

PROGRAMME OUTCOMES

| Programme | Programme Outcomes |
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| B.Com. | The students after doing B.Com. are eligible for admission to for Post graduate programme M.Com. They can also go for post graduate diploma courses like P.G.D.C.A etc. They can go for M.B.A., M.C.A. also. They can also compete in various competitive exams like HPAS, IAS, IPS, IRS, and Banking sector. They can apply for jobs in various accounts departments in private and public sector. They can also go for CA, CMA, ICWA, CS courses. |
| B.A. | The students after doing BA are expected to go for admission to various Post graduate programmes like M.A. in various disciplines, post graduate diplomas like P.G.D.C.A., to compete in various competitive exams like HPAS, IAS, IPS, IRS etc. The students can do B.Ed. for getting job as TGT (Arts) |
| B.Sc. | After doing B.Sc. the students are expected to go for admissions to various post graduate programmes like M.Sc. in Physics, chemistry, mathematics, Botany, and Zoology. They can also go for post graduate diploma courses like P.G.D.C.A etc. They can go for M.B.A., M.C.A. also. They can also compete in various competitive exams like HPAS, IAS, IPS, IRS, IFS and Banking sector. The students can do B.Ed. for getting job as TGT (Science) |
| B.C.A. | B.C.A programme will help the students to improve their computer literacy, their basic understanding of operative systems and a working knowledge of software commonly used in academic and professional environments. They can develop criteria to organize and present different type of works in academic and professional environments. |

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| | <p>Learn how to organize information efficiently in the forms of outlines, charts, etc. by using appropriate software. The students can go for M.C.A. and then Ph.D.to opt a career in teaching as assistant professor in various technical and other institutes.</p> |
| <p>B.Voc.</p> | <p>B.Voc is Bachelor of Vocation Degree courses that is available in two fields (1.Retail Management 2. Hospitality and tourism) for students who have completed their basic education i.e. 12th.</p> <p>It incorporates specific job roles and their NOSs (National Occupational Standard) along with broad based general education. This is largely targeted towards skilling those individuals who want to enhance their employability opportunities to learn, earn and grow</p> |
| <p>B.B.A.</p> | <p>BBA is just an entry level management course. After completion of BBA students are eligible to apply in govt job as well as private jobs. Various private sector options are: A management graduate can easily join in IT company, financial organization, Banks, Retail store, Real estate industries.</p> <p>Govt sector options are: students have to first qualify an exam in UPSC, SPSC, SST, Banking sector, postal department and telecom sector of India. If they have skills then can become IAS officer and IPS officer. Third option is they can choose self-employment in which they can open food outlet, consultancy firm, social media marketing firm, and website Mgt firm. They can also go in defence sector I.e air force, army, Navy etc. The students can go for M.B.A. and then Ph.D.to opt a career in teaching as assistant professor in various management, technical and other institutes.</p> |

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| <p>M.Com</p> | <p>The students may go for research degrees of M.Phil. and Ph. D. They can join courses like CA/ICWA. They can appear in exams like SLET and NET etc. and choose career in teaching as assistant professors in colleges and universities. Then can do B.Ed. and opt teaching jobs as PGTs in Schools.</p> <p>The programme enables the students to develop business acumen, managerial skills and abilities, and be capable of maintaining business accounts.</p> |
| <p>MA English</p> | <p>The students may go for research degrees of M.Phil. and Ph. D. They can appear in exams like SLET and NET etc. and choose career in teaching as assistant professors in colleges and universities. Then can do B.Ed. and opt teaching jobs as PGTs in Schools. This programme helps the students to learn the evolution of language, and enhances their critical thinking. They come to know about different literary periods and writings written by different sections of people (gender, racial, and ethnic minorities). Learning of literature helps in the interface between various cultures and traditions all over the globe.</p> |
| <p>MA Political Science</p> | <p>The students may go for research degrees of M.Phil. and Ph. D. They can appear in exams like SLET and NET etc. and choose career in teaching as assistant professors in colleges and universities. Then can do B.Ed. and opt teaching jobs as PGTs in Schools.</p> <ul style="list-style-type: none"> ➤ Political Literacy: Understanding of the political concepts institutions, processes, constitutional background and policy outcomes of Indian Government and the ability to compare Indian Government to that of other countries around the world. ➤ Global Understanding: Understand and analyze key theories and concepts, historical developments, organizations and modern issues in international relations. |

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| | <ul style="list-style-type: none"> ➤ Applications of Political Science: Learn to analyze and apply basic political science concepts to current events. ➤ Critical and Independent Thinking: Promote critical thinking including the ability to form an argument, detect fallacies, and martial evidence, about key issues of public policy and politics. ➤ Holistic Learning and Evaluation: Appraise the interrelationship among the historical, political, economic, cultural and geographical dimensions in political science. ➤ Utility of Political Theories: Explore advanced theories of politics and appraise their importance. Apply that knowledge to the practical tasks. ➤ Political and Social Ethics: Become productive citizens dedicated to serving their communities, their nations and the world. |
| <p style="text-align: center;">MA Economics</p> | <p>The students may go for research degrees of M.Phil. and Ph. D. They can appear in exams like SLET and NET etc. and choose career in teaching as assistant professors in colleges and universities. They can do B.Ed. and opt teaching jobs as PGTs in Schools. The Programme.....</p> <ul style="list-style-type: none"> ➤ Prepare students to develop critical thinking to carry out investigation about various socio-economic issues objectively while bridging the gap between theory and practice. ➤ Equip the student with skills to analyse problems, formulate a hypothesis, evaluate and validate results and draw reasonable conclusions thereof. ➤ Prepare students for pursuing research or careers that provide employment through entrepreneurship and innovative methods. Because today's unemployment problem can also be solved by developing the micro and small entrepreneurship ➤ Prepare students to develop own thinking /opinion regarding current national or international policies and issues ➤ Create awareness to become a rational and an enlightened citizen so that they can take the responsibility to spread the governments' |

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| | <p>initiatives/schemes to the rural areas for the upliftment of the poor or vulnerable section of the society for inclusive growth</p> |
| <p>MCA</p> | <p>The students may go for research degrees of M.Phil. and Ph. D. They can appear in exams like SLET and NET etc. and choose career in teaching as assistant professors in colleges and universities. After doing MCA the students will be able to.....</p> <ul style="list-style-type: none"> ➤ 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. ➤ Identify, formulate, research literature, and solve complex Computing problems reaching substantiated conclusions using fundamental principles of Mathematics, Computing sciences, and relevant domain disciplines. ➤ 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. ➤ Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusions. ➤ Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations. ➤ Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practice. ➤ Recognize the need, and have the ability, to engage in independent learning for continual development as a Computing professional. ➤ Demonstrate knowledge and understanding of computing and management principles and apply these to one's own work, as a |

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| | <p>member and leader in a team, to manage projects and in multidisciplinary environments.</p> <ul style="list-style-type: none"> ➤ 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. ➤ Understand and assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice. ➤ Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments. ➤ 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. |
| <p>MBA</p> | <p>The students may go for research degrees of M.Phil. and Ph. D. They can appear in exams like SLET and NET etc. and choose career in teaching as assistant professors in colleges and universities. Graduates of the Master of Business Administration degree program will be able to:</p> <ul style="list-style-type: none"> ➤ Communicate effectively in a variety of formats ➤ Identify the key issues facing a business or business subdivision ➤ Utilize qualitative and quantitative methods to investigate and solve critical business problems ➤ Integrate tools and concepts from multiple functional areas (i.e. finance, marketing, operations, etc.) to solve business problems ➤ Evaluate and integrate ethical considerations when making business decisions ➤ Incorporate diversity and multicultural perspectives when making business decisions |

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| PGDCA | <p>The program focuses on the skill enhancement of students in which following skill component are enhanced.</p> <ul style="list-style-type: none">➤ To train students in the latest trends of Application Development, Programming Languages and Database Management.➤ To enhance their career opportunities in the software development and maintenance sector in the state.➤ To expose the students to Open-Source Technologies so that they become familiar with it and can seek appropriate opportunity in trade and industry.➤ To give hands on experience to students while developing real life IT application as part of the study.➤ To augment the knowledge base of the students, through various activities which will be complementary to the theoretical studies. |

PROGRAMME SPECIFIC OUTCOMES

| Programme | Programme Specific Outcomes |
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| B.Com. | <ol style="list-style-type: none"> 1. The program will enable students to develop business acumen, managerial skills and abilities, and be capable of maintaining business accounts. 2. Students will be able to communicate effectively both in terms of business as well as social interaction. 3. The program will encourage entrepreneurship spirit among students and encourage them to participate effectively in social, commercial and civic issues ultimately leading to national development. 4. The program will develop the ability to think critically and independently translating into a well-developed personal value system. 5. Students have choices to pursue professional courses such as CA, M.COM, MBA, CMA, ICWA, CS, etc 6. Students are able to play roles of businessmen, entrepreneur, managers, consultant, which will help learners to possess knowledge and other soft skills and to react aptly when confronted with critical decision making. |
| B.A. | <ol style="list-style-type: none"> 1. Students develop an understanding of Concepts, theoretical frameworks, perspectives and methods of inquiry. 2. Students are trained to think rationally and critically. |

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| | <ol style="list-style-type: none"> 3. Students learn to appreciate diversity and develop cultural sensitivity. 4. Recognition of self as an individual with strengths and weaknesses. 5. Students imbibe human values and become responsible citizens. 6. Eligible candidates for admissions to post-graduate programs/Research/further studies. |
| B.Sc. | <ol style="list-style-type: none"> 1. The students gain the knowledge of systematic observations, model making, theoretical predications thereby understanding various phenomena in nature. 2. To make the students think critically and to use appropriate concepts in problem solving. 3. To enhance the skills of the students to be innovative. 4. To provide the students skills to design and construct instruments and make them research oriented. 5. To make students sensitive to their surrounding and social issues, through field work and projects. 6. To develop Ability in students to meet challenges and equip them to be competent. 7. To develop a qualitative and quantitative approach in the students. 8. To provide hands on experience to the students on sophisticated instruments and programming skills. |
| B.C.A. | <p>The programme helps the students to develop the skills to present ideas effectively and efficiently and to</p> <ol style="list-style-type: none"> 1. Do Academic and Professional Presentations - Designing and delivering an effective presentation and developing the various IT skills to the electronic databases. 2. Use the Systems Analysis Design paradigm to critically analyse a problem. 3. Solve the problems (programming networking database and Web design) in the Information Technology environment. Function |

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| | <p>effectively in teams to accomplish a common goal and demonstrate professional behaviour.</p> <ol style="list-style-type: none"> 4. Develop IT-oriented security issues and protocols. 5. Design and implement a web page. <p>Improve communication and business management skills, especially in providing technical support.</p> |
| <p>B.Voc. (Hospitality & Tourism)</p> | <p>After completing degree in B.Voc Hospitality and Tourism students will be able to grab a good job in the industry with good salary.</p> <p>During 3 years students learn various skill like customer handling, team management, conflict management, (HMS)Hotel management system Check -IN, Check -Out Process, Room Allocation to the guest etc. Industrial training in industry is provided to students from time to time which help them to improve their skill and learn new things about industry to get a good job at higher designation with Handsome salary and perks after completion of course. No of students already working in 4, 5-star hotels Like Sarovar Portico Jammu, Radisson Blue Dharmshala, Best Western Chandigarh and many more.</p> <p>The one more feature of this course is multiple entry multiple exit as student will get certificate if he leave the course after 6 month, diploma after 1 year, advance diploma after 2 years and degree after completions of 3 years.</p> |
| <p>B.Voc. (Retail Management)</p> | <p>After completing degree in B.Voc Retail Management students will be able to grab a good job in the industry with handsome salary. During 3 years students learn various skill like customer handling, team management, conflict management, display management, inventory management, financial management etc. Industrial training in industry is provided to students from time to time which help them to improve their skill and learn new things about industry and get a good job at higher designation after completion of course. The one more feature of this course is multiple entry multiple exit as student will get certificate if</p> |

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| | <p>he leave the course after 6 month, diploma after 1 year, advance diploma after 2 years and degree after completions of 3 years.</p> |
| <p>B.B.A.</p> | <ol style="list-style-type: none"> 1. Students are able to define, analyse, and devise solutions for structured and unstructured business problems and issues using cohesive and logical reasoning patterns for evaluating information, materials, and data. 2. Students are able to conceptualize a complex issue into a coherent written statement and oral presentation. 3. Students are competent in the uses of technology in modern organizational operations. 4. Entrepreneurship and Innovation: Students can demonstrate the fundamentals of creating and managing innovation, new business development, and high-growth potential entities. 5. Business Knowledge: Students can demonstrate technical competence in domestic and global business through the study of major disciplines within the fields of business. 6. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the Management practice. 7. Environment and sustainability: Students can understand the impact of the professional solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. 8. Individual and team work: Students can function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. 9. Project management and finance: Demonstrate knowledge and understanding of the management principles and apply these to one's own work, as a member and leader in a team, to manage |

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| | <p>projects and in multidisciplinary environments. The program will enable students to develop business acumen, managerial skills and abilities, and be capable of maintaining business accounts.</p> |
| M.Com | <ol style="list-style-type: none"> 1. The program will enable students to critically interact with works from different contexts. 2. Study of literature helps the students to interpret and explore relationships from the points of view of different people. 3. The students also learn what language is and what knowledge of language consists of. This is done with the basic examination of internal organization of sentences, words and sound systems. |
| MA English | <ol style="list-style-type: none"> 1. The program will enable students to critically interact with works from different contexts. 2. Study of literature helps the students to interpret and explore relationships from the points of view of different people. 3. The students also learn what language is and what knowledge of language consists of. This is done with the basic examination of internal organization of sentences, words and sound systems. |
| MA Political Science | <ol style="list-style-type: none"> 1. To engage students in the study of the national and global political system and its linkage with economic and social life. 2. To equip students with an understanding of politically sensitive issues and the development of generalized problem-solving skills. 3. To enable students to use analytical and specialized research skills in the field of Political Science. 4. To prepare students for careers in Central, State, Local Governments for taking leadership / administrative positions and to make a valuable contribution to the nation. Besides, they can also join law, NGO, electoral analytics, political journalism and research |

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| <p style="text-align: center;">MA Economics</p> | <ol style="list-style-type: none"> 1. Understanding the basic assumptions in various economic theories and enhance capabilities of developing ideas based on them 2. Prepare and motivate students for research studies in Economics especially by developing questionnaire, collecting primary data through field surveys 3. Provide knowledge of a wide range of econometric techniques using excel or other statistical software 4. Motivate students to extract or utilize different websites for secondary data collection, generating concepts for various facets of economic studies and gather latest information provided by various Universities, UGC, or ICSSR 5. Motivate students in preparing for various competitive examinations, NET, SET, 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. |
| <p style="text-align: center;">MCA</p> | <p>The programme aims</p> <ol style="list-style-type: none"> 1. To prepare graduates who will create systems through software development to solve problems in Industry domain area. 2. To Prepare Graduates who will contribute to societal growth through research in their chosen field. 3. To prepare graduates who will perform both as an individual and in a team through good analytical, design and implementation skills. 4. To prepare graduates who will be lifelong learners through continuous professional development. |
| <p style="text-align: center;">MBA</p> | <p>The Programme aims for.....</p> |

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| | <ol style="list-style-type: none"> 1. Nurturing industry ready professionals with business and management acumen, who shall hold high degree of human values and social consciousness in their professional and personal lives. 2. Enabling managerial decision making through the application of knowledge of management discipline 3. Setting up business enterprise and manage diversified growth of entrepreneurship. 4. Improving the awareness about functioning of local and global business environment and society which helps in recognizing the functioning of businesses, identifying potential business opportunities, and exploring the entrepreneurial opportunities. 5. Developing the skills on analysing the business data, application of relevant aspects, and problem solving in other functional areas such as marketing analytics, business strategy, finance and human resources. 6. Understanding leadership roles at various levels of the organization and lead teams across organizational boundaries and demonstrate leadership qualities, maximize the usage of diverse skills of team members in the related context. |
| <p style="text-align: center;">PGDCA</p> | <p>The programme will help students to</p> <ol style="list-style-type: none"> 1. Acquire problem-solving skills, especially the ability to analyse, design and implement solutions. 2. Demonstrate technical skills to be employed in a competitive Position in the IT field related sector. 3. Start an Entrepreneurial venture. 4. Work in different fields like content development, Multimedia, Website designing, Networking, Banking industry, Academics etc. |

and ability to pursue higher education and engage in independent life-long learning.



