advanced techniques, skills, and modern psychological tools with an understanding of limitations. 12. Recognize the need for self-motivated life-long learning for the holistic development for meeting their professional and personal needs in varying environment and changing contexts.
Home science EMCT	1. knowledge base for Home science: Knowledge and competence in Sociology, Psychology, Education and Home science subjects appropriate to the Extension Education programmes

	2. (PA) Problem analysis: An ability to use appropriate knowledge and skills to identify and solve problems in community in order to reach the objectives and goals of Extension. 3. (Inv.) Investigation: An ability to identify the needs and problems, prioritize, and develop a programme for community development. 4. (Des.) Design: An ability to design solutions for different types of problems associated with different areas of Home science 5. (Tools) Use of PRA tools in Home science: An ability to select and use of the PRA tools in Home science, and application of appropriate technologies necessary for conducting extension programmes in the community. 6. (Team) Individual and team work: An ability to work effectively as a member and leader in the teams to meet the specific nutrition and health needs of the rural community. 7. (Comm.) Communication skills: An ability to communicate effectively in the dissemination of Home science knowledge to society. 8. (Prof.) Professionalism: An understanding of the roles and responsibilities of the professional Home scientist in society. 9. (Impacts.) An ability to analyze social, economic, cultural and health aspects of the society. 10. (Ethics): Ethics and Equity: An ability to apply ethical principles, professional ethics, norms of Home science Extension education and equity. 11. (Econ.): Economics and Project management: An ability to appropriately incorporate economics and project management in research work and to understand their limitation. 12. (LL) Life-long learning: An ability to identify and to address their own educational in a changing world in ways sufficient to maintain their competence and to allow them to contribute to the advancement of knowledge.
Home Science Food Technology S	1. Demonstrate and apply comprehensive knowledge and understanding gained in food Science, food chemistry, microbiology, Technology of various foods and food products, food processing, Food product development quality control and Community nutrition in an integrated manner to the development, processing, and preservation of safe, nutritious, and high-quality foods. 2. Identify, Understand and analyze problems related to food technology and make suitable decisions to find an appropriate solution for the same as identify the factors responsible for food spoilage, food contaminants and adulterants and the methods to detect and control the same.

	3. Design and develop food products by apply the concepts of Food Technology in creative manner to meet the needs and demands of the customers and industry. Formulate and develop tailor made products as per the needs of customers such as specialty foods. 4. Students develop a scientific knowledge with a sense of enquiry through various food technology papers. Able to strengthen research skills in order to meet the global challenges associated within all aspects of the food science and technology to develop their capacity to undertake research into the science of foods from farm to fork. 5. Demonstrate knowledge in various aspects of food and its application in food industry, concept of unit operations in food processing, conventional and advanced methods of food science, processing, preservation, methods of packing, post-harvest practices bakery and confectionery, meat, poultry and fish processing, food fermentation, dairy processing so as to develop food products. Able to Utilize advanced instruments and technologies to process and analyze food products and to solve food safety and quality related problems. 6. Able to work as individual as well as in teams with others from different backgrounds and confident to work in diverse socio-cultural settings with multicultural groups and teams in food industries, institutions, food research and quality control laboratories, academic institutions and governmental agencies as well as an entrepreneur. 7. Able to communicate orally and in writing related to discipline-specific, technical and non-technical aspects with effective interpersonal skills. seminars and Presentations in each paper enhances their confidence, ability to express themselves & presentation skills. Can effectively communicate scientific knowledge to meet the needs of industry and the consumer for the production and marketing of safe and quality foods. 8. Have knowledge in regulations governing on legal, safety, security and health issues and Able to follow food laws, regulations and safety standards in application of food additives preservatives etc. and apply the principles of Hazard Analysis and Critical Control Points (HACCP) to ensure safe food processing. 9. Understand and apply personal and professional ethics and responsibilities of food technologist in product development, quality, documentation and publications. 10. Find solutions for industrial and societal problems by effective utilization of byproducts, developing value added foods and transfer of technologies for sustainable development. 11. Screen business ideas, conduct market research, acceptability, quality control, shelf life studies and test market of the food products to avoid risks in commercialization of food products.
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	12. Acquire ability to gain knowledge and skills which are necessary throughout their life as professionals seeking to expand their career prospects into a wide range of Academic, research, employee and entrepreneurial roles in the broad field of food technology for their holistic development.
Mathematics & Applied Mathematics	1. Apply the knowledge of Mathematics in all the fields of learning including higher research and its extensions. 2. Equip the student with skills to analyse problems, formulate the hypothesis, evaluate and draw reasonable conclusions. 3. Investigate and apply mathematical problems and solutions in a variety of contexts related to science, technology, business and industry. 4. Able to design and develop mathematical experiments to solve environment problems like global pollution, aerosol particles weather and virus in atmosphere. 5. Utilize Number Theory in the field of Cryptography that helps in hiding information and maintaining secrecy in military information, transmission, computer password and e-commerce. Facilitate the study of groups in crystallography in chemistry and Lie symmetry groups in physics. 6. To interpret the data like dosage of medicine, nutritious food to children and effectiveness of new drugs and survival rate of cancer patients under certain treatments etc. 7. Illustrate solutions using numeric or graphical or programming methods. 8. Imbibe high standards in life by understanding the values and ethics in their life.. 9. Investigate and solve unfamiliar math problems and allow to think on unsolved mathematical problems. 10. Imbibe effective, scientific / technical communications in both oral and write. 11. Acquire knowledge in designing Mathematical models .Also generate funds through various research projects.. 12. Ability to think, acquire knowledge and skills through logical reasoning and develop a habit of self-learning throughout life.
Microbiology	1. Have Knowledge and technical skills associated with microbiology laboratory for delivering quality clinical investigations. 2. Perform safe use of basic laboratory glassware and equipment including the cell counter, microscope, centrifuge, incubator, Hot air oven, autoclave, colorimeter, and laminar air flow. 3. Perform advanced molecular microbial methods including Polymerase Chain reaction, site directed mutagenesis, SDS-PAGE, agarose gel electrophoresis, western blotting, southern blotting, transformation ,transduction, conjugation and AMES test etc,

	4. Conduct routine clinical laboratory procedures within acceptable quality control parameters in bacteriology, virology, mycology, parasitology and immunology. 5. Learn Problem solving techniques in identification and correction of pre analytical, post analytical & analytical variables. 6. Demonstrate technical skills, social behavior and professional awareness for functioning effectively as a microbiology technician. 7. Maintain and operate laboratory equipment utilizing appropriate quality control and safety procedures. 8. Identify the impact of laboratory tests in a global and environmental context. 9. Perform as a leader/team member in diverse professional and industrial research areas. 10. Use the fundamentals of research process to complete and present research studies that enrich the all areas of advanced research. 11. Gain practical knowledge through internship at various industries. 12. Ability to inculcate an attitude of enquiry towards developing innovative ability and enhancing entrepreneurship skills.
Industrial Microbiology	1. Grasp of basic and advanced knowledge on various domains of Microbiology. 2. Ability to integrate technologies through an inter-disciplinary learning habit. 3. Demonstrate an independent thinking ability. 4. Ability to communicate effectively. 5. Equipped with laboratory skills in microbiology. 6. Awareness of the impact of biosolutions in a global, economic, environmental, and societal context. 7. Understanding of professional and ethical responsibility. 8. Ability to design and conduct experiments, as well as to analyze and interpret scientific data. 9. Awareness of contemporary issues that can be mitigated or supported through life science know how and industrial microbiology skills. 10. Recognition of the need for, and an ability to engage in life-long learning.
Physics	1. Apply the scientific knowledge to solve the complex physics problems. 2. Identify, formulate, and analyze advanced scientific problems reaching substantiated Conclusions using first principles of mathematics, physical, and natural sciences. 3. Design solutions for advanced scientific problems and design system components or processes that meet the specified needs with appropriate attention to health and safety risks, applicable standards, and economic, environmental, cultural and societal consideration.

	4. Use research-based knowledge and methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. 5. Create, select, and apply appropriate techniques, resources, and modern scientific Tools to complex physics problems with an understanding of the limitations. 6. Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues, and the consequent responsibilities relevant to the Professional scientific practice. 7. Understand the impact of the scientific solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. 8. Apply ethical principles and commit to the norms of scientific practice. Function effectively as an individual, and as a member or leader in diverse teams, 9. And in multidisciplinary settings. 10. Communicate effectively on scientific activities with the Scientific/Engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective representations, and give And receive clear instructions. 11. Demonstrate knowledge and understanding of the scientific principles and apply These to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. 12. Recognize the need for, and have the preparation and ability to engage in independent And life-long learning in the broadest context of scientific cand technological change.
Instrumentation	1. Apply principles of basic engineering concepts in understanding and analysis of instruments 2. Identify, formulate, and analyze advanced engineering problems reaching substantiated conclusions using first principles of mathematics and basics of engineering. 3. Design solutions for advanced engineering problems and design system components to meet the specified needs with appropriate attention to health and safety risks, applicable standards, and economic, environmental, cultural and societal consideration. 4. Use research based knowledge and methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions 5. Create, select, and apply appropriate techniques, resources, and modern scientific Tools to complex physics problems with an understanding of the limitations 6. Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues, and the consequent responsibilities relevant to the professional scientific practice. 7. Understand the impact of the scientific solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development

	8. Apply ethical principles and commit to the norms of scientific practice. 9. Function effectively as an individual, and as a member or leader in diverse teams, And in multidisciplinary settings 10. Communicate effectively on scientific activities with the scientific/Engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective representations, and give and receive clear instructions 11. Demonstrate knowledge and understanding of the scientific principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments 12. Recognize the need for, and have the preparation and ability to engage in independent And life-long learning in the broadest context of scientific and technological change
Electronics	1. Apply the scientific knowledge to solve the complex physics problems. 2. Identify, formulate, and analyze advanced scientific problems reaching substantiated Conclusions using first principles of mathematics, physical, and natural sciences. 3. Design solutions for advanced scientific problems and design system components or processes that meet the specified needs with appropriate attention to health and safety risks, applicable standards, and economic, environmental, cultural and societal consideration. 4. Use research-based knowledge and methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid Conclusions. 5. Create, select, and apply appropriate techniques, resources, and modern scientific Tools to complex physics problems with an understanding of the limitations. 6. Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues, and the consequent responsibilities relevant to the Professional scientific practice 7. Understand the impact of the scientific solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. 8. Apply ethical principles and commit to the norms of scientific practice. 9. Function effectively as an individual, and as a member or leader in diverse teams, And in multidisciplinary settings 10. Communicate effectively on scientific activities with the Scientific/Engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective representations, and give and receive clear instructions. 11. Demonstrate knowledge and understanding of the scientific principles and apply these to one's own work, as member and leader in a team, to manage projects and in multidisciplinary environments.