Course Outcomes



Bachelor of Arts

| Sr. No. | System | Year/Semester | Subject | Subject Code | Course Outcomes |
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| 1. | Annual | 1st year | Compulsory English | ENGCE101 | <p>To provide basic language and literary skills to the students through the given poems and stories/essays in the story.</p> <ul style="list-style-type: none"> • The students will be able to understand concepts in communication and shall be able to implement them in not only their professions but everyday life. • Communication is integral to human expression and growth and has taken many forms over centuries. The students will be able to identify the use of media in providing meaningful information. • After the completion of the course the students will be able to explain and review on critical evaluation of mass communication Models and theories |
| 2. | Annual | 1st year | Principal Communication | of BJMCPAC101 | |

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| 3. | Annual | 1st year | Introduction to Radio and TV | <ul style="list-style-type: none"> • Students will be able to identify several formats of radio programmes including news stories, radio drama, music, Interviews, education, radio commentary on public events, youth and armed forces. • Students will recognize the structure and history of the radio industry will be able to work in professional atmosphere of radio station. • Students will outline the relationship of each personnel inside a radio station. • The students will memorize basic evolution of TV industry and its growth in India. • Students will be able to illustrate the basics of TV genres and essentials of TV journalism. • Students will be able to identify several formats of Television programmes including news stories, current affairs, documentary, discussions, talk shows, game shows, educational programme, lifestyle, travel & foods, religious discourse, Soap opera, Interviews, events- live and recorded, sports, etc. |
| 4. | Annual | 1st year | History of India from the earliest times up to 300 CE | <p>After completion of this course students will come to know the History of Ancient India like Stone Age, Vedic Period, Indus Valley Civilization, Arya Civilization, Maurya Period. through these topics students will come to know the growth of Indian History.</p> |
| 5. | Annual | 1st year | History of india from C.300 TO 1206 | <p>After completion of this course students will come to know the History of Ancient India, The Guptas and Vakatakas their State and Administration. Changes in society, polity, economy and Culture with special reference to Pallavas and Chalukyas. Evolution of political structure of the Rastrakutas, Palas, and Pratiharas. Harsh's Kingdom, administration, Buddhism and Nalanda. Cholas state and Administration, economy and culture. The</p> |

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| | | | | | Arabs invasions. through these topics students will come to know the events of Indian History. |
| 6. | Annual | 1st Year | Madhyakallen hindi kavita | BA HIND/103 | Students will be able to understand and know the bhaktikaal, the important works of major writers like kaveerdaas, tulsidaas, meerabai, raskhan, biharilal. Students will also be able to understand the various rass used in the poetry and their impact on indian bhaktikavya. |
| 7. | Annual | 1st Year | Hindi bhasha or sampreshan AECC-2 | BA HIND/104 | Students will be well versed in hindi grammar use of noun, pronoun, verb, proverb, tenses, adjectives, antonyme, synonyme, sentence formation. Students is capable to write letters and essays in Hindi by using various grammatical tools they studied. |
| 8. | Annual | 1st Year | English Literature -2 | ENG DSC 103 | <p>Student will acknowledge with the Sufi and Bhakti traditions in literature and their difference.</p> <p>They will also know the writing style of various Sufi and Bhakti poets like Bulla Shah, Mahadeviyakka.</p> <p>Student will be able to understand the politics behind the omission of Urdu words in Hindi language after Independence.</p> |

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| | | | | | Student will also able to understand the various literary cultures and voices in India after Independence like tribal voices, women voices and dalit voices. |
| 9. | Annual | 1st year | Principles of Micro Economics -I | ECONA101 | After completion of this course students will be familiar with demand and supply, theories of utility, theories of production and cost and different markets. |
| 10. | Annual | 1st year | Principles of Micro Economics -II | ECONA 102 | After completion of this course students will be familiar with different markets like perfect competition, monopoly and monopolistic competition, theories of factor pricing like rent, wage, rate of interest and profit. |
| 11. | B.A.-1 st | Year | Sanskrit Kavya | SKT-DSC-101 (DSC-1) | In this course students will be familiar with mahakavya Raghuvansham, shishupalvadhham, nitishatkam avam and history of Sanskrit kavya Shashtra. Student will learn about the Hindu culture and historical poets.The students can handle various situations of life brilliantly with the help of the wise lessons that these Kavyas impart. |
| 12. | B.A.-1 st | Year | Sanskrit Kavya | Gadya SKT-DSC-102 (DSC-2) | The course aims to acquaint students with classical prose literature, Origion and development of prose. This course will enrich the students with stories form sukhnashopadesh and shivrajvijay. |

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| | | | | | Student will get moral education as well as old Indian customs. |
| 13. | B.A.-1 st | Year | Niti Sahitya | SKT-DSC-103 (MIL-1) Core Course | The purpose of Niti Sahitya is to develop the skill of students through imaginary and interesting stories as well as stories of Panchtantra and Hitopadesh. Such stories help the students in their brain development and help them in learning how to handle real life situations. The stories are the best guide to enroot moral values in children since each story has a moral lesson in its end. These stories are rich in Indian culture and values and are relevant to all communities. |
| 14. | B.A.-1 st | Year | Shrimadbhagvadgita Tatha Paniniya Shiksha | SKT-AECC-104 (Ablity Enhancement Compulsory Course) | Reading of Bhagvad Gita helps us to understand the importance of self-control and how to practice it. Gita tells us how to practice "Nishkam Karma" or action without desire. Gita helps the children to learn that it is necessary to understand the feelings of others, but it is not mandatory to agree with their opinion. Gita teaches the children to practise tolerance and forgiveness. Both these qualities are crucial to maintain and nurture relationship, develop feelings of empathy and love. Through this course the students will also gain knowledge about Upnishdas which are the last part of vedic Literature also known as "Vedant". Upnishad tells us that we have to incorporate the concept of ideal teacher and the ideal pupil. Along with this course the students will also go familiar with the basic Sanskrit grammar. |
| 15. | Annual | 1st year | Introduction to Political Theory | POLS 101 | After completing this course students will be able to know about the state, its arrangements, features and difference between state and society, and know about various dimensions of liberty equality and justice. |

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| 16. | Annual | 1st year | Indian Government and Politics | POLS 102 | After completing this course, the students will be able to know the colonial history of India along with working of Indian Constitution in practice and also able to know about various provisions in the Indian constitution and working of Indian parliament along with dynamic role of prime Minister in the smooth working of Indian govt. |
| 17. | Annual | 1st year | Philosophical Foundations of Education | EDN101 | After completion of the course students will be able to : Describe meaning and definition of Education, Philosophy and Values. Write aims and functions of Education. Relate Education and Philosophy. Compare Idealism, Naturalism and Pragmatism in context of Education. Plan strategies for inculcation of various values. |
| 18. | Annual | 1st year | Sociological Foundations of Education | EDN102 | After completion of the course students will be able to: Describe meaning, definition and characteristics of Education, Educational Sociology, Sociology of Education, Social Change, Social Groups, Socialization, Community and Culture. Write role and impact of teacher and school on Social Change, Cultural Development and community. Relate Education and Sociology. |
| 19. | Annual | 1st year | Physical Geography | GEOGP 101CC | Students will know about various aspects of geomorphology, climatology and Oceanography. |
| 20. | Annual | 1st year | General Cartography (Practical) | GEOGP 102CC | This course will introduce students about different aspects about map like scales, statistical diagrams example bar, line diagrams, climograph, hythergraph. They will also be introduced to map protections. |

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| 21. | Annual | 1st year | Introduction of Travel and Tourism Management | TTMC101 | After completion of this course, the students will be acquainted with the key concepts related to tourism. The students will have a basic understanding of tourism industry and will be familiar with some of the leading tourism destinations in India and abroad. |
| 22. | Annual | 1st year | Tourism Resources of India | TTMCGE 102 | After completing this course, the students will be able to define National Park, Wildlife Sanctuary, Biosphere Reserve, Religious Tourism, World Heritage Site and Cuisine. Further, the students will be able to describe various natural and cultural resources of India and their significance, including National Parks, Wildlife Sanctuaries, Biosphere Reserves, Desert tourism circuit, Char Dhams, World Heritage Sites, and Cuisines. |
| 23. | Annual | 1st year | Introduction to Sociology | SOCL-A 101 | Introduction to Sociology The paper is designed to introduce the students to the Discipline of Sociology and to familiarize students with the basic concepts in Sociology. It will help students provide basic understanding of the social structure of Society. Whereas at the end of the paper students would have understood the discipline and basic concept in sociology and social structure. |
| 24. | Annual | 1st year | Society in India | SOCL-A 102 | Society in India The Basic objective of this paper is to present a comprehensive and integrated profile of Indian society. This paper aims to analyse traditional features of Indian society. It will also acquaint the students with the distinctive features of the Indian society. The students will understand the issues & the social problems of Indian Society . |

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| 25. | Annual | 1st year | Music Instrumental | 101th 102PR | इस पाठ्यक्रम से विद्यार्थी शास्त्रीय संगीत (वादन यानि सितार) की आधारभूत शिक्षा की ओर एक कदम बढ़ाता है। वह वाद्य वादन की आरम्भिक शिक्षा वाद्य की जानकारी ,हस्त संचालन,स्वर ज्ञान,मिज़राव के बोल, वादन की तकनीकों को जानता है। लय ताल के साथ तबले की जानकारी भी दी जाती है। वाद्य पर सरगम निकालना सीखने के बाद ,उसे निर्धारित पाठ्यक्रम के अनुसार किर्यात्मक शिक्षा दी जाती है। |
| 26. | Annual | 1st year | Theory of Indian Music general and biographies. | MUSA-103 | This course provides an insight of few technical terminology of the subject in general,few musical styles of singing beside some biographies of Indian musicians who have made a niche in the field of music. |
| 27. | Annual | 1st year | Theory of Indian Music | MUSA101 | This is introductory part of the course that provides basic information to the students,opting music in their UG program.About 20% syllabus has been covered till date, as practical aspect of the subject is being carried along with the theory part. |
| 28. | Annual | 1st year | Theory of Indian Music | MUSA102 | This course is about the fundamentals of music,that will brief the beginners of the subject about the basic and technical terminology of the subject that is basically a practical subject. |
| 29. | Annual | 1st year | Practical Viva Voce | MUSA 104 | This practice course is based on some basic Ragas of Indian classical music, that is meant for the making of foundation of music learners.Along with the training in swar, sanyojan and understanding of leya(Rhythm) part,one has to learn the gimmicks of taal as well ,here in this course. |
| 30. | Annual | 2nd Year | Literary Currents | Cross ENG DSC 203 | Student will be familiar with Indian Writing in English, able to apply critical approach, can identify and understand the writing styles of Indian writers. |

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| 31. | Annual | 2nd Year | Translation Studies and Principles of Translation | ENG AEEC/SEC 205 | Student will learn and understand the translation, it's approach, methods, problems of translation. Student will come to know the history of Translation Studies in India, Indian concept of translation - Anuvaad, Rasa, Dhvani, Auchitya. |
| 32. | Annual | 2nd Year | Anivarya rachna punj | hindi BA/B COM 201 | Students will be familiar with the history of devnagri lipi the various dialects ,originated from devnagri lipi. The scientific and psychological improvements in the language ,students is also competent in typing in hindi by using various fonts and styles available in MS worlds. |
| 33. | Annual | 2nd Year | Core aadhunik kavita | course hindi BAHIND/202 | Students will be able to understand and identify the alankaar, raas, chhand and language. students will be familiar with modern hindi poets. |
| 34. | Annual | 2nd Year | Hindi gadya sahitya | BA HIND/203 | Students will be familiar with the basics hindi poetry and novels shorts stories . capable to apply critical approach in liture texts. |
| 35. | Annual | 2nd Year | Karyalyi hindi | SEC BA HIND /204 | Students will identify the official hindi and will be familiar with drafting noting in hindi language. Students will come to know about use of hindi in official work. |
| 36. | Annual | 2nd Year | Anuvaad bigyaan | BAHIND/206 SEC | Students will learn and understand the translation. Role of translation, principle, methods types of translation. Students will come to know the Indian concept of translation. |

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| 37. | Annual | 2nd Year | History of India from, C. 1206 to 1707 | Hist(A)203 | <p>After completion of this course students will come to know the Foundation, Expansion and Consolidation of Delhi Sultanate under slave, Khalji's, Tughlaq, Sayyad and Lodhi Dynasties. Also came to know the Regional political formations: Vijayanagar and Bahamani kingdoms, Second Afghan state under Sher Shah Suri and Foundation, Expansion and Consolidation of Mughal State. 17th century transitions, rise of Marathas and Sikhs are very important to the students of History to understand the struggle of Indians against Mughals.</p> |
| 38. | Annual | 2nd Year | History of India from, c. 1707 TO 1951 | Hist(A)204 | <p>After Completion of this course students will come to know the crises of Mughal Empire and Expansion & Consolidation of British Power. How New land Revenue Settlements played an important role in Commercialisation of Indian agriculture and De-industrialisation of Indian small scale industries. Social and reform movements played an important role in the rise of Indian Nationalism. Revolt of 1857 was a great event of this period. Indian National Congress played an important role in the Indian freedom movement under the leadership of Mahatma Gandhi. Growth of Communal politics and partition of India or Formation of Indian constitution these are the main events of Modern Indian history which are very important to the students of History.</p> |