	12. Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of scientific and technological change.
Psychology	1. Scientific knowledge: To apply the knowledge of Psychology, management , education sociology social work and linguistics. 2. Problem analysis: To identify, formulate, review literature, and analyze scientific problems in reaching conclusions using first principles of behavioral sciences and related other sciences 3. Investigation: To apply the knowledge based on research and related methods, including design of experiments, data collection, analysis and interpretation to provide valid conclusions 4. Design & Development: To plan, design and develop experiments to measure the experimental/survey/ observation data taking the safety and environmental considerations 5. Modern tool usage: To select standardized/ updated psychological testing material for investigating the identified problem with an understanding of its limitations. 6. Psychologist & Society: To asses and solve the problems related to societal, health and safety issues using the professional skills learned. 7. Environment and sustainability: To demonstrate the knowledge acquired for understanding the environmental issues and evolve methods for sustainable development. 8. Ethics: To understand ethical principles, professional ethics and responsibilities, and apply to solve Psychological/societal problems. 9. Individual & Team work: To function effectively as an individual / member of a team / team leader to solving different issues, 10. Communication: To effectively communicate on various issues particularly with psychosocial problems /community problems with in society, writing of reports and design of presentations. 11. Project Management and Finance: Acquire basic and advanced skills in various fields of psychology for self-employment and entrepreneurship 12. Lifelong learning: To recognize the importance of learning process throughout the life in view of psychological changes that occur from time-to-time.
Counselling Psychology	1. Scientific knowledge: To apply the knowledge of Psychology, management , education sociology social work and linguistics. 2. Problem analysis: To identify, formulate, review literature, and analyze scientific problems in reaching conclusions using first principles of behavioral sciences and related other sciences 3. Investigation: To apply the knowledge based on research and related methods, including design of experiments, data collection, analysis and interpretation to provide valid conclusions

	4. Design & Development: To plan, design and develop experiments to measure the experimental/survey/ observation data taking the safety and environmental considerations 5. Modern tool usage: To select standardized/ updated psychological testing material for investigating the identified problem with an understanding of its limitations. 6. Psychologist & Society: To asses and solve the problems related to societal, health and safety issues using the professional skills learned. 7. Environment and sustainability: To demonstrate the knowledge acquired for understanding the environmental issues and evolve methods for sustainable development. 8. Ethics: To understand ethical principles, professional ethics and responsibilities, and apply to solve Psychological/societal problems. 9. Individual & Team work: To function effectively as an individual / member of a team / team leader to solving different issues, 10. Communication: To effectively communicate on various issues particularly with psychosocial problems /community problems with in society, writing of reports and design of presentations. 11. Project Management and Finance: Acquire basic and advanced skills in various fields of psychology for self-employment and entrepreneurship 12. Lifelong learning: To recognize the importance of learning process throughout the life in view of psychological changes that occur from time-to-time.
Statistics	1. To obtain sound scientific knowledge in Statistical and applied aspects of Statistics. 2. To describe the phenomenon of various systems and processes. 3. To handle and analyse data bases with sound computer skills and develop interpretations. 4. To model the random phenomenon of various systems and processes using Statistical analysis. 5. To become a data scientist for assessing in decision making. 6. To get a wide range of opportunities and private, corporate and government sector organisations. 7. To analyse and develop strategies for industrial and service organisations. 8. To be able to train non statisticians to handle Statistical and data analytics. 9. To get knowledge about various Statistical packages like SPSS, Python, R etc., 10. To expertize in theoretical and applied principles of Statistics needed to enter the job force. 11. To perform Statistical inference in several circumstances and interpret the result applied contest. 12. To Communicate concepts in Probability and Statistics using Technical and Non-Technical Language.
Applied statistics	1. To get a wide range of opportunities and private, corporate and government sector organisations. 2. To get knowledge about various Statistical packages like SPSS, Python, R etc.,

	3. To analyse and develop strategies for industrial and service organisations. 4. To handle and analyse data bases with sound computer skills and develop interpretations. 5. To expertize in theoretical and applied principles of Statistics needed to enter the job force. 6. To obtain sound scientific knowledge in Statistical and applied aspects of Statistics. 7. To perform Statistical inference in several circumstances and interpret the result in an applied context. 8. To be able to train non statisticians to handle Statistical and data analytics. 9. To model the random phenomenon of various systems and processes using Statistical analysis. 10. To describe the phenomenon of various systems and processes. 11. To become a data scientist for assessing in decision making. 12. To Communicate concepts in Probability and Statistics using Technical and Non-Technical Language.
Virology	1. Develop the ability to demonstrate understanding, comprehensive knowledge and skills in various methodological and analytical approaches that are used in contemporary areas of Virology, which will make them to be eligible for higher studies, jobs in various academic and pharma/industrial sectors. 2. Demonstrate the ability to express, communicate and share thoughts, scientific concepts and ideas and experimental results clearly, concisely, and effectively, both in writing and orally. 3. Develop the capability to evaluate basic concepts, theories and mechanisms related to Virology based on empirical evidence by following strategic scientific approach to acquire knowledge to find solutions to virus problems related to microbes, plants, animals, and humans. 4. Demonstrate the ability to evaluate the reliability and relevance of evidence, identify logical flaws in others argument, analyse and synthesize data from a variety of sources; draw valid conclusions with supporting evidences and examples and address opposing viewpoints. 5. Develop the ability to review of scientific literature, independently carry out a complete scientific work process, including the understanding of theoretical background, defining, and formulating problems, hypothesis generation, collection, analysis and evaluation of data, and interpretation and presentation of results of an experiment or investigation in the field of Virology. 6. Demonstrate high competence and multidisciplinary subject experience within selected topics related to Virology as a team member and ability to facilitate cooperative or coordinated effort and to contribute to a multidisciplinary team in the interest of common cause; ability to promote national and international collaborative linkages for knowledge exchange and possible process/product development in the field of Virology.

	7. Acquire the ability to use ICT (Information and communication Technology) in a variety of learning situations, demonstrate the ability to access, evaluate and use a variety of relevant information sources and to use appropriate software for the analysis of data. 8. Develop the ability to work independently and to identify appropriate resources required for a project and manage a project through to completion. 9. Acquire the ability to demonstrate the practical skills in use of appropriate modern tools, advanced technologies and methods and skills necessary for designing and conducting experiment or investigation with an understanding of limitations. 10. Demonstrate the ability to assess and predict the technological, ethical, and social effects of one's own work /disciplines and of Virology, use bio-safety measures, ethical practices and avoid unethical behavior such as fabrication, misrepresentation of data or committing plagiarism, not adhering to intellectual property rights, and adopt objective, unbiased and truthful actions in all aspects of work. 11. Acquire teamwork abilities and leadership qualities through various activities during their course work and demonstrate capability to map out the tasks of a team or an organization, and set direction, formulate an inspiring vision, build a team who can help achieve the vision; motivate, and inspire team members to engage with that vision, and use management skills to guide the team to the right destination in a smooth and efficient way. 12. Acquire the knowledge and skills that are necessary for participating in learning activities throughout life, through self-paced and self-directed learning aimed at personal development and adopt to meet the demands of workplace through knowledge/skill development/re-skilling.
Zoology	1. The student should acquired the knowledge with facts and figures related to various aspects in life sciences 2. When you graduate with a Master of Science (Zoology) you will have learned how to work at a high level of academic achievement. 3. The student to understanding the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life and the applications of Zoology in Aquaculture, Vermiculture, Sericulture, Poultry Science and Fundamentals of Clinical Science and Immunology and to create new industry in their relevant area. 4. The student could apply the skills to handling scientific instruments, planning and performing in laboratory experiments and also drawing logical inferences from the scientific experiments.

	5. The students analyzed and realized how developments in any science subject helps in the development of other science subjects and vice-versa and how interdisciplinary approach helps in providing better solutions and new ideas for the sustainable developments. 6. Understand the applications of Biological techniques to various fields of biology. 7. Attained the knowledge relating to invertebrate & chordate, developmental biology, animal physiology, Cell & Molecular biology, genetics and clinical science, Progression to PG education in Zoology, Aquaculture, Environmental science, Biotechnology, Bioinformatics, Biochemistry, Microbiology and Human genetics, The Students get employment by industries/self employment in Poultry, Veterinary and Aquaculture industries. 8. Perform, Assess and implement practical techniques and procedure to solve biological problems and analyse and quantify data collected during any project.
Animal Biotechnology	1. Be able to play leading role in industry, research and the public services 2. Understand and appreciate major public concerns and issues associated with Animal Biotechnology 3. Have an understanding and grasp of international research environment where the frontiers of knowledge in Animal Biotechnology are under research 4. Be able to adapt and respond positively and flexibly to changing circumstances 5. Develop the professional skills and personal attributes to deal with complex issues, both systematically and creatively 6. Have the capacity for individual work and teamwork 7. Be lifelong learners with intellectual and practical skills.
MBA	1. Experiential Learning: Bring in the experiential learning acquired through Role Play, Business Games, Industrial Visits, Internships etc., to analyse a given situation and take right decisions. 2. Innovative Thinking: Use out of the box thinking to figure out different kind of solutions to either address problems or capitalise on the opportunities that exist from time to time. 3. Strategic Planning: Evaluate both macro and micro environment using different tools and techniques to make different strategic plans to achieve the organisational goals and objectives. 4. Professionalism: Display a great deal of professionalism in all their dealings with wide variety of stakeholders and also exhibit the same in their work planning and execution. 5. Research Competence: Carry out research in different situations to unearth the causes and solutions to pressing issues and challenges quite effectively. 6. Social Responsibility: Analyse the impact of the business decisions on various stakeholders and go for the right choices to protect the interests of each one of them.