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| 39. | Annual | 2nd Year | Historical Tourism | Hist(A)213 (Skill) | <p>After the completion of this course the students will come to know the different architecture style of Indian architecture. They also came to know the temple and Stupa architecture of India like Kandariya Mahadeva temple of Khajuraho and Sanchi Stupa. There are many buildings of Indo-Persian Architecture like Taj Mahal in Agra and Red Fort of Delhi. There are many popular tourist destination like Shimla, Kullu, Manali etc. in Himachal Pradesh. students of history will come to know how the historical building and monuments are playing an important role in the social or Economic life of the people of india.</p> |
| 40. | Annual | 2nd Year | Creative Writing, Book and Media Reviews | ENG AEEC/SEC 204 | <p>Student will be able to identify and can distinguish various literary forms like poetry, drama, fiction and prose.</p> <p>They will also be able to identify and distinguish various literary terms like plot, character, narrator, theme.</p> <p>Student will understand the technique of writing skills and importance of emphatic presentation in media reviews like books, films and TV.</p> |
| 41. | Annual | 2nd Year | An Introduction to Archaeology | HistA)215 (Skill) | <p>After the completion of this course the students will come to know the Archaeology of India, its origin and development. They also came to know the managing of archaeological evidence, documentation, codification, classification, analysis, findings and publications of the historical sources. Students of history will come to know the methods of surveying and techniques of excavation.</p> |

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| 42. | Annual | 2nd Year | British Literature | ENG202 | Through Literature teach certain grammar and literary skills to students. |
| 43. | Annual | 2nd Year | Literary Currents | Cross ENG203 | To teach literary skills |
| 44. | Annual | 2nd Year | English -2 English | Core ENG CE 201 | After completion of this course, student will be able to understand the various aspects of English grammar, it's use in English communication. They will also be able to understand the essays, stories and poetry by applying basic grammatical concepts. |
| 45. | Annual | 2nd Year | Principles of Macroeconomics-1 | ECONA201 | After completing this course the students will be able 1) to understand and differentiate Micro and Macro concepts and paradoxes of economics, 2) to explain and measure National Income, 3) to determine the levels of output, income and employment as per the point of view of Classical and Keynesian economics, 4) to calculate the APC, MPC and MEC, 5) to analyse the impact of change in supply of money and demand for money on economic variables, 6) to summarise the implications of changes in monetary policy instruments of RBI. |

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| 46. | Annual | 2nd Year | Principles of Macroeconomics-II ECONA202 | After completing the course the students will be able: 1) to define multiplier and acceleration principle, 3) to explain the reasons for economic fluctuations, 3) suggest the remedies for price control ,4) to demonstrate the causes of unemployment and suggestions thereof. 5) analyse and compare the fixed and flexible exchange rate system. 6) to prepare the balance of payment account. |
| 47. | Annual | 2nd Year | Economics of Rural Development ECONA 204 | After teaching of this course, students will be familiar with monetised and non-monetised sector in rural economy and income generation from agriculture sector and rural indebtedness in rural areas. After study this course they will be able to find out the problems of unemployment and rural indebtedness and also will able to take necessary steps to solve the problems of these current issues. |
| 48. | Annual | 2nd Year | Statistical Methods-I ECONA 203 | After completion the course work, the students will be familiar with measurement of central tendency mean mode Medium and dispersion Correlation, Regression Along with the students will be able to find out what is the Coefficient of variation, Lorenz Curve Correlation type of regression, The outcome of the students' progress on the basis of class test and presentation |
| 49. | Annual | 2nd Year | Statistical Methods-II ECONA 205 | This course introduces the students to collection and presentation of data. It also discusses how data can be summarized and analyzed for drawing statistical inferences. The students will be introduced to important data sources that are available and will also be trained in the use of free statistical software to analyze data. Students will be able to understand |

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| | | | | | the concept of correlation and regression, construct and interpret index numbers for economic variables. Measure and evaluate components of time series. |
| 50. | B.A.-2 nd | Year | Sanskrit Natak | SKT-DSC-201 (DSC-1) | Students here learn about Abhigyanananshakuntalam and Pratima Natak. They will know about the different aspects of rasas, alankar used in these plays. Student come to know about different human emotions.Natak help the students in shaping cognitive, effective and behavioral abilities of students. |
| 51. | B.A.-2 nd | Year | Sanskrit Vyakaran | SKT-DSC-202 (DSC-2) | Student will be familiar with Sanskrit grammar. Student will learn about sangya prakaran, sandhis and karak. Student will be able to write sentences in Sanskrit. |
| 52. | B.A.-2 nd | Year | Vyakaran Syonjan | Evam SKT-DSC-203 (MIL-2) | This course aims to get the students to know the basics of Sanskrit grammar including Sandhi,Karak and Vibhaktyarth Prakarana based on Laghusidhant kaumudi a primer of paninian grammar. Student will learn about sangya prakaran, sandhis and karak. Student will be able to write sentences in Sanskrit. |
| 53. | B.A.-2 nd | Year | Ayurved Ke Sidhant | Mool SKT-AEEC-205 (SEC-1) | After studying this course the students will go familiar with basic knowledge about history and role of Ayurveda in our daily life. Ayurveda helps to reclaim health with balanced dietary guidelines ,effective sleep pattern ,home remedies,daily and seasonal routine,yoga and exercise patterns.The students will also go familiar with three fundamental doshas ;Vata, Pitta and Kapha.Good health is considered to be a state of balance of between the doshas. |

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| 54. | B.A.-2 nd | Year | Sanskrit Chhand Evam Gayan | SKT-AEEC-206 (SEC-2) | After studying this course the students will go familiar with basic knowledge of Vedic and Laukik Chhandas. The students will also learn history and role of chhandas in vedic Mantaras. Chhandas helps us to find out whether a Mantra or Sukta that is being taught or chanted has come down to us in its true form. Chhandas also help in giving shape to poetic thought and imaginations. |
| 55. | Annual | 2nd Year | Comparative Government and Politics | POLS 201 | In this course, after course completion, student will be able to know about nature, scope and utility of comparative politics along with understanding of the difference between democratic regime and authoritarian regime. |
| 56. | Annual | 2nd Year | Introduction International Relations | to POLS202 | After having completed this course, the students will be able to know about nature, scope of international relations, world system approach dependency model, emerging centres of power in international politics like, Japan and China. |
| 57. | Annual | 2nd Year | Legislative Support | SEC-POLS 203 | After completing this course, the students will be able to know the actual working of local self-government in our country and also have the knowledge of legislative process. |
| 58. | Annual | 2nd Year | Public Opinion and Survey Research | SEC-POLS 204 | After having completed this course, the student will be able to know the importance and role of public opinion in political system and also having the knowledge of sampling, interview and quantitative data analysis. |
| 59. | Annual | 2nd Year | Psychological Bases of Education | EDN201 | After completion of the course students will be able to : Describe meaning, definition and characteristics of Psychology, Educational Psychology, Growth and Development, |

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| | | | | Intelligence and Creativity. Discuss Case Study, Clinical Method and Observational Method. Relate Education and Psychology. Compare various tests for measurement of intelligence and creativity. Plan strategies for application of Educational Psychology in teaching-learning process. |
| 60. | Annual | 2nd Year | Development of Education in India EDN202 | After completion of the course student will be able to: Write salient features of Vedic Education, Buddhist Education and Islamic Education. Describe the contribution of various committees and commissions on Education. Discuss development of Indian education in Post Independence era. |
| 61. | Annual | 2nd Year | Yoga EDN203 | After completion of the course students will be able to: Write meaning, definition and objective of Yoga. Discuss significance of Bhakti Yoga, Gyan Yoga and Karma Yoga. Describe salient features of Ashtanga Yoga of Patanjali. Categorize various aspects of Yoga. Explain the role of Yogic techniques for stress management. |
| 62. | Annual | 2nd Year | Life Skills Education EDN204 | After completion of the course students will be able to: Write meaning, definition and components of Life Skills. Discuss types of Life Skills. Describe need, importance and area of application of Life Skills Education. |

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| | | | | Explain various methods and techniques for developing Life Skills. | |
| 63. | Annual | 2nd Year | Human geography | GEOGP201CC | In this course, students will be acquainted with concepts of human geography like population distribution, density, growth, their world patterns etc. They will also learn about different races, religions and languages of world, types of settlement patterns in the world. |
| 64. | Annual | 2nd Year | Environmental Geography | GEOGP202CC | In the end of this course, students will know about relationship of human beings with environment. They will learn about what is ecosystem, ecology, different ecosystems of world, biomes of world. They will also learn about approaches to study of geography like determinism and possibilism. Some environmental movements are also discussed in the course. |
| 65. | Annual | 2nd Year | Regional Planning and Development | GEOGP203SEC | This course will come to know about the concept of region, planning, regional planning, their types, deliencation of planning region. They will also come to know about planning models; core periphery, growth pole. Some indian planning models like DVC, ITDP are also dicussed in course. |
| 66. | Annual | 2nd Year | Remote Sensing and GPS | GEOGP204SEC | This course introduces students to concept of remote sensing, it's types, platforms used for it. At the end of course, students will be acquainted with aerial photography, satellite imageries, their principles, geometry. In this course they will also learn about GPS and it's uses. |
| 67. | Annual | 2nd Year | Travel Agency & Tour Operation | TTMC201 | After the completion of this course the students will have an understanding of the tourism industry and its operation |

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| | | | | | including linkages in tourism industry and tourism supply chain. The students will be able to describe the meaning, functions and history of Tour operator and Travel agency. Further, the students will be able to describe various types of tour operators, itineraries and tour packages. |
| 68. | Annual | 2nd year | Tourism Marketing | TTMC202 | On completing this course, the students will be able to gain an understanding of the various concepts related to tourism marketing including marketing principles, Marketing mix, Promotion mix and they will be able to describe the importance of marketing, leadership and communication skills in marketing. The students will also have an understanding about the role of associations in promotion of tourism with special reference to Government of India and Himachal Pradesh. |
| 69. | Annual | 2nd Year | Tourism Organizations & Associations | TTMC -204 | After the end of this course, the students will have knowledge about various tourism related associations and organisations including UNWTO, PATA, UFTAA, IATA, WATA, ICAO, WTTC, TAAI, TAFI, FHRAI, IH&RA, Ministry of Tourism, ITDC, HPTDC, SAARC, ABVIMAS, NIM, HMI, IMF and their roles in development of tourism. The students will also be familiar with city and Airport codes of Asian region, and MICE tourism. |
| 70. | Annual | 2nd Year | Practical- Field Tour | TTMC 205 | This course aims to give practical exposure to the students about tourism destinations of the country. |
| 71. | Annual | 2nd Year | Sociological Theories | SOCL-A 201 | Sociological Theories Human behavior is complicated, |

especially when it comes to how we interact with each other and the world around us. Sociological theories are organized sets of ideas that help us make sense of human behavior. Sociological theories can be small, explaining single actions in the scope of a social situation. Theories can also attempt to explain the vast phenomena of human behavior or give us a new way of looking at behaviors we have seen all our lives. Understanding of these theories will help students to predict the future and how humans will cope with our changing world.

72.

Methods of Social Enquiry

The Methods for Social Inquiry offers practical instructions for qualitative and multi-method research. This paper offers clear, straightforward, and concrete guidance for teaching and using methods and focuses on the 'how-to' of the methods they discuss - the practical tasks that must be undertaken to effectively employ them. Social Inquiry (SI) course focuses on probing questions that are of social nature; for example pertaining to social arrangements, human behavior, and forms of social, political, and economic organization.

Annual

2nd Year

Methods of
Sociological Enquiry SOCL-A 202

73.

Techniques of Social Research
This paper tries to make the students understand the historical methods which implies the use of research. It also realizes the scope of research and its relevance in social science. The basic scope of social research is to understand sooner or later

Annual

2nd Year

Techniques of Social
Research SOCL-A 203

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| | | | | | but correctly the nature of social events & processes & though this is done without any motive of particular reforms the conclusions cannot be ruled out. |
| 74. | Annual | 2nd Year | Sociology of Environment | SOCL-A 204 | <p>Sociology of Environment</p> <p>The paper will help the students of BA-2 to stretch the conceptual and theoretical boundaries of both environmental and mainstream sociology, to highlight the relevance of sociological research for environmental policy and management, to disseminate the results of sociological research, and to engage in productive dialogue and debate with other disciplines in the social, natural and ecological sciences.</p> |
| 75. | Annual | 2nd Year | Introduction to Radio and TV | BJMCPAC201 | <ul style="list-style-type: none"> • Students will be able to identify several formats of radio programmes including news stories, radio drama, music, Interviews, education, radio commentary on public events, youth and armed forces. • Students will recognize the structure and history of the radio industry will be able to work in professional atmosphere of radio station. • Students will outline the relationship of each personnel inside a radio station. • The students will memorize basic evolution of TV industry and its growth in India. • Students will be able to illustrate the basics of TV genres and essentials of TV journalism. • Students will be able to identify several formats of Television programmes including news stories, current affairs, documentary, discussions, talk shows, game shows, educational programme, lifestyle, travel & foods, religious |

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| | | | | discourse, Soap opera, Interviews, events- live and recorded, sports, etc. |
| 76. | Annual | 2nd Year | Advertising and Public Relations BJMCPAC201 | <ul style="list-style-type: none"> • The students will be able to understand the different theoretical perspective of advertising and public relations. • The students will memorize basic evolution of advertising industry and its growth in India. • Students will be able to illustrate the basics of public relation genres and essentials of PR. |
| 77. | Annual | 2nd Year | New Media Communication BJMCPAC202 | <ul style="list-style-type: none"> • Student will be able to explain New Media, its origin and evolution and impact on readers, business and society. • Student will be able to distinguish New Media from print and electronic media. • Student will identify the milestones of internet journalism in India and worldwide. • Student will be able to define important terms of digital world. • Student will be able to explain the role of a New Media Journalist. |
| 78. | Annual | 2nd Year | Reporting, Editing and Feature Writing BJMCPAS203P | <ul style="list-style-type: none"> • After completion of this course students will be Write various types of features for newspapers and magazines. • Write different leads, headings, the body text and ending. • Demonstrate interviewing and newsgathering skills Display editing skills including proof reading and headline writing |
| 79. | Annual | 2nd Year | Skill for New Media BJMCPAS204P | <ul style="list-style-type: none"> • Students will be able to create blog page. • Students will be able to do the online news gathering. |
| 80. | Annual | 3rd Year | Pedagogy of Education EDN301 | After completion of the course students will be able to: Write meaning, concept and |

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| | | | | | characteristics of Pedagogy. Discuss salient features of various teaching methods and techniques. Categorize various pedagogical approaches and skills. Explain need, importance and use of learning resources in Education.. |
| 81. | Annual | 3rd Year | ICT in Education | EDN302 | After completion of the course students will be able to: Write meaning and characteristics of ICT. Discuss role and challenges of ICT in teaching learning process. Describe concept, process, principal, modes and barriers of communication. Explain the role of computers, AVRI, CCTV in teaching learning process. Compare new trends in ICT. |
| 82. | Annual | 3rd Year | Educational Management | EDN303 | After completion of the course students will be able to: Write meaning, nature, scope and characteristics of management and leadership. Discuss various types of management and leadership skills. Describe factors affecting managerial behavior. Explain salient features of managing teaching learning process. |
| 83. | Annual | 3rd Year | Inclusive Education | EDN304 | After completion of the course students will be able to: Write concept, meaning, need and importance of inclusive education. Discuss meaning, type and identification of children with special needs. Describe techniques, aids, policies and programs for the education of CWSN. |
| 84. | Annual | 3rd Year | Education for Peace | EDN305 | After completion of the course students will be able to: |