	7. Moral Responsibility: Demonstrate ethical and moral values acquired during the course of the study to good effect. 8. Soft Skills: Use different soft skills quite appropriately to strengthen the relations with people they interact with and build effective networks. 9. Cross Cultural Outlook: Blend well with people from different regions of the world by understanding their culture and acting accordingly to foster meaningful relationships. 10. Leadership : Display the right leadership based on the situation to maximise the benefits for the organisations they work for. 11. Teamwork: Mingle well with the other members of the team and work effectively for the accomplishment of the team goals. 12. Management Knowledge: Use all the concepts learned in an appropriate manner in different situations to function well and create an impact.
MCA	1. Computational Knowledge: Apply knowledge of computing fundamentals, computing specialization, mathematics, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements. 2. Problem Analysis: Identify, formulate, research literature, and solve complex computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines. 3. Design /Development of Solutions: Design and evaluate solutions for complex computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations. 4. Conduct investigations of complex Computing problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. 5. Modern Tool Usage: Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations. 6. Professional Ethics: Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practices. 7. Life-long Learning: Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.

	8. Project management and finance: Demonstrate knowledge and understanding of the computing and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. 9. Communication Efficiency: Communicate effectively with the computing community, and with society at large, about complex computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions. 10. Societal and Environmental Concern: Understand and assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practices. 11. Individual and Team Work: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments. 12. Innovation and Entrepreneurship: Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large.
MSCS	1. Computational Knowledge: Apply knowledge of computing fundamentals, computing specialization, mathematics, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements. 2. Problem Analysis: Identify, formulate, research literature, and solve complex computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines. 3. Design /Development of Solutions: Design and evaluate solutions for complex computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations. 4. Conduct investigations of complex Computing problems : Use research based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. 5. Modern Tool Usage: Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations. 6. Professional Ethics: Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practices. 7. Life-long Learning: Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.

	8. Project management and finance: Demonstrate knowledge and understanding of the computing and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. 9. Communication Efficiency: Communicate effectively with the computing community, and with society at large, about complex computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions. 10. Societal and Environmental Concern: Understand and assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practices. 11. Individual and Team Work: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments. 12. Innovation and Entrepreneurship: Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large.
M.Com Regular	1. (KB) Knowledge Based: Apply Knowledge in the functional areas of management and analyse the significance of commerce in modern times. 2. (PA) Problem Analysis: Acquire knowledge about the concepts and postulates of accounting its branches, finance and HRM and trace out appropriate solutions to the compulsory problem. 3. (Inv.) Investigation: Critically analyse the qualitative and quantitative data on contemporary issues in the field of accounting and finance. 4. (Des) Design: Obtain skills in designing and conducting survey during the course of Project work and impact knowledge. 5. (Tools) Use of Tools: Learn about the application of different statistical tools and techniques so as to arrive at suitable decision in the business and its success. 6. (Team) Individual team work: Discern knowledge about the group dynamics and team building so as to participate in community extension and outreach programmes. 7. (Comm.) Communication skills : Inculcate communication skills and learn interview participation techniques for acquire Proper placement. 8. (Prof) Professionalism: Demonstrate professionalism in undertaking independent research surveys and project works. 9. (Impact) Impacts of course as society and environment: Understand the emerging trends in the field of Accounting, Finance, Marketing and HRM and their impact on society and demonstrate the knowledge required for sustainable development of industry and service sector.

	10. (Social) Social responsibility: Apply reasoning provided by the continual knowledge to assess societal legal and cultural issues and the consequent responsibility relevant to the accounting, finance, marketing and tax planning practices. 11. (Ethics) Ethics and Equities: Explore the axiomatic wisdom an ethics and equities in various walks of life and professions and learn who to thrive in the society with moral and ethical values. 12. (LLL) Life Long Learning : Recognise the need for, and have the skills to engage in independent and life-long learning in the broadest context of changes and turbulent environment revolved around commerce, trade and industry. Also apply learning skills and techniques obtained through theoretical, conceptual framework, computer practical and project field experiences to resolve contemporary issues.
M.Com (A&F)	1. (KB) Knowledge Based : Understand the emerging trends in accounting and finance and their impact on the economy. 2. (PA) Problem Analysis : Identify and analyse the field of functional areas of management, more particularly accounting and finance and explore suitable solutions to the problems. 3. (Inv) Investigation: Acquired managerial skills and investigate into complex areas of accounting, finance and service. 4. (Des) Design : Obtain skills in designing and conducting survey during the course of Project work and impact knowledge. 5. (Tools): Use of Tools: Learn about the application of different statistical tools and techniques so as to arrive at suitable decision in the business and its success. 6. (Team) Individual team work: Discern knowledge about the group dynamics and team building so as to participate in community extension and outreach programmes. 7. (Comm) Communication skills : Inculcate communication skills and learn interview participation techniques for acquire Proper placement. 8. (Prof) Professionalism : Demonstrate professionalism in undertaking independent research and project works in the areas of accounting and finance. 9. (Impact) Impacts of course on society and environment: Acquire knowledge on the current trends in accounting and financial system and their impact on the economy and society as well. 10. (Social) Social responsibility: Apply reasoning provided by the continual knowledge to assess societal legal and cultural issues and the consequent responsibility relevant to the accounting, finance, marketing and tax planning practices. 11. (Ethics) Ethics and Equities: Explore the axiomatic wisdom an ethics and equities in various walks of life and professions and learn who to thrive in the society with moral and ethical values.