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| | | | | Write meaning, concept and need of Education for Peace . Discuss ways to promote peace in the classroom and role of teacher as peace builder. Describe role of various agencies of Peace Education. Explain various methods for Peace Education. Analyze the philosophies of Gandhiji, Krishnamurthy J., and Montessori as resources for Peace Education. |
| 85. | Annual | 3rd Year | Educational Thoughts and Practices EDN306 | After completion of the course students will be able to: Discuss educational thoughts of prominent Western Philosophers. Describe contribution of various Indian Philosophers to Education. |
| 86. | Annual | 3rd Year | Geographic Information System GEOGP301SEC | This course acquaints students with the concept, history of GIS. The students at the end of this course will know about GIS data structures, concept of georeferencing, editing and attribute data integration. |
| 87. | Annual | 3rd Year | Field Techniques and Survey based Project (Practical) GEOGP302SEC | At the end of this course, the students will know about different field survey techniques used in geography by practically conducting a survey and preparing a project report. |
| 88. | Annual | 3rd Year | Geography of India BAGEOGP303 1-DSE | This student will learn about both physical and cultural aspects of geography of India. They learn about mechanism of monsoons, types of soil, vegetation etc. In cultural aspects, demographic structure of India is discussed. Besides this, other aspects like major industries, crops, |

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| | | | | | horticulture and hydro power projects are discussed. |
| 89. | Annual | 3rd Year | Disaster Management | GEOGP304-2DSE | This course makes student understand about the concept of disaster, various natural and human induced disasters. After completion of course, they will know also know about concept of disaster management and the institutional structure related to it in India. |
| 90. | Annual | 3rd Year | Disaster Reduction | Risk GEOGP305-GE1 | The students will know about concept, types of disasters whether it is natural or human induced. They will learn about the concept of hazard, vulnerability, disaster management and it's institutional structure. |
| 91. | Annual | 3rd Year | Sustainability and Development | and GEOGP306-GE2 | Students will known about the concept of sustainability, Millennium Development goals, Inclusive development in education and health. They will know about sustainable development policies and programs. |
| 92. | Annual | 3 rd year | Rangaalekh rangmunch | avam BA HIND/301 | Student will be familiar with Indian plays written by Indian writers, able to understand and identify the writing styles of these playwrights. |
| 93. | Annual | 3 rd year | Lok sahitay | BA HIND/303 | Students will able know the value and importance of folk literature in hindi. Students will able to understand the folk idioms and phrases , there meaning and use in hindi literature. |
| 94. | Annual | 3 rd year | Aadhunik sahitya | bhartiya BAHIND/304 | Students will be familiar with the changes in indian hindi literature after freedom, the various novels and plays written during their period of pre independence and their impact on modren india. |

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| 95. | Annual | 3 rd year | Generic Elective Contemporary India: Women and Empowerment | ENG GE- 306 | This course is about women empowerment with special emphasis upon the key concepts like sex and gender, feminism, patriarchy. |
| 96. | | | | | This course will help the students to develop their personality through Shrimadbhagvad Gita. Personality development is an organization of individual's behaviour pattern for development of divine traits and manipulating of demoniac traits through the three disciplines of action, knowledge and devotion based on Bhagavad Gita |
| | B.A.-3 rd | Year | Vyaktitav Vikas Ka Bhartiya Drishtikon | SKT-DSE-301 (DSE-1) | |
| 97. | | | | | Through this course the students will go familiar with definition, types, purpose of literature. We know that Literature is the mirror of life and it deals with everything related to our life. It helps the students to improve sensibility and provides with a certain depth of perception. It helps students to widen outlook and develop personality. Literature brings about a harmonious development of the human mind to create a balanced personality. It can help the students to get rid of bad emotions like anger and develop positive emotions like love and sympathy for others. |
| | B.A.-3 rd | Year | Sahityik Samalochna | SKT-DSE-302 (DSE-2) | |
| 98. | | | | | Studying Indian Theatre teaches students to trust their ideas and abilities. It provides an outlet for making creative choices and thinking new ideas. It promotes compassion and tolerance for others. Reading Indian Theatre develops a sustained focus of mind and body. Legends, myths, poems, stories and plays used in Indian Theatre teach students about social issues and conflicts from cultures past, present all over the world. |
| | B.A.-3 rd | Year | Bharitiya Rangshala | SKT-AEEC-305 (SEC-3) | |

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| 99. | B.A.-3 rd | Year | Bharitiya Vastushastra | SKT-AEEC-306 (SEC-4) | Vastushastra is an ancient traditional system of designing and building. It helps the students to find opportunities in job and business, good health, getting new thoughts and gaining status etc. The course provides the students with an opportunity to gain practical knowledge about Vedic Vastu. It enables the students to establish a connection between the physical environment and quality of life. |
| 100. | B.A.-3 rd | Year | Patanjal Yogsutra | SKT-GE-303 (GE-1) | Patanjal Yogsutra teaches the students how to control our changing states of mind. Patanjali Yogsutra serve as a guide to attain wisdom and self realization through Yoga. It help students to understand how our thoughts get in the way of our own happiness. It also teaches that knowledge is the path to enlightenment. After learning Patanjali Yogsutra the children also came to know the true meaning of Yoga is the union of body, mind, soul and spirit. The students will go familiar with "Ashtang Yog" which is beneficial for physical and mental health. |
| 101. | B.A.-3 rd | Year | Bhasha –Vigyan Ke Mool Sidhant | SKT-GE--304 (GE-2) | After studying this course the students will learn the definition of language, structure of language, features of language, classification of language, cause of changing of language and the role of phonic sounds in language. Through this course the students will gain the deep and basic knowledge of language. |
| 102. | Annual | 3 rd year | Chhayabadotar hindi kavita | HIND/601 | Students will be able to understand and identify the alankaar, raas, chhand and language. Students will be familiar with modern Chhayabadotar hindi kavita. |
| 103. | Annual | 3 rd year | Smachaar sankalan or lekhan | BA HIND/602(SEC) | Students will come to know the fundamentals of journalism by the means of newspapers. Students will learn the principles, sources, formation and all the |

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| | | | | | basic techniques required to make an emphatic news. |
| 104. | Annual | 3rd Year | Technical writing | ENG AEEC/SEC-301 | To teach writing skills for technical writing to students |
| 105. | Annual | 3rd Year | Business Writing | ENG AEEC/SEC-302 | To teach business writing skills to students |
| 106. | Annual | 3rd Year | Marriage Family and Kinship | SOCL-A 304 | <p>Marriage Family and Kinship</p> <p>The paper defines the concept of family, marriage and kinship. It lists the main characteristics of family, marriage and kinship and discusses the functions of family. The paper helps the students in explaining the significance of marriage. It eventually describes the rules of marriage and degree of kinship; and discusses the types of family and marriage found in India.</p> |
| 107. | Annual | 3rd Year | Social Stratification | SOCL-A 305 | <p>Social Stratification</p> <p>No society is classless or without strata. Stratification is part and parcel of social life. Every society defines a means of categorising each person into a particular social group. The placement of each individual in turn determines his value, as defined by the larger society; hence, the greater role of society in defining every person's value. Differences in values and statuses of individuals engender stratification in the society. The need to include this paper for the students is to make them understand and describe the primary perspectives on social stratification.</p> |

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| | | | | <p>The course examines their own social status position in comparison to classmates.</p> <p>It evaluates the data comparing social status position to sociological theories.</p> |
| 108. | Annual | 3rd Year | Polity and Society in India SOCL-A 307 | <p>Polity and Society in India</p> <p>This paper prescribed for students of BA-3 (Sociology) discusses the social system in India</p> <p>It explains the elements of diversity in India and explains the meaning and importance of national integration. The students after reading this paper will be able to analyse the problems and issues against national integration in india. The course highlights the present day caste politics in india.</p> |
| 109. | Annual | 3rd Year | Economy and Society SOCL-A 308 | <p>Economy and Society</p> <p>The course foreground the intense relationship between the both. The students will understand that the existence of an economy is essential to the formation and sustenance of society. The students will also know that every society has its own economy, and every economy reflects the needs and cultural attributes of society, as well as the major traits of the civilization in which it lives.</p> |
| 110. | Annual | 3rd year | Tourism Guiding/Escort Services | <p>At the end of this course, the students will be familiar with the Guide, Escort, various adventure activities, and Travel Documents including Passport, Visa and Insurance . The students will be able to describe roles of tour Guides, history of Guiding, Guide registration process, communication skills for tour guides, roles, responsibilities, allowances and characteristics of Escort. Alongwith, the students will be able to define and describe Passport, Visa and their types.</p> |

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| 111. | Annual | 3rd Year | Hotel & Resort Management | TTMC301 | After studying this course, the students will be familiar with the history of accommodation and its types, categories, different departments (and their functions) and procedures in accommodation industry, along with the case studies of various leading accommodation chains in India. |
| 112. | Annual | 3rd Year | | TTMC303 | After studying this course, the students will be familiar with various modes of transportation in tourism, their historical developments and roles in promotion of tourism. The students will be able to describe Air Transport- services type, seat types and booking and cancellation procedures; Water transport types; Road Transport- Types, schemes and passes; and Rail Transport including Luxury Tourist trains and Mountain trains. |
| 113. | Annual | 3rd Year | Researching Hospitality & Tourism Management(GE) | TTMC304 | At the end of this course, the students will have understanding of Research in Tourism and Hospitality Management and they will be able to describe its importance, types, major research areas, challenges, planning process. Further, they will be familiar with Hypothesis, sampling techniques, data collection methods, field work and report writing. |
| 114. | Annual | 3rd Year | Project Work | TTMC306 | This course work is an opportunity and examination of the students about their understating of tourism subject. |
| 115. | Annual | 3rd Year | Leadership Development Program(GE) | TTMC310 | This course aims to sensitize the tourism students towards the ground level reality of tourism and practicums that attempt to connect classroom learnings with real time environment. |
| 116. | Annual | 3rd Year | Democratic awareness Legal Literacy | with SEC-POLS 303 | After completing this course, students will learn about the working of criminal and civil codes, and also having the knowledge of juvenile justice act 1986. |

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| 117. | Annual | 3rd Year | Themes Comparative Political Theory | in POLS 301 | After completing this course, the students will be able to know difference between Indian and Western political thought especially will know J.Lock's views about natural rights. |
| 118. | Annual | 3rd Year | Understanding Globalization | POLS 302 | In this course student will be able to learn about concept of globalization, privatization and liberalization after post-cold war era with special reference to disintegration of USSR in the year 1991. |
| 119. | Annual | 3rd Year | Conflict and Peace Building | SEC-POLS 304 | After completing this course, the students will be able to know about the conflict and its management and transformation, and role of ideology in international politics. In addition to this, students will also acquire knowledge of track-1 and track-2 diplomacy in international politics. |
| 120. | Annual | 3rd Year | Indian Economy | ECONA 301 | This course seeks to enable the students to grasp the major economic problems in India and their solutions. |
| 121. | Annual | 3rd Year | Development Economics | ECONA305 | The students will be familiar with measurement of features of undeveloped country, Economic development and Economic growth measurement of Development a growth, recent Employment generate polices, Along with the students will be able to find out what is the nature of Undeveloped Economy special reference of Indian Economy and inverse U hypothesis curve The outcome of the students' progress on the basis of class test and presentation |
| 122. | Annual | 3rd Year | Research Methodology | ECONA 309 | The students will be familiar with collection of data like that primary data classification of data analysis of data features of a good questionnear Use of statistical tools t test F test regression and correlation Coefficient Along with the students will be able to find out what is significance of different test in Research, The outcome of the students progress on the basis of |

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| | | | | | primary data collection and their result and class test |
| 123. | Annual | 3rd Year | Public Finance | ECONA 310 | At the end students will be able to: 1. Understand and differentiate public finance and public finance 2. Examine the concept of maximum social advantage, keeping in view market failure and free riders 'problem 3. Understand the various resources of government revenue 4. Outline the impact and theories of public expenditure and public debt 5. Interpret and elaborate the concept of budget and budget estimates 6. Evaluate the Center- State financial relations in India |
| 124. | Annual | 3rd Year | Money and Banking | ECONA 311 | At the end of the course the students will be able: 1. To understand the concept of money and system of note issue in India 2. To analyse the Indian money and capital markets 3. To discuss the monetary management and instruments of money control 4. To examine the banking sector reforms after independence 5. To evaluate the role of RBI in Indian economic development |
| 125. | Annual | 3rd Year | Economy of Himachal Pradesh | ECONA 313 | This course highlights the basic features, characteristics and development of issues of the Himachal Pradesh economy. |
| 126. | Annual | 3rd Year | Indian Economy | ECONA 314 | This course seeks to enable the students to grasp the major economic problems in India and their solutions. |
| 127. | Annual | 3rd Year | Music Instrumental | 301PR,301PR, (SEC) 303TH,304PR,305TH,306PR(DSE) 307TH,308PR(GE) | विद्यार्थी पाठ्यक्रम के अनुसार शास्त्रीय संगीत (सितार) की महत्वपूर्ण जानकारी व समझ प्राप्त कर लेता है। वह अपनी रुचि वह योग्यतानुसार कलात्मक अभिव्यक्ति मंच द्वारा कर सकता है व |

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| | | | | स्नातकोत्तर शिक्षा प्राप्त कर जीविकापार्जन का रास्ता प्रशस्त कर सकता है संगीत GE विषय चयनित करने वाले विद्यार्थी को अपने राज्य हि०प्र० के लोक संगीत के साथ साथ शास्त्रीय संगीत व सितार की आधारभूत जानकारी प्राप्त होती है तथा जो उनकी स्वयं अर्जित कला में निखार लाती है। | |
| 128. | Annual | 3rd Year | 1)Modern and contemporary world History 1: 1870-1919 | Hist(A)305 | After the completion of this course the students will come to know the main events of world History like unification of Italy and Germany, European hegemony and inter-imperialistic rivalries conflicts within Europe. They also came to know the emergence of USA after the civil war. Students of history will also come to know Japan's emergence as a world power, Reasons of first world war and its aftermath. |
| 129. | Annual | 3rd Year | Modern and contemporary world History 2:1919-1992 | Hist(A)307 | After the completion of this course the students will come to know the main events of world History like Versailles to Locarno treaties and their political consequences, League of nation, USA, USSR and Era of the great Depression. They also came to know the reasons of second world war, wartime diplomacy, defeat of the totalitarian state and emergence of the new world order, UNO, aims and objectives. Students of history will also come to know the Cold War, its ideological and political origins, NATO, SEATO, CENTO, Warsaw Pact and concept of globalization. |
| 130. | Annual | 3rd Year | Indian History and culture | Hist(A)317 (Skill) | After the completion of this course the students will come to know Environment, Culture Tradition & practices a historical overview. They also came to know oral and codified information of medicine plants and water & water bodies. Students of history will also come to know the urbanization & urbanism, issue of |