	12. (LLL) Life-long learning: Apply learning skills and techniques acquired through theory and practical computer and project field works to tackle the current issues in field of accounting and finance. Also perceive the new concepts like ABC, Financial engineering etc.,
M.Com (FM)	1. (KB) Knowledge Based :Familiarise oneself with the objectives of financial management and have on insight into the various concepts, tools and techniques of financial management. 2. (PA) Problem Analysis :Analyse the crucial and critical issues in the area of finance and apply various techniques to take such issues and explore appropriate solutions to the problems that cramped finance area. 3. (Inv) Investigation :Obtain knowledge and investigate into the areas like financing and investment decision making, trends in working capital management, assessing the trends in strategic and International Financial Management 4. (Des) Design :Obtain skills in designing and conducting survey during the course of Project work and impact knowledge. 5. (Tools) Use of Tools: Learn about the application of different statistical tools and techniques so as to arrive at suitable decision in the business and its success. 6. Team Individual team work: Discerns knowledge about the group dynamics and team building so as to participate in community extension and outreach programmes. 7. (Comm) Communication skills : Inculcate communication skills and learn interview participation techniques for acquire Proper placement. 8. (Prof) Professionalism : Exhibit professionalism to take up necessary and project works in the field of corporate finance and arrival at concrete solutions to many complex problems that have bearing on corporate finance. 9. (Impact) Impacts of course as society and environment: Understand the emerging trends in the field of Accounting, Finance, Marketing and HRM and their impact on society and demonstrate the knowledge required for sustainable development of industry and service sector. 10. (Social) Social responsibility: Apply reasoning provided by the continual knowledge to assess societal legal and cultural issues and the consequent responsibility relevant to the accounting, finance, marketing and tax planning practices. 11. (Ethics) Ethics and Equities: Explore the axiomatic wisdom an ethics and equities in various walks of life and professions and learn who to thrive in the society with moral and ethical values. 12. (LLL) Life Long Learning: Recognise the need for, and have the skills to engage in independent and life-long learning in the broadest context of changes and turbulent environment revolved around commerce,

	trade and industry. Also apply learning skills and techniques obtained through theoretical, conceptual framework, computer practical and project field experiences to resolve contemporary issues.
B.Pharmacy	1. Develop an understanding for the need of pharmaceutical sciences and technology towards giving quality life to people in society through the quality of medicines. 2. Apply the knowledge and skills gained through education to gain recognition in professional course and society. 3. Create awareness in society about the effective and safe use of medicines. 4. Act efficiently as a leader in the diverse areas of the profession to demonstrate the ability to plan and implement professional activities. 5. Provide a practical knowledge of the basic pharmaceutical sciences and the skill, acquire to deal with problems in pharmaceutical field 6. Develop ability for in-depth information and critical thinking in order to identify, formulate and solve the issues related to Pharmaceutical Industry, Regulatory Agencies, Hospital Pharmacy & clinical Pharmacy for better services to the community. 7. Identify the goals and regulations involved in the drug discovery and development, manufacture, distribution and sale of medicines and develop problem-based learning approach and analytical thinking in his/her academic and professional life. 8. Update the knowledge through continuous learning to face the challenges for better services to the community. 9. Design and develop process to perform experiments in various pharmaceutical areas like Pharmacognosy, Pharmaceutical Chemistry including Analytical Chemistry, Pharmaceutical Biotechnology, Pharmacology, Formulation and Development. 10. Fill the gap with other health care communities to provide innovative solutions for the purpose of maintain public health. Develop team spirit for the development of student profession to the social needs and professional ethics. 11. Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees). 12. Create a talent pool by involving students in research projects and to make students to undertake research projects under faculty guidance for publication. Foster ambitious desire among students to undertake higher studies, career growth and life-long learning.
M.Pharm Pharmacology	1. Produce Pharmacy graduates with strong basics and high technical knowledge to cater the various areas of Drug Development

	2. Develop an understanding for the need of pharmaceutical sciences and technology towards giving quality life to people in society through the quality of drugs. 3. Apply the knowledge and skills gained through education to gain recognition in professional course and society. 4. Act efficiently as a leader in the diverse areas of the profession to demonstrate the ability to plan and implement professional activities. 5. Develop ability for in-depth information and critical thinking in order to identify, formulate and solve the issues related to Pharmaceutical Industry, Regulatory Agencies, Hospital Pharmacy & clinical Pharmacy for better services to the community. 6. Identify the goals and regulations involved in the drug discovery and development, manufacture, distribution and sale of medicines and develop problem-based learning approach and analytical thinking in his/her academic and professional life. 7. Update the knowledge through continuous learning to face the challenges for better services to the community. 8. Design and develop process to perform experiments in various pharmaceutical areas like Pharmacognosy, Pharmaceutical Chemistry including Analytical Chemistry, Pharmaceutical Biotechnology, Pharmacology, Formulation and Development. 9. Fill the gap with other health care communities to provide innovative solutions for the purpose of maintain public health. 10. Develop team spirit for the development of student profession to the social needs and professional ethics. 11. Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees). 12. Create a talent pool by involving students in research projects and to make students to undertake research projects under faculty guidance for publication.
M.Pharm Pharmaceutics	1. Produce Pharmacy graduates with strong basics and high technical knowledge to cater the various areas of Pharmaceutical industry. 2. Develop an understanding for the need of pharmaceutical sciences and technology towards giving quality life to people in society through the quality of medicines. 3. Apply the knowledge and skills gained through education to gain recognition in professional course and society.

	4. Impart knowledge and skills on criteria for selection of drugs, dose calculations, dose adjustments by applying biopharmaceutical theories, pharmacokinetic and bioequivalence models which gives technical skill knowledge in In-vitro and In-vivo studies using computer simulations. 5. Act efficiently as a leader in the diverse areas of the profession to demonstrate the ability to plan and implement professional activities. 6. Provide a practical knowledge of the basic pharmaceutical sciences and the skill, acquire to deal with problems in pharmaceutical field 7. Develop ability for in-depth information and critical thinking in order to identify, formulate and solve the issues related to Pharmaceutical Industry, Regulatory Agencies, Hospital Pharmacy & clinical Pharmacy for better services to the community. 8. Identify the goals and regulations involved in the drug discovery and development, manufacture, distribution and sale of medicines and develop problem-based learning approach and analytical thinking in his/her academic and professional life. 9. To update the knowledge through continuous learning to face the challenges for better services to the community. 10. Design and develop process to perform experiments in various pharmaceutical areas like Pharmacognosy, Pharmaceutical Chemistry including Analytical Chemistry, Pharmaceutical Biotechnology, Pharmacology, Formulation and Development. 11. Fill the gap with other health care communities to provide innovative solutions for the purpose of maintain public health. 12. Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).
IASE	1. Teaching competency: Know, select and use of learner-centered teaching methods, understanding of paradigm shift in conceptualizing disciplinary knowledge in school curriculum, necessary competencies for organizing learning experiences, select and use of appropriate assessment strategies for facilitating learning 2. Pedagogical skills: Applying teaching skills and dealing with classroom problems. 3. Teaching through Nonconventional Modes: Evolving a system of education which enhances the potential of every learner to acquire, retain and transform knowledge leading to wisdom society through creative, experiential and joyful modes of learning.

	4. Integration of Artificial Intelligence in Education: Transform the educational landscape by providing open access to quality, value based and socially relevant education to all by harnessing the disruptive potential of AI. 5. Critical Thinking: Analysis of Curriculum, construction of blue print, selecting appropriate teaching strategies according to needs of students and conducting action research to solve classroom problems. 6. Effective Communication: Presenting seminar before peer students and teachers and practicing communication skills through various linguistic activities and applying it for better classroom communication. 7. Sensitivity towards Inclusion: Identifying the diversities and dealing it in inclusive classrooms environment, guidance and counselling programmes for disabled students. 8. Content Analysis: Analyses the text-books and syllabus. 9. Effective Citizen Ethics: Understand different values, morality, and social service and accept responsibility for the society. 10. Self-directed Learning: Preparing scripts for seminars, lesson plans and online content. 11. Social Resilience: Understand about social entities and enable to tolerate absorb, cope up with adverse conditions of life. 12. Physical Development: Practice yoga, self-defence, sports and scouting-guiding. 13. Team Work: Enable to work as a member or leader in diverse teams and in multi-disciplinary settings by following the principles of collaborative learning, cooperative learning and team teaching.
Chemical Eng B.Tech	1. To integrate and apply concepts of mathematics, physics, chemistry and biology to real life situations. 2. To apply principles of conservation, thermodynamics, transport processes, reaction engineering and process control to analyze and design process equipment. 3. To develop mathematical models of chemical engineering systems. 4. To demonstrate computational abilities and use of software tools in design & simulation of process and equipment. 5. To apply techniques of optimization to improve the performance of chemical processes. 6. To analyze equipment and processes for retrofitting and debottlenecking. 7. To conduct energy audit and suggest strategies for its conservation. 8. To incorporate effective measures for environmental protection and sustainability into chemical process design. 9. To participate in laboratory scale process development and scale up or scale down of processes. 10. To communicate effectively in both verbal and written forms.

	11. To adapt to changing scenario and circumstances, with self confidence. 12. To succeed in competitive examinations like GATE, UPSC
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Civil B.Tech Syllabus 2021-22	1. To apply knowledge of mathematics, Science, Engineering fundamentals, and engineering specialization for the solution of complex engineering problems. 2. To identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. 3. To design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations. 4. To use research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusions. 5. To create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities, with an understanding of the limitations. 6. To apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