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| | | | | settlements & landscapes issues of violence and Fair & Festival in India. | |
| 131. | Annual | 3rd Year | Theory of Indian Music & study of ancient granthas & Ragas. MUSA 303TH | This course is designed to provide the students of 3rd.year an insight into the history of this Fine Art,that has been declared as a subject like others but it is simply a fine Art that is more practical than theoretical.So here in this course students are provided with the knowledge of our anicant granthas, Ragas and taals with expended forms of the each one.Almost a foundation for the PG course if someone wants to go for the same. | |
| 132. | Annual | 3rd Year | MUSA 304PR | Practical Indian Music vocal/instrumental | This course is designed to give detailed information and expended form of Raags those , students of music learnt in the early courses and a few little difficult raagas for these students to make them understand the depth of this art form that is very vast in all its forms. |
| 133. | Annual | 3rd Year | Theory of Indian Music and Gharana Traditions vocal/instrumental | MUSA 305 TH. | This course along with expended knowledge of technical terminology of different specific terms , provides in-depth knowledge of Gharana system of Indian Classical music both in vocal and instrumental music. |
| 134. | Annual | 3rd Year | Practical Indian Music (vocal and instrumental) | MUSA 306 PR (vocal/ Instrumental) | This course is again providing in-depth knowledge of practical aspect of Classical music both in vocal and instrumental music. |
| 135. | Annual | 3rd Year | Community and Traditional Media | BJMCPAD301 | □ The students will be able to understand the concept of community and traditional media. |
| 136. | Annual | 3rd Year | Introduction to Photojournalism | BJMCPAD302P | <ul style="list-style-type: none"> Describe the fundamental concept of the medium of photography; Combine the science and art on photography relate the history of the medium, |

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| | | | | Design storytelling through this visual medium. |
| 137. | Annual | 3rd Year | Communication Skills | BJMCPAS303P |
| | | | | <ul style="list-style-type: none"> • Students will be able to understand the difference of News photography from other photography and importance of photographs in news. • Students will be able to take photographs. |
| 138. | Annual | 3rd Year | Film Appreciation Skills | BJMCPAS304 |
| | | | | <ul style="list-style-type: none"> • Students will select the Language of Cinema and fundamentals of film form and content. • Students will understand the relationship between theory and practice. • Students will be classifying various fascinating aspects of Cinema. • Students will be able to define the crucial fine points that make Cinema. <p>Students will be capable to create a simple script and implement a shoot based on the same</p> |
| 139. | Annual | 3rd Year | Media and Culture | BJMCPAGE301 |
| | | | | <ul style="list-style-type: none"> • Students will be able to write and discuss on the issues related to media, culture and society • Students can easily recognize the impact of mass media on culture and society. |

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| 140. | Annual | 3rd Year | Introduction to Visual Communication | BJMCPAGE302 | 1. Visual communication applies the fundamentals of major art forms for professional problem-solving. It is the conveyance of ideas and information in forms that can be read or looked upon. 2. This unit will introduce students to the history, forms, elements, theories, meaning, and principles of visual communication. |
| 141. | Annual | 3rd Year | Soft Skills | ENG DSE 303 | This course makes the students know about and learn the soft skills required in professional life. The course also includes class room activities which help the students practically make use of the soft skills. |
| 142. | Annual | 3rd Year | Academic Writing and Composition | ENG DSE 304 | This course helps the students the various techniques involved in Academic writing and composition. The course makes them learn the art of writing in context with academic writings. |

Bachelor of Science

| Sr. No. | System | Year/Semester | Subject | Subject Code | Course Outcomes |
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| 1. | Annual | 1st Year | Problem Solving Using Computer | COMP101TH | <ul style="list-style-type: none"> Learn the basic and introduction of computer Identity categories of computer, identify basic hardware components, discuss how information is processed Concept of problem solving, Problem definition, Program design, Debugging, Types of errors in programming, Documentation. Structure of a Python Program, Elements of Python, Python Interpreter, Using Python as calculator, Python shell, Indentation. Atoms, Identifiers and keywords, Literals, Strings, Operators |
| 2. | Annual | 1st Year | Office Automation Tools | COMP102TH | <ul style="list-style-type: none"> Word Processing: FormattingText, Pages, Lists, Tables Spreadsheets: Worksheets, formatting data, creating charts and graphs, using formulas and functions, macros, Pivot Table) Presentation Tools: Adding and formatting text, pictures,graphic objects, including charts, objects, formatting slides, notes, hand-outs, slideshows, using transitions, animations |
| 3. | Annual | 1st Year | Mechanics | PHYS101TH | <p>Learning Outcomes:</p> <p>Upon completion of this course, students will acquire knowledge about fundamentals of mechanics, Newton's laws, concept of centre of gravity and moment of inertia, importance of frictional force in real world problems, advantages of using machines, relativity and effect of forces for different phenomenon when the bodies are in motion.</p> |

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| 4. | Annual | B.sc 1 st year | Electricity Magnetism & EMT | PHYS-102TH | Electricity and magnetism are two most essential concepts of physics after studying these subjects students gets complete knowledge of flow of current, potential difference and electric files. Today computers and motors are both powered by electricity Magnetism also provide complete knowledge of various magnetic materials and their importance. Hence this branch of physics is of great importance in daily life as well as commercial purpose |
| 5. | Annual | 1st year | Differential Calculus | MATH101TH | After completion of this topic students come to know about basic of Calculus...limit and continuity, differentiability, Leibnitz theorem, important theorems concavity convexity asymptotes singular points polar coordinates partial differentials |
| 6. | Annual | 1st year | Differential Equations | MATH102TH | After completion of this course students become familiar with the basic theory of differential equations. They will be able to define and solve exact differential equations. They will be capable to solve higher order differential equations by using standard and special methods. They will be in a position to define Cauchy-Euler and Legendre Equation. They will learn to define and solve partial differential equations. |
| 7. | Annual | 1st Year | Environment Science | ENVSAECC002 | Learning Outcomes: Upon completion of this course, students will acquire knowledge about about different environmental problems like global warming, ozone layer depletion and different kind of pollutions and their solutions. Student will also gain knowledge about ecosystem, biodiversity and its conservation. |

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| 8. | Annual | 1st year | Biodiversity | BOTA 101 | Students will be well acquainted with knowledge of plant biodiversity existing in the nature regarding its variety, variability, identification, modes of multiplication and economic importance in nature |
| 9. | Annual | 1st year | Plant ecology and taxonomy | BOTA 102 | Students will be familiar with the identification, naming and classification of plants on the basis of their needs and interrelationships with environment how organisms influence the nature |
| 10. | Annual | 1st year | Animal Diversity | ZOOL101TH | Students will understand the classification, structure, function and biology of non-chordates & chordates of different taxonomic phyla and classes. They will also learn some special topics like locomotion in protozoa, canal system in porifera, polymorphism, metamerism, torsion and detorsion, metamorphosis, vision, larval forms, osmoregulation, parental care in amphibians, poisonous and non-poisonous snakes, snake bite, migration of birds and phylogeny in chordates. |
| 11. | Annual | 1st year | Comparative anatomy and developmental biology of vertebrates | ZOOL102 TH | Students will understand the structures of different systems such as integumentary, skeletal, digestive, respiratory, circulatory, urinogenital, nervous and sensory organs in comparative way among the vertebrate groups. Students also learn the different aspects of early, late, and postembryonic developments. They will have the knowledge about implications of developmental biology in various fields, such as in teratogenesis, stem cell biology, in vitro fertilization, cryopreservation etc. |
| 12. | Annual | 1st Year | chemistry | CHEM 101TH | After completion of this course student will be familiar with the theoretical concepts of chemistry. Role and importance of this course is to provide knowledge about inorganic as well as organic chemistry in research field and it is a challenge to make most important concepts and methods understandable to the undergraduate students. |

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| 13. | Annual | 1st Year | chemistry | CHEM 102TH | After completion of this course student will be familiar with the theoretical concepts of chemistry. Role and importance of this course is to provide knowledge about physical as well as organic chemistry in research field and it is challenge to make most important concepts and methods understandable to the undergraduate students. |
| 14. | | | | | To provide basic writing skills to the students through given topics. |
| | Annual | 1st year | Writing skills | ENG AECC 104 | |
| 15. | | | | | <ul style="list-style-type: none"> • Learn about the Logic gates, Boolean algebra, combinational circuits, circuitsimplification, flip-flops and sequential circuits, decoders, multiplexors, registers, counters and memory units. • Number systems, complements, fixed and floating-point representation, character representation, addition, subtraction, magnitude comparison. Computer registers, bus system, instruction set, timing and control, instruction cycle, memory reference, input- output and interrupt. • Register organization, arithmetic and logical micro-operations, stack organization, micro programmed control, Instruction formats, addressing modes, instruction codes, machine language, and assembly language, input output programming. • Peripheral devices, I/O interface, Modes of data transfer, direct memory • access. |
| | Annual | 2nd Year | Computer System Architecture | (COMP201TH) | |

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| 16. | 2nd Year | Database Management System (COMP202TH) | <ul style="list-style-type: none"> • To study database management operations. • To study data security and its importance • To study client server architecture. • ER and EER to relational mapping functional dependencies, normal forms up to third normal form. |
| 17. | 2nd Year | PHP Programming (COMP203TH) | <ul style="list-style-type: none"> • PHP introduction, inventions and versions, important tools and software requirements, PHP with other technologies, scope of PHP, Basic Syntax, PHP variables and constants, Types of data in PHP, Expressions, scopes of a variable, PHP Operators • Capturing Form Data, GET and POST form methods, Dealing with multi value fields, Redirecting a form after submission • PHP IF Else conditional statements (Nested IF and Else), Switch case, while, For and Do While Loop, Goto, Break, Continue and exit Function, Need of Function, declaration and calling of a function, PHP Function with arguments, Default Arguments in Function, Function argument with call by value, call by reference, Scope of Function Global and Local • Creating and accessing String, Searching & Replacing String, Formatting, joining and splitting String, String Related Library functions, Use and advantage of regular expression over inbuilt function, Use of preg • _match(), preg_replace(), preg_split() functions in regular expression, Anatomy of an Array, Creating index based and Associative array. |

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| 18. | Annual | 2nd Year | Plant Anatomy and Embryology .I Plant Physiology and Metabolism ..II Biofertilizers ..III | BOTA 201 BOTA 202 BOTA 203 | After knowing these subjects students would know about the internal structure and metabolic behaviour of the plants. How we can enhance their growth with the application of Biofertilizers. |
| 19. | Annual | 2nd Year | Physiology and biochemistry | ZOOL201TH | Students will know the physiology of nerves, muscles, digestion, respiration, circulation excretion. They will also understand the basic fundamentals of biochemistry and metabolism of carbohydrates, lipids and proteins; the nature, mechanism and kinetics of enzyme action; oxidative phosphorylation and redox reactions. |
| 20. | Annual | 2nd Year | Genetics and Evolutionary Biology | ZOOL202TH | Students will learn the fundamental genetics like Mendelian and Non-Mendelian inheritances, linkages, mutations, sex determination of various animals, extrachromosomal inheritances, transposable genetic elements. Students will also know about population genetics, horse evolution, micro and macro evolution, various concepts about origin of species, extinctions, phylogenetic tree making. |
| 21. | Annual | 2nd Year | Apiculture | ZOOL204TH | Students will understand the basics about life cycle of honey bee & it's diseases, bee keeping tools, equipments, techniques and managing beehives for honey production, pollination and marketing of various bee products. The course is useful for providing self employment to learners. |
| 22. | Annual | 2nd Year | Medical diagnostics | ZOOL 203 TH | Students learn about various medical tests and techniques to identify a particular disease. They got to know about latest techniques and equipments used in diagnosis of various diseases. |
| 23. | Annual | B.sc 2 nd Year | Statistical and Thermal Physics | PHYS-201 TH | Statistical physics is the plot of physics and it has educated students with countless modules in the universe and will demonstrate us further . Statistical aims at learning the macroscopic factors of a system in equilibrium . |

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| | | | | | In statistical physics the practice the point that material contain at item |
| 24. | Annual kj | B.sc 2 nd Year | Waves & Optics | PHYS-202TH | The physics and mathematics of waves motion underlie many importance phenomenon the water wave on the sea and quantum mechanism associated with an electron can be describe in similar way. Light to often display proprieties that are wave light. After studying this subject students get the knowledge of behaviour of light as well as etc exchanges with matter and development of equipment that uses it also very useful in security system to CCTV System which has become the common man |
| 25. | Annual | B.sc 2 nd Year | Workshop Skill. | PHYS-203TH | This subject is of prime importance in practical applications . Students gets complete knowledge of manufacturing methods such as casting , Welding and concept of machines processing. Use of mustimeters, soldering of electric circuit , knowledge of IC's on PCB is also very well elaborated and explained. Students also get complete knowledge of use of voltmeter, ammeter multimeter , CRO which is very much practical orientated |
| 26. | | | | | |
| 27. | Annual | 2nd Year | Basic instrumentation skills | PHYS206TH | Learning Outcomes: Upon completion of this course, students will acquire knowledge about the functioning of electronic voltmeter, CRO (cathode ray oscilloscope), DSO (digital storage oscilloscope), signal generator, impedance bridges and other digital instruments which are required to measure current, voltage and resistances. |

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| 28. | Annual | 2nd Year | Solutions, Phase Equilibrium, Conductance, Electrochemistry & Organic Chemistry | CHEM 201 TH | After having completed the course, students will be able to understand the basic concepts of ideal and non-ideal solutions, Raoult's law, azeotropes, critical solution temperature and solvent extraction process. Further, student will also learn about phase rule and phase diagrams for one and two component systems. In the later part of the course students will be imparted the knowledge of basic electrochemistry, different types of cells, thermodynamics of cell reaction and determination of pH using some standard electrodes. In the end students will also have comprehensive view of functional group approach in organic chemistry with special reference to carboxylic acid, acid derivatives, amines and carbohydrates. |
| 29. | Annual | 2nd Year | Chemistry of Main Group Elements, Chemical Energetics and Equilibria | CHEM202 TH | In present course, at the end of course completion, student will acquire the knowledge of s and p block elements, periodic properties and their trend in periodic table. Study of Hydrogen and Noble gases will remain the essential element of learning in this course. Besides, students will also be able to gain knowledge of thermodynamics, its various laws and some interesting features of Chemical and Ionic equilibria. |
| 30. | Annual | 2nd Year | Basic Analytical Chemistry | SEC-CHEM 203 | In the present skill enhancement course, after accomplishment, students will be able to learn fundamentals of analytical chemistry and various analytical techniques. On the basis of techniques learned, students will be able to analyse soil, water and cosmetics etc. Chromatography has been discussed in detail in later part of the course that will benefit the students in greater way to develop analytical skills. |
| 31. | Annual | 2nd Year | Fuel Chemistry and Chemistry of Cosmetics & Perfumes | SEC-CHEM 204 | The present course enables the students to acquire substantial knowledge of energy resources and their categorization into renewable and non-renewable forms. Stake holders will be highly benefitted from the knowledge resource that they obtain from study of common energy sources like coal, petroleum, natural gas etc. The knowledge of separation and refining techniques like fractional distillation will greatly affect the practical skills of students. Cosmetics and perfumes discussed in the end of this course will impart knowledge to students that help them in everyday life. |

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| 32. | Annual | 2nd Year | Real Analysis | MATH201TH | After completion of this course the students will be able to define bounded sets, suprema and infima, Archimedian property of real numbers and Bolzano-Weierstrass theorem .They will learn about sequences and series of real numbers and functions.They will be able to apply different tests to solve sequences and series.They will develop critical thinking skills.By using logic and reasoning they will apply the right method or formula to identify the alternative solutions to problems. |
| 33. | Annual | 2nd Year | Algebra | MATH 202 TH | After completion of the course students will be familiar with groups, subgroups, normal subgroups, rings, homomorphism, integral domain, fields etc |
| 34. | Annual | 2nd Year | Integral calculus | MATH309TH | After completion of this topic students come to know about basics of integration. Reduction formulae,double and triple integration |
| 35. | Annual | 2nd Year | Vector calculus | MATH310TH | After the completion of this subject students will learn about scalar and vector product of three vectors , reciprocal vector, derivatives along a curve, gradient of scalar point function, gradient,laplacian operator, orthogonal curvilinear coordinates, condition for ortogonality,curl and laplacian operator in terms of orthogonal curvilinear coordinators, line integral,surface integral,theorems of gauss. |
| 36. | Annual | 3rd year | Operating System | (COMP301TH) | <ul style="list-style-type: none"> • To understand the objectives,structure and functions of operating system • To learn about concept of processes, threads and its scheduling algorithms • To understand design issues in process synchronization and deadlock management • To study various memory management schemes • To learn about concept file and I/O |

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| | | | | | management in detail |
| 37. | Annual | 3rd year | Data Structure and File Processing | (COMP302TH) | <ul style="list-style-type: none"> • Understand the abstract datatypes, stack, queue, dequeue and list • knowledge of Binary tree, B-tree, Grap • Writing programming on datastructure dealing with stack, Queue, List, Sreaching and Sorting algorithms etc. |
| 38. | Annual | 3rd year | Software Engineering | (COMP303TH) | <ul style="list-style-type: none"> • To understand system concepts • To know about software engineering and its application in Software development |
| 39. | Annual | 3 rd year | Medicinal Botany & Ethnobotany | BOTA306 | The course intends to teach students the various forms in which plants were used by the ancient people. The special emphasis will be on the plants used as medicine by the tribals and various categories of rare plants which should be preserved as soon as possible |
| 40. | Annual | 3 rd year | Mushroom Cultivation Technology | BOTA307 | Students will have a general knowledge about the different types of edible mushrooms and their nutritional and medicinal values, some basic concepts related to their cultivation technology, methods of mushroom storage, their food value & marketing avenues in India and Abroad |
| 41. | Annual | 3rd Year | Probability and Statistics | MATH313TH | After the completion of the course students will be familiar with probability density function, moment generating functions, binomial distribution, normal distribution, functions of two variables etc. |

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| 42. | Annual | 3rd Year | Linear Algebra | MATH303TH | After completion of this book students come to know about basic of linear algebra, vector spaces , vector subspaces, basis and dimensions,L.D,L.etc |
| 43. | Annual | 3rd Year | Numerical methods | MATH304TH | After the completion of topic students come to know about the basics of algorithm bisection,false position ,Newton's method,gauss Jacobi,SOR iterative method, interpolation,,farward difference and backward difference method, numerical differentiation, Trapezoidal rule , Simpson rule and Euler's method.After completing the course students will be able to define and solve the problem.The ability to apply the general rules to specific problems will be developed among students. |
| 44. | Annual | 3rd Year | Transportation and Game Theory | MATH317TH | The students will be able to define and solve transportation problem by using methods like NWCM, LCEM and VAM after completing this course.Further, they will be able to check the optimality of the initial feasible solution obtained using the above said methods.The students will be familiar with the assignment problems. They will learn about game theory and different methods to solve the related problems.The ability to apply general rules to specific problems will be developed among students. |
| 45. | Annual | 3rd year | Polymer Chemistry | CHEM 305TH | On completion of this course, the students will know about history, nomenclature, functionality and its importance, kinetics of different polymerizations, Polymerization techniques, Morphology of crystalline polymers, structure-property relationship of polymers, determination of molecular weight of polymers, WLF equation, Free volume theory, Polymer solutions, Flory Huggins Theory, Properties of Polymers (Physical, thermal, Flow & Mechanical Properties). Conducting polymers and brief introduction to some polymers. Practically students will know how to synthesize and characterize the polymers. |

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| 46. | Annual | 3rd year | POLYNUCLEAR HYDROCARBONS, DYES, HETEROCYCLIC COMPOUNDS AND SPECTROSCOPY (UV, IR, NMR) | CHEM 304TH | On completion of this course, the students will know about synthesis and reactions of some polynuclear hydrocarbons, Colour and constitution [electronic concept], classification of synthetic dyes. Chemistry of Heterocyclic compounds like pyrrole, furan, thiophene & pyridine, indole, quinoline & isoquinoline. They will also learn application of UV, NMR and IR Spectroscopy to Simple Organic Molecules. Practically they will know how to separate mixture by chromatography, How to prepare inorganic complexes and to measure their conductivity and how to apply colorimetry to determine concentration of coloured compounds in the solution. |
| 47. | Annual | 3rd year | CHEMICAL TECHNOLOGY & SOCIETY and BUSINESS SKILLS FOR CHEMISTRY | CHEM 307 | On completion of this course the students will know about chemical technology. They will know about basic principles of distillation, solvent extraction, solid-liquid leaching and liquid-liquid extraction, separation by absorption and adsorption. They will also know about reactors, distillation columns, extruders, pumps, mills, emulgators and scaling up operations in chemical industry. They will know about exploration of societal and technological issues from a chemical perspective. They will know what is the importance of Chemical and scientific literacy. They will know about Business Basics and importance of Chemistry in Industry, Current challenges and opportunities for the chemistry-using industries, role of chemistry in India and global economies. They will also know how to make money by studying financial aspects of business with case studies. They will also know Concept of intellectual property and patents. |
| 48. | Annual | 3rd year | PESTICIDE CHEMISTRY & PHARMACEUTICAL CHEMISTRY | CHEM 308 | On completion of this course the students will know about pesticides (natural and synthetic), their benefits and adverse effects, changing concepts of pesticides and structure activity relationship. They will know about synthesis and technical manufacture and uses of representative pesticides like DDT, Gammexene, Malathion, Parathion, Carbofuran and carbaryl, Chloranil), Alachlor and Butachlor. They will also know about Drugs & Pharmaceuticals, Drug discovery, design and development; Basic Retrosynthetic approach. Synthesis of the representative drugs of the following classes: analgesics agents, antipyretic agents, antiinflammatory agents (Aspirin, paracetamol, Ibuprofen); antibiotics (Chloramphenicol); antibacterial and antifungal agents (Sulphonamides; Sulphanethoxazol, Sulphacetamide, Trimethoprim); antiviral agents (Acyclovir), Central Nervous System agents (Phenobarbital, Diazepam), Cardiovascular |

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| | | | | (Glyceryl trinitrate), antileprosy (Dapsone), HIV-AIDS related drugs (AZT- Zidovudine). The students will learn about aerobic and anaerobic fermentation and Production of Ethyl alcohol and citric acid, Penicillin, Cephalosporin, Chloromycetin, Streptomycin, Lysine, Glutamic acid, Vitamin B2, Vitamin B12 and Vitamin C. | |
| 49. | Annual | 3rd Year | Inorganic Chemistry | CHEM 304 th | After studying this course students will be able to get the detailed knowledge about Transition & Inner Transition elements. A thorough explanation abouts coordination and organometallic compounds with special emphasis on Crystal Field splitting in these compounds will also be explained to them. |
| 50. | Annual | 3rd Year | Nuclear and particle Physics | PHYS304TH | Upon successful completion of this course, students will be able to: -Identify properties of the nucleus and other sub-atomic particles. - Understanding the structure of Atom and nucleus through Rutherford model and Bohr model of Atom. - Describe theories explaining the structure of atoms and the origin of the observed spectra. - Explain different Nuclear properties with the help of Quantum Mechanics. - Basic idea of Nuclear reactions, Detectors and Accelerators. - Basic idea and preview of Particle Physics. |
| 51. | Annual | 3rd Year | Elements of Modern Physics | PHYS301TH | Upon successful completion of this course, students will be able to -Understand and explain the differences between classical and quantum mechanics. - Understanding of origin of quantum mechanics through Photoelectric effect, Compton effect and road to Schrodinger equation with universal principles like matter waves and uncertainty principle. Solve Schrodinger equation for simple potentials in one dimensions. -Assess whether a solution to a given problem is physically reasonable. - Explanation of Nuclear properties with formalism of quantum mechanics |

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| 52. | Annual | B.sc 3 rd Year | Renewable sources of energy | PHYS310TH | By studying this branch of physics students get knowledge of solar energy, wind energy hydro energy which produces no greenhouse emissions. And reduces some types of air pollutions it also reduces the dependents on conventional fuel such as petrol diesel etc. |
| 53. | Annual | 3rd Year | Economic Botany and biotechnology | BOTA 301 | This course shall help students develop an understanding of the taxonomic diversity of useful plants and their products, different ways in which they are used and why they should be conserved. The biotechnology section gives a basic knowledge of techniques used as diagnostic tools at molecular level. |
| 54. | Annual | 3rd Year | Cell and molecular biology | BOTA303 | The students will study the structure and functions of various components of a cell, the basic unit of life. In addition, the study of DNA and how it regulates the cell at molecular level shall provide an insight into the working of this wonder molecule. This understanding is a prerequisite in the fields of genetics, biomedicine, cancer research etc. |
| 55. | Annual | 3rd Year | Applied zoology | ZOOL301(a) | Students will learn about different bacterial diseases, vector borne diseases and related life cycles, epidemiology, pathology, diagnosis, symptoms and treatments. They will also have the knowledge of parasitology such as origin & evolution of parasitism, role of vectors, parasitoids, host-parasite interactions; insects of economic and medical importance; animal husbandry, poultry farming and fish technology etc. |
| 56. | Annual | 3rd Year | Immunology | ZOOL302(b) | Students will develop knowledge about structures and function of immune cells, immunoglobulins, antigens and their interactions with antibodies. They will know about MHC molecules, cytokines, hypersensitivity reactions, cellular mode of immunity development, immune diffusion technique and ELISA. |
| 57. | Annual | 3rd Year | Sericulture | ZOOL303TH | This course gives scientific knowledge about mulberry cultivation, silkworm rearing techniques and production of all the five known commercial silks namely - Mulberry, Tropical tasar, Oak tasar, Eri & Munga. The main aim of this course is to create a skilled workforce in India, who can perform multiple roles in the field of sericulture and this course give employment & job opportunities in the public, private & government sector. |

58.

Annual

3rd Year

Aquarium
Keeping

Fish

ZOOL304(A)TH

This course inculcates importance of aquarium fish keeping in relation with entrepreneurship development. It gives knowledge about various techniques of fish breeding, rearing and its marketing to make them self-sustainable after graduation. Students learn techniques of construction of glass aquarium & its maintenance; fish food production and health related problems with ornamental fishes.

Bachelor of Commerce for 2021-22

| Sr. No. | System | Year/Semester | Subject | Subject Code | Course Outcomes |
|---------|--------|---------------|----------------------------------|-----------------|--|
| 1. | Annual | 1st Year | Paryojanmoolak hindi Core course | BA/BCom HIND101 | Students become capable to write letters and essays in hindi by using various grammatical tools they studied. Students will be well versed in Hindi grammar. Use of antonyms synonym, sentence, noun, pronoun. |
| 2. | Annual | 1st year | Compulsory English | ENGCE101 | To provide grammar and language skills through the given poems, stories and essays. |
| 3. | Annual | 1st year | Business Organization Management | BC 1.2 | This course will help students to understand the manufacturing and service sector, corporate social responsibility, forms of business organizations, Management and Organization, leadership, |

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| | | | | | motivation, control, marketing mgt., financial mgt and human resource management. |
| 4. | Annual | 1st year | BUSINESS LAW | BC 1.3 | The objective of the course is to introduce the students with basic law along with business legislation and case studies. The students will be aware about business dealings and their impact while doing any transaction. |
| 5. | Annual | 1st year | Financial Accounting | BC 1.1 | |
| 6. | Annual | 2nd Year | Income Tax Law and practice | BC 2.2 | This course enhanced the knowledge about income tax and also aware students regarding filling income tax return. |
| 7. | Annual | 2nd Year | COMPUTER APPLICATION | BC 2.3 (SEC-1) | It is basically a skill enhancement course for understanding usefulness of computer as well as how to use MS Word software .It enhances the skill of students for using information technology tool in daily life and business. |
| 8. | Annual | 2nd Year | Corporate accounting | BC 2.4 | The course will provide the information regarding issue and forfeiture of shares, issue and redemption of debentures, final accounts of companies, amalgamation of companies, holding company, accounting of banking companies and cash flow statement. |
| 9. | Annual | 2nd Year | E-COMMERCE | BC 2.6 (SEC-II) | The objective of this course is to impart the knowledge to the students how online business works in front end and back end. To familiarize the students regarding e-payment system and back-end protocols and programming related to this. In addition to it, for skill enhancement it helps the students to create their own website by using HTML. |
| 10. | Annual | 2nd Year | Cost accounting | BC 2.5 | Cost accounting is very essential subject from which students can learn about per unit cost, what are the element of cost and various method of costing such as contract costing, process costing etc. |

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| 11. | Annual | 2nd Year | Corporate accounting | BC 2.4 | The course will provide the information regarding issue and forfeiture of shares, issue and redemption of debentures, final accounts of companies, amalgamation of companies, holding company, accounting of banking companies and cash flow statement. |
| 12. | Annual | 3rd Year | Corporate Governance and Auditing | BC 3.1(c) | The course will provide the knowledge regarding concept of corporate governance, business ethics, concept of CSR, Auditing and company auditor and special areas of audit. |
| 13. | Annual | 3rd Year | Fundamental of Financial Management | BC 3.2a | Students learn by this subject for taking financial decision such as how to achieve wealth maximization objective of business by studying NPV, IRR and Budgeting etc. |
| 14. | Annual | 3rd Year | Entrepreneurship | BC 3.3 | This course will help the students to understand the concept of entrepreneurship, creativity, innovation, stimulations, self-help groups, business incubator, project report and contract management for start-up. |
| 15. | Annual | 3rd Year | Management accounting | 3.5c | Students learn from this subject how to take managerial decision by analysis of financial statement and ratio analysis, and marginal costing and standard costing |
| 16. | Annual | 3rd Year | Fundamental of investment | BC 3.6c | Students learnt from this subject how to take investment decision with the help of fundamental and technical analysis. |
| 17. | Annual | 3rd Year | PERSONAL SELLING AND SALESMANSHIP | BC 3.7 | This course makes the students understand about the fundamentals of personal selling. They study different avenues as salesperson as career opportunity and basic understandings about customer dealing. |

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| 18. | Annual | 3rd Year | Principles of micro economics | BC3.4 | After completion of this course students will be familiar with demand and supply, theories of ordinal utility analysis, theories of production and cost, different markets and factor pricing. |
| 19. | Annual | 3rd Year | Indian Economy | BC3.8 | This course seeks to enable the students to grasp the major economic problems in India and their solutions. It also seeks to provide an understanding of modern tools of macro-economic analysis and policy framework. |

Master of Arts (English)

| Sr. No. | System | Year/Semester | Subject | Subject Code | Course Outcomes |
|---------|----------|---------------|--|--------------|---|
| 1. | Semester | I st Semester | History of English literature from Chaucer to 1800 | Paper 1 | Students will come to know about the origin of English as a language its history and changes that occurred. Origin of various genres of literature like drama, novel, essays students would also come to know about the evolution of poetry, drama and essay under various ages |
| 2. | Semester | I st Semester | Poetry from Chaucer to Pope | Course-2 | Students are taught Chaucer's Prologue to the Canterbury Tales, John Donne, Milton's Paradise Lost, Alexander Pope's Rape of the Lock. |
| 3. | Semester | I st Semester | Shakespeare and his Contemporaries | Course - 3 | Drama is mode of fictional representation through dialogues and performance. It is a literary genre, form designed for theatre. In the concern course student will learn about history of English drama from 11th century onwards. |
| 4. | Semester | I st Semester | Nineteenth Century Fiction | Course-4 | In this course the students tend to learn about Fiction as a genre and its related/ various characteristics. The works introduced to the students are from 19 th century England. |

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| 5. | Semester | II nd Semester | History of English Literature: Ninteenth to Twentieth Century | Course -5 | Students will come to know about the various movements and trends which came in English literature in various ages and times from 100 century to the modern times. The course also tends to cover not only the literature produced in England but in other countries as well. |
| 6. | Semester | II nd Semester | Romantic and Victorian Poetry | Course-6 | In this course student will be able to experience William Blake's mystical world and romanticism of Wordsworth, Coleridge and Keats. |
| 7. | Semester | II nd Semester | Modern Fiction | Course-7 | Students understand the relevance of modern novel and they also come to know that as novel meets the needs of modern day, it has taken the place of poetry, which reigned supreme in earlier ages. They also come to know the characteristics of modern novel. |
| 8. | Semester | II nd Semester | Growth and Structure of English language | Course-8 | Students come to know about the growth of English Language. They also understand how speech sounds are used to create meaning and how the words are formed. |
| 9. | Semester | III rd Semester | Literary Criticism from Aristotle to T.S.Eliot | Course-9 | Criticism is an important part of a literary activity or course. Keeping this in mind the present course tries to inculcate critical insight in the students. The texts from various classical times to modern age makes the students understand various nuances of literary criticism. |
| 10. | Semester | III rd Semester | Modern British and American Poetry | Course-10 | Poetry is a type of literature based upon the interplay of words and rhythm. Students are taught rhyme and metre and how words are strung together to form sounds, images and ideas that might be too complex to described directly. |
| 11. | Semester | III rd Semester | Modern British Drama | Course-11 | Drama is mode of fictional representation through dialogues and performance. It is a literary genre, form designed for theatre. In the concerned course students will learn about history and some prominent plays of English dramatists during the modern age. |

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| 12. | Semester | III rd Semester | World Fiction | Course-12 | The present course provides the students with an opportunity to make a detailed study of certain masterpieces in the area of world fiction. The students have the choice to study either African Literature or Australian Literature or Canadian Literature |
| 13. | Semester | IV th Semester | Contemporary Literary Theory | Course-13 | Students come to know about the various theoretical approaches in literature. They also come to know about the various methods and ideas which we use in practical reading of literature. They understand how texts can be studied from a new and different perspective. |
| 14. | Semester | IV th Semester | Modern European drama | Course-14 | This course provides the students with an opportunity to make a detailed study of certain masterpieces in the area of modern European plays. The students have the choice to study either Modern British Drama or Modern American Drama. |
| 15. | Semester | IV th Semester | Indian Writing in English | Course-15 | This course provides the students with an opportunity to study certain writers of prominence from India. The works they study in this course include 3 novels and 3 collections of poems by writers from India. |
| 16. | Semester | IV th Semester | Indian Writing in Translation | Course-16 | In this course students will come across with translated works of Kalidas' Abhijananshakuntalan, Bhasham Sahni's Tamas, U.R. Anthamurthy's Samskar, Mahashweya Devi's Rudali. |

Master of Commerce (M.Com.)

| Sr. No. | System | Year/Semester | Subject | Subject Code | Course Outcomes |
|---------|----------|---------------|---------------------------------------|--------------|--|
| 1. | Semester | I st Semester | Management & Organisational Behaviour | MC 1.1 | The main object of this study is to know the students basic concept of management process, organizational behaviour and organizational change and development. |

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| 2. | Semester | 1st Year | Business environment | MC 1.2 | Students able to know about external internal factors which relate to business. Also help to Draw all influences over business. Study about all international organisation. |
| 3. | Semester | 1st Year | Managerial Economics | MC 1.3 | Students able to know about economical demand & Supply and various theory regarding micro economics. |
| 4. | Semester | 1st Year | Statistical Analysis for Decision Making | MC 1.4 | Students able to know about statistical tools which are very essential for social science research purpose such as regression analysis, F-test, Chi square test etc. |
| 5. | Semester | 1st Year | Taxation Practices and administration | MC 1.5 | This is very essential subject which students can learn about the direct taxation rules and regulation as well as how to file online ITR etc. |
| 6. | Semester | IIInd Semester | Corporate Financial Accounting | MC 2.1 | This subject concern with basic concept of companies accounting. |
| 7. | Semester | IIInd Semester | Financial Management | MC 2.2 | This subject concern with basic concept of finance, capital budgeting, capital structure and Dividend policy. |
| 8. | Semester | IIInd Semester | Human Resource Management | MC 2.3 | |
| 9. | Semester | IIInd Semester | Marketing Management | MC 2.4 | |
| 10. | Semester | IIInd Semester | Financial Institution and Market | MC 2.5 | |
| 11. | Semester | IIIrd Semester | Advance cost accounting | MC 3.2 | Help the student to fix the selling price of product. Inventory control techniques and overhead cost control to creat cost effectiveness into business to take competitive advantage |
| 12. | Semester | IIIrd Semester | Corporate legal Framework | MC 3.3 | This subject concern with basic concept of companies, types of companies, auditing concept, director appointments and winding of companies. |

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| 13. | Semester | IIIrd Semester | Strategic management | MC 3.4 | Help the student to know about strategic management for business units. Style to use business tactics to Get competitive advantage for business |
| 14. | Semester | IIIrd Semester | Computer Applications In Business | MC 3.1 | <p>After completion of this course, student will be familiar with the basic knowledge of Modern Information Technology. Student will able to understand Microsoft Windows environment.</p> <p>Student will able the use of various application software used under Windows environment. The student will also familiar with the introduction and working with various application software comes under MS-Office like MS-Word, EXCEL and PowerPoint. They also attain the basic knowledge of Tally ERP software and will competent in maintaining accounting book on Tally and analysis the financial statement and reports generated through Tally and various other Statistical Packages Useful in Business like SPSS.</p> |
| 15. | Semester | III rd Semester | Research Methodology | MC 3.5 | This subject concern with research problem, developing a research design and developing scales to measure response. Data processing and data analysis have been covered adequately. |
| 16. | Semester | IV th Semester | Advance Financial Management | MC 4.1 | Students can learn form this subject various financial decision with related to financial statement and ratios etc. |
| 17. | Semester | IV th Semester | Project Planning and Control | MC 4.3 | Students can learn the various variable internal and external associated with the project. |
| 18. | Semester | IV th Semester | Project Report and Viva-Voce | MC 4.6 | This is correlated with research purpose which students prepared the project report and vivo was conducted by professor form HP university |
| 19. | Semester | IV th Semester | Security analysis and Portfolio Management | MC 4.2 | This subject concern different aspects of introduction to security analysis and Portfolio management, Risk and return, portfolio management, technical analysis and Tax planning. |

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| 20. | Semester | IV th Semester | Accounting for managerial decision | MC 4.4 | This subject concern different aspects of the subject such as risk and types of risk, risk management risk management in banks, credit management, option, swaps and value at risk. |
| 21. | Semester | IV th Semester | E-Commerce | MC 4.5 | After completion of this course, student will be acquainted with the basics of E-commerce, various computerized tools and their applications in E-commerce. Student will also familiar with E-Banking concepts and various modes of fund transfer and e-payment used in E-Commerce. Student will able to understand the working of Search Engine and the significance of Search Engine optimization in e-commerce. Student will also be able to understand the role and importance of IT Act in E-commerce, various Penalties and adjudication for cybercrimes. Student will competent in Enterprise Resource Planning, and able to conduct the online research. |

Bachelor of Business Administration (BBA)

| S.No. | System | Year/Semester | Course/Subject Name | Course/Subject Code | Course Outcomes |
|-------|----------|---------------|----------------------------------|---------------------|--|
| 1 | Semester | I st Semester | Statistics for business decision | BBA103 | After completion of this course students will be familiar with statistical tools of arranging data. For this they will study about measures of central tendency, positional data in which they will know about how to calculate median and mode, in addition to these they will know about the relationship between two or multiple variable for this they will study about correlation and regression.to know about the changes in prices of different commodities with relative to different years they will study index number, for research purposes they will study hypothesis. |

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| 2 | Semester | I st Semester | Entrepreneurship development | BBA 104 | After completion of this course, students will be familiar with the theoretical aspects of Entrepreneurship development, Entrepreneur and entrepreneurship, classification and functions of an entrepreneur, strategic planning for business, form of ownership, franchising, creativity innovation and entrepreneurship, innovation in business, social entrepreneurship, non-profit organizations, family business, family firm, women issue in family business, business plan, preparation of a project, project appraisal, project evaluation and project report Along with these concepts this course will also make the students competent in establishing their own enterprise. |
| 3 | Semester | I st Semester | Environment Science | BBA101 | After completion of this course, students will be familiar with the theoretical aspects of environmental studies, ecosystem (forest ecosystems, grassland ecosystem, desert ecosystem and aquatic ecosystem), biodiversity and its conservation, natural resources management and conservation, environmental pollution and its management, environment policies and practices, human population and environment and disaster management After studying this course, students will come to know that protection of environment is very important for us. |
| 4 | Semester | II nd Semester | Managerial Economics | BBA202 | After completion of this course students will will know very well about Economy, how primary sectors I.e agriculture and secondary sector I.e industries play an important role in indian economy, choice of the selection of the business, structure of market like knowledge about perfect competition, monopoly, monopolistic competition, oligopoly, scope of managerial economics, difference between economics and managerial economics. |
| 5 | Semester | II nd Semester | Business Ethics and CSR | BBA204 | After completion of this course, students will be familiar with the conceptual framework of business ethics, moral issues in business, profit maximisation Vs social responsibility, corporate governance, major corporate governance failures, concept of CSR (corporate social responsibility), issues in corporate social responsibility, CSR models, regulatory framework of governance and role of auditing in corporate governance. |
| 6 | Semester | II nd Semester | Business Accounting | BBA203 | After completion of this course students will be able to know all the practical aspect of accounting what is being prevailing in the industry and market they are able to analyse the companies final accounts their financial position and financial performance of business besides different accounts maintained by a firm. |

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| 7 | Semester | II nd Semester | Business Accounting | BBA203 | After completion of this course students will be able to know all the practical aspect of accounting what is being prevailing in the industry and market they are able to analyse the companies final accounts their financial position and financial performance of business besides different accounts maintained by a firm. |
| 8 | Semester | II nd Semester | Business communication | BCH 2.1 | After completion of this course, students Will be familiar with the theoretical aspects of business communication, nature of communication, process of communication, barriers of communication causes, business correspondence (letter writing, presentation, inviting quotation, sending quotation, placing order, inviting tenders, sale letters, notice, agenda, minutes, job application latter preparing the resume), business report writing, vocabulary ,oral presentation, presentation plan, power point presentation and visual aids. |
| 9 | Semester | III rd Semester | Macroeconomics | BBA 301 | After completion of this course students will get familiar with difference between macroeconomics and microeconomics, Keynes theory of employment ,quantity theory of money in which they will know how supply of money in the market creates inflation ,relation of the price with the value of Money and supply of money, balance of payment in which they will study about current account and component of capital account, ISLM curve in which they will study about how rate of interest affects to investment and savings, foreign exchange reserve, exchange rate, barter system, evolution of Money, kinds of money effects of inflation on debtors, creditors,business . |
| 10 | Semester | III rd Semester | Principles of Marketing | BBA 302 | After completion of this course students will know about the scope of marketing in Business. today in modern world the best way to survive the business in the society is to satisfy the customers. They will know about the pricing policies, product mix, marketing mix, advertising channel. Whenever a new product is launch in the market then they have the competency to give their suggestion which pricing strategies should be adopt at that time. |

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| 11 | Semester | III rd Semester | India's Diversity and Business | BBA304 | <p>After completion of this course, students will be familiar with the theoretical aspects of India's diversity, regional bases of India's diversity, social diversity in India, socio- culture region, people livelihood and occupational Diversity, traditional livelihoods and their nature, region, occupation and employment, socio-economic challenges, diversity and business, Indian consumers and marketing, diversity and Innovation and workforce diversity and management.</p> <p>By studying this course, students will know how to manage the diverse workforce in business.</p> |
| 12 | Semester | IV th Semester | Business Research | BBA401 | <p>After the completion of this subject, the students received detailed information about the business / marketing research, types of research and research process, primary and secondary data research, processing of data, presentation of data, attitudes and measurement, sampling plan, measure of average, dispersion and measure of skewness. Along with this, students also came to know how to do research. What are to the ways of doing research.</p> |
| 13 | Semester | IV th Semester | Financial Management | BBA403 | <p>After completion of this course students will get familiar with the various source of finance, short term, medium term and long term source of finance ,time value of money, capital Budgeting ,capital structure, cost of capital, cash management ,Receivable Management, Re- ordering level, maximum stock level, minimum stock level, cash management, net income approach of capital structure.</p> |
| 14 | Semester | IV th Semester | Human Resource Management | BBA402 | <p>In this course students will be able to learn about the Human resource which is managed in an organisation. this course will further Be helpful for them in jobs when they join HR Dept. In the organisation where they have to deal with recruitment, selection, training, development, performance appraisal, and all the aspect which are currently deals with every organisation.</p> |

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| 15 | Semester | IV th Semester | Business Research | BBA401 | After the completion of this course students will be familiar with the theoretical aspects of business research, introduction of marketing research, types of research and research process, defining marketing problem and research design, primary data research, secondary data research, processing of data, presentation of data, attitudes and measurement, sampling plan , measures of average, dispersion and measures of skewness, data analysis (Z-test, T- test and F-test), chi-square test and Factor analysis and interpretation and Report writing. |
| 16 | Semester | IV th Semester | Tax Planning | BBA404 | After completion of this course students will learn that how Tax Planning is an activity conducted by the tax payer to reduce the tax liable upon him/her by making maximum use of all available deductions, allowances, exclusions, etc. feasible under law. it is the analysis of a financial situation from the taxation point of view. The objective behind tax planning is insurance of tax efficiency. Tax planning allows all elements of the financial plan to function in sync to deliver maximum tax efficiency further help them in the jobs of taxation nature |
| 17 | Semester | V th Semester | Quantitative techniques for management | BBA501 | After completion of this course students will familiar with aspects of formulation of L. P. Problems, graphical solution, simplex method, Big-M method and two-phase method, concept of duality, formulation of transportation problem, solution by north west corner rule, least cost method, Vogles approximation method, Hungarian method, Network analysis problem and game theory using saddle point, dominance rule etc. |
| 18 | Semester | V th Semester | H.R.D system and strategy | BBA 503 | After completion of this course students will know about the role of Human resources in an organisation, methods and techniques of Training giving to human resources, steps to recruit to H.R ,method of selecting the competent H.R steps to conducting their interview, different parameters of H.R |

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| 19 | Semester | V th Semester | Training and mgt development | BBA504 | <p>After completion of this course students will be familiar with the concepts and practice of training and Development in the modern organizational setting, organization vision and plans, assessment of Training needs, training methods in which include on the job training, job instruction training, apprenticeship, coaching ,simulation methods, vestibule training, experiential methods.</p> <p>Post training in which include training evaluations ,training impact on individuals and organizations .</p> |
| 20 | Semester | VI th Semester | Financial institution and market | BBA 602 | <p>After completion of this course students will know about the role of financial institution in the field of Business. No business can survive without the support of financial institution. Students will know about the role of commercial Banks, private sector Banks, regional Rural Banks, role of central bank of India I.e. RBI. In addition to these roles of Money market and capital market. Role of Development banks I.e IDBI,SIDBI,IFCI.They can easily know that if anyone want to start its business then they can take loan from above mentioned financial institution. But one must to know that who r the financial institution who can provide loan to them for starting business.</p> |
| 21 | Semester | VI th Semester | Performance and compensation Mgt | BBAS 603 | <p>After completion of this course students will know about the performance of H.R in an organisation and how is the performance of all employees is rated with comparing to each other's. For this they will study about different methods of rating like 360drgree appraisal, MBO, grading method, pair comparison method, forced distribution methods, along with this information students will be able to understand various method of giving compensation after rating their performance.</p> |

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| 23 | Semester | VI th Semester | Business policy and strategy | BBA 601 | After completion of this course, students will be familiar with the theoretical aspects of business policy and strategy, strategic management process, strategic indent (mission, vision, goal, objective) External environment analysis, Internal analysis, strategic alternatives and strategic analysis and choice. This course will also make the students competent in developing strategies for the success of the business. |
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Bachelor of Computer Applications (BCA)

| S.No. | System | Year/Semester | Course/Subject Name | Course/Subject Code | Course Outcome |
|-------|----------|---------------|----------------------|---------------------|--|
| 1 | Semester | I st Semester | Mathematics-I | BCA0101 | After completion of this course students will familiar with aspects of set Theory, relation, quadratic equation it's types and nature of roots, arithmetic progression, geometric progression, binomial theorem, various trigonometric aspects, equation of circle, straight line, differentiation, integration, function, limit and continuity etc. |
| 2 | Semester | I st Semester | Applied English | BCA0102 | Applied English subject learn the skills, contexts, and ethics of interpreting texts, particularly of the English literary tradition, and of communicating their interpretations through written and oral mediums. Students can: 1. use and understand English structures and conventions 2. analyse language techniques, structures and conventions in order to apply language purposely and effectively. |
| 3 | Semester | I st Semester | COMPUTER FUNDAMENTAL | BCA0103 | After completion of this course students will know about different generation of the computer, basic anatomy of the computer as well as they are easily identify different input output devices and different memories of the computer |
| 4 | Semester | I st Semester | C Programming | BCA0104 | Create algorithms to solve simple programming problems. Describe and employ strategies that are useful in debugging. Design, implement, test and debug programs that use calculations and selections. Design, implement, test and debug programs that use loops and arrays. |

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| 5 | Semester | I st Semester | C Programming Lab-I | BCA0104(P) | Upon completion of this course, students will acquire knowledge about: Able to implement the algorithms and draw flowcharts for solving Mathematical and Engineering problems. Demonstrate an understanding of computer programming language concepts. To be able to develop C programs on linux platform. |
| 6 | Semester | I st Semester | Office Automation Tools | BCA0105 | After completion of this course students will know about MS office tools like Ms Word, Excel, PowerPoint and MS Dos. They will easily make excel sheets, PowerPoint presentations etc. which are helpful to enhance their skills |
| 7 | Semester | I st Semester | Office Automation Tools Lab-II | BCA0105(P) | By learning the course, the students will be able <ul style="list-style-type: none"> · to perform documentation · to perform accounting operations · to perform presentation skills |
| 8 | Semester | II nd Semester | Mathematics -II | BCA0201 | After completion of this course students will familiar with aspects of general theorems named Rolle's theorem, legranges theorem, Cauchy's mean value theorem, successive differentiation and application, greatest common divisor, least common multiple, prime factorization, fermat theorem, group and various aspects of ring. |
| 9 | Semester | II nd Semester | Communicative English | BCA0202 | At the completion of the course the learner will be able to: develop vocabulary and improve the accuracy in grammar. produce words with right pronunciation. Improve LSRW- listening, speaking, reading and writing skills and the related sub-skills. |
| 10 | Semester | II nd Semester | Data Structures | BCA0204 | Understanding of fundamental abstract data types which can include: Maps, Sets and Vectors. Ability to program data structures and use them in implementations of abstract data types. ... Ability to sensibly select appropriate data structures and algorithms for problems and to justify that choice. |
| 11 | Semester | I st Semester | Data Structures | BCA0204 | After completion of this course students will be familiar to understand what is a DBMS and what it provides and know when to use files and when to use a DBMS , how data can be encoded and stored in files. Also students will know about MDS access |
| 12 | Semester | II nd Semester | Data Structures Lab-III | BCA0204(P) | The course is designed to develop skills to design and analyse simple linear and nonlinear data structures. It strengthens the ability to the students to identify and apply the suitable data structure for the given real-world problem. |

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| 13 | Semester | II nd Semester | Data Base Management System Lab-IV | BCA0205(P) | Upon completing this course, attendees will be able to: <ul style="list-style-type: none"> · understand how Access is used and how to navigate around it · design a database with lookup tables · create a database structure using Access · modify the structure of an existing table · add records to a new table · add transactional records to a lookup database · work with the records in a database table · sort and filter records in a table · create simple and effective queries · create meaningful reports from tables · create and use forms |
| 14 | Semester | III rd Semester | Mathematics -III | BCA0301 | After completion of this course students will be familiar to solve and understand ordinary differential equations their order and degree, various methods to solve equations, aspects of complex numbers, algebra of complex numbers and roots of complex numbers, de-moiré's theorem, division algorithms, linear congruence, GCD, LCM, prime factorization, Galois field and application etc. |
| 15 | Semester | III rd Semester | Computer Organization | BCA0303 | Relate to arithmetic for ALU implementation. Understand the basics of hardware and micro-programmed control of the CPU. Learn about various I/O devices and the I/O interface. Appreciate advancements to architecture like pipelining and superscalar operation. |
| 16 | Semester | III rd Semester | Object Oriented Programming with C++ | BCA0304 | After completion of this course, the students will be able to: <ol style="list-style-type: none"> 1 Understand the difference between the top-down and bottom-up approach 2 Describe the object-oriented programming approach in connection with C++ 3 Apply the concepts of object-oriented programming 4 Illustrate the process of data file manipulations using C++ 5 Apply virtual and pure virtual function & complex programming situations |

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| 17 | Semester | III rd Semester | Object Oriented Programming with C++ Lab-V | BCA0304(P) | This lab course provides in-depth coverage of object-oriented programming principles and techniques using C++. Topics include classes, overloading, data abstraction, information hiding, encapsulation, inheritance, polymorphism, file processing, templates, exceptions, container classes, and low-level language features by using his or her skills students will easily create little application which are beneficial for their future |
| 18 | Semester | III rd Semester | Desktop Publishing and Designing | BCA0305 | This is an introductory course that provides students with a basic understanding of the field of desktop publishing. Additional topics may include design, word processing and the use of extra equipment. 1. Graphic Communications 2.Layout and Design: This course provides an overview of page layout and design while incorporating other facets, such as typography, colour and the use and placement of images. 3. Printing Technology: Printing processes are an important part of desktop publishing. . |
| 19 | Semester | IV th Semester | System Analysis and Design | BCA0403 | The student will be able to analyse business problems and develop a requirement° document, written in clear and concise business language. The student will be able to present this document to a business audience. Students will be required to develop and present a Requirements Definition Proposal for a new system in a well-structured business proposal. |
| 20 | Semester | IV th Semester | Internet Technology & Web Page Design | BCA0404 | After completion of this course students will know about Internet, Growth of Internet, Owners of the Internet, Anatomy of Internet, ARPANET and Internet history of the World Wide Web, basic Internet Terminology, Net etiquette. Clients Server, Addressing in Internet: DNS, Domain Name and their organization, understanding the Internet Protocol Address. E-mail, WWW, Telnet, FTP, IRC and Search Engine Search Engines, WWW, Browser, HTTP, Publishing Tools, HTML Programming Basics HTML page structure, HTML Text, HTML links, HTML document tables, HTML Frames VB Script, JAVA Script |

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| 21 | Semester | IV th Semester | Internet Technology & Web Page Design Lab-VII | BCA0404(P) | students should be able to: Insert a graphic within a web page. Create a link within a web page. Create a table within a web page. Insert heading levels within a web page. Insert ordered and unordered lists within a web page. Use cascading style sheets. Create a web page. Validate a web page. Publish a web page. |
| 22 | Semester | IV th Semester | Programming in Visual Basic | BCA0405 | Students list the visual programming concepts. Explain basic concepts and definitions. Express constants and arithmetic operations. Distinguish variable and data types. Students code visual programs by using Visual Basic work environment. Distinguish and compose events and methods. Recognize and arrange control structures. Design a complete program using visual programming concepts. Students |
| 23 | Semester | IV th Semester | Programming in Visual Basic | BCA0405 LAB | prepare various projects by helping visual programming. Prepare project in visual programming. Manage and analyse prepared project with programs. Interpret and report obtaining results. |
| 24 | Semester | V th Semester | Operating System | BCA0501 | A successful student will be able to understand the basic components of a computer operating system, and the interactions among the various components. the policies for scheduling, deadlocks, memory management, synchronization, system calls, and file systems and after knowing that student will easily understand and work on any operating system |
| 25 | Semester | V th Semester | eCommerce | BCA0502 | After completion of this course students will be familiar about Electronic Commerce Environment and Opportunities, Approaches to Safe Electronic Commerce, Approaches to Safe Electronic Commerce |
| 26 | Semester | V th Semester | Management Information System | BCA0503 | In MIS, students will understand the leadership role of Management Information Systems in achieving business competitive advantage through informed decision making. ... Effectively communicate strategic alternatives to facilitate decision making. |

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| 27 | Semester | V th Semester | ASP.net Technologies | BCA0504 | This course will cover the practical aspects of multi-tier application development using the .NET framework. The goal of this course is to introduce the students to the basics of distributed application development. We will introduce the students to Web Service development and .NET remoting. Technologies covered include the Common Language Runtime (CLR), .NET framework classes, C#, ASP.NET, and ADO.NET. We will also cover service oriented architecture, design, performance, security, content managements systems and deployment issues encountered in building multi-tier distributed applications. |
| 28 | Semester | V th Semester | ASP.net Technologies Lab-IX | BCA0504(P) | At the end of this Lab course students will be able to: 1.Create user interactive web pages using ASP.Net. 2.Create simple data binding applications using ADO.Net connectivity. 3. Performing Database operations for Windows Form and web applications. |
| 29 | Semester | V th Semester | Computer oriented statistical methods | BCA0505 | After completion of this course students will be familiar to understand frequency distribution, histogram, arithmetic mean, geometric mean,harmonic mean,measures of dispersion, coefficient of dispersion, probability, addition and multiplication theorem, conditional probability, independent event, mathematical exception, expected values of random variable, rank correlation, Karl Pearson 's coefficient of correlation and various application of above topics. |
| 30 | Semester | V th Semester | Computer Oriented Statistical Methods | BCA0505 | completion of the course students shall be able to:Recognize the error in the number generated by the solution.Compute solution of algebraic and transcendental equation by numerical methods like Bisection method and Newton Rapshon method Apply method of interpolation and extrapolation for prediction.Recognize elements and variable in statistics and summarize qualitative and quantitative data.Calculate mean, median and mode for individual series.Outline properties of correlation and compute Karl-Pearson's coefficient of correlation. |
| 31 | Semester | VI th Semester | Computer Network | BCA0601 | The course objectives include learning about computer network organization and implementation, obtaining a theoretical understanding of data communication and computer networks, and gaining practical experience in installation, monitoring, and troubleshooting of current LAN systems |

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| 32 | Semester | VI th Semester | Numerical methods | BCA0602 | After completion of this course students will be familiar to understand various numerical methods like bisection method, regula falsi method, newton's rephson 'method which are used to find roots of equations, besides it students will able to understand the concept of guass elimination methods, Jacobi method, interpolation, numerical differentiation, numerical integration their application and methods like trapezoidal rule, Simpson's 1/3 and Simpson's 3/8 rule etc. |
| 33 | Semester | VI th Semester | Multimedia Technology | BCA0603 | After completion of this course students will be familiar with the theoretical aspect of Multimedia Technologies, and they easily find out different tools available for different purposes and how they will use in different situations like different input and output devices and their working in detail |
| 34 | Semester | VI th Semester | Computer Graphics | BCA0604 | Upon successful completion of this course, student will be able to explain the core concepts of computer graphics, including viewing, projection, perspective, modelling and transformation in two and three dimensions. apply the concepts of colour models, lighting and shading models, textures, ray tracing, hidden surface elimination, anti-aliasing, and rendering. interpret the mathematical foundation of the concepts of computer graphics. describe the fundamentals of animation, parametric curves and surfaces, and