	7. To understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. 8. To apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. 9. To function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. 10. To communicate effectively on complex engineering activities with the engineering community and with the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. 11. To demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. 12. To recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.
Civil M.Tech Geo technology	1. Apply the knowledge of science, mathematics, and engineering principles for developing problem solving attitude. 2. Identify, formulate and solve engineering problems in the domain of structural engineering field. 3. Use different software tools for Analysis and Design structural engineering domain. 4. Design and conduct experiments, analyse and interpret data, for development of simulation experiments. 5. Function as a member of a multidisciplinary team with sense of ethics, integrity and social responsibility.
Civil M.Tech Structural engineering	1. Apply the knowledge of science, mathematics, and engineering principles for developing problem solving attitude. 2. Identify, formulate and solve engineering problems in the domain of structural engineering field. 3. Use different software tools for Analysis and Design structural engineering domain. 4. Design and conduct experiments, analyse and interpret data, for development of simulation experiments. 5. Function as a member of a multidisciplinary team with sense of ethics, integrity and social responsibility.
Computer Science B.Tech	1. An ability to apply knowledge of computing, mathematics, science and engineering fundamentals appropriate to the discipline 2. An ability to analyze a problem, and identify and formulate the computing requirements appropriate to its solution.

	3. An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations 4. An ability to design and conduct experiments, as well as to analyze and interpret data 5. An ability to use current techniques, skills, and modern tools necessary for computing practice. 6. An ability to analyze the local and global impact of computing on individuals, organizations, and society. 7. Knowledge of contemporary issues. 8. An understanding of professional, ethical, legal, security and social issues and responsibilities. 9. An ability to function effectively, individually as well as in teams. 10. An ability to communicate fluently with a variety of audiences. 11. Recognition of the need for and an ability to engage in continuing professional development. 12. An understanding of engineering and management principles and applying these as a member/leader in a team, in managing projects.
Computer Science M.Tech	1. Gain advanced knowledge in theoretical computer science, algorithms, computer software, hardware and networking. 2. Analyze computer based software and hardware problems and identifying solutions. 3. Develop solutions to problems related to computer hardware and software systems to meet the needs of society and industry. 4. Develop skills for research, and innovation in the area of computer hardware and software 5. Ability to use modern software tools and technologies for designing simple to complex applications in real world. 6. Ability to work in multidisciplinary groups, for decision making and self-management 7. Apply knowledge of management principles to effectively contribute in project teams within social and economical constraints. 8. Develop effective professional and business communication. 9. Attitude for independent and continuous learning for improved knowledge and professional competence. 10. Follow ethical practices in professional career and societal contributions 11. Able to continuously self-reflect own actions for improvement.
EEE B.Tech	1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

	2. Problem analysis: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences. 3. Design / Development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety and the cultural, societal and environmental considerations. 4. Conduct investigations of complex problems: Use research – based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusions. 5. Modern tool usage: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations. 6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice. 7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development. 8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. 9. Individual and team work: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings. 10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions. 11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. 12. Life-long learning: Recognize the need for , and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.
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ECE B.Tech	1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems related to Electronics & Communication and Engineering. 2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems related to Electronics & Communication Engineering and reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. 3. Design/development of solutions: Design solutions for complex engineering problems related to Electronics & Communication Engineering and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations. 4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. 5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations. 6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the Electronics & Communication Engineering professional engineering practice. 7. Environment and sustainability: Understand the impact of the Electronics & Communication Engineering professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. 8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. 9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. 10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. 11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to manage projects and in multidisciplinary environments.
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	12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.
ECE M.Tech Communication Systems	1. Ability to apply the knowledge of science, mathematics, and engineering principles for developing problem solving attitude. 2. Ability to identify, formulate and solve engineering problems in the broad areas like Systems Design using communication and networking platforms and tools. Explore recent developments in areas like optical communication, satellite communication, wireless communication, networking, RF-microwave, antennas, measurements and standards in communication. 3. Ability to understand and use different software tools for Design, Analysis and Verification in the domain of communication and networking. System results are obtained through progressive steps such as Design entry, Synthesis, Functional and Timing Simulation. 4. Ability to design and conduct experiments, analyze and interpret data, imbibe programming skills for development of simulation experiments. 5. Ability to function as a member of a multidisciplinary team with sense of ethics, integrity and social responsibility.
ECE M.Tech Signal Processing	1. Ability to apply the knowledge of science, mathematics, and engineering principles for developing problems solving attitude. 2. Ability to identify, formulate and solve engineering problems in the signal processing areas such as Developing robust and problem specific algorithms for acquisition, processing, analysis, synthesis of signals, to be applied in Signal Processing, Machine Vision and Communication Networks. 3. Ability to understand and use different software tools in the domain of signal processing. Analysis and Verification of algorithms, Functional and timing Simulation on platforms like MATLAB, code composer studio and assembly language. 4. Ability to design and conduct experiments, analyze and interpret data, imbibe programming skills for development of simulation experiments. 5. Ability to function as a member of a multidisciplinary team with sense of ethics, integrity and social responsibility.
Mechanical B.Tech	1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. 2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

	3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations. 4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. 5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations. 6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice. 7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. 8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. 9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. 10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. 11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. 12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.
Mechanical M.Tech Ind.Eng	1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. 2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

	3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations. 4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. 5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations. 6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice. 7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. 8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. 9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. 10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. 11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. 12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.
Mechanical M.Tech Prod.Eng	1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. 2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

	3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations. 4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. 5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations. 6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice. 7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. 8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. 9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. 10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. 11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. 12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.
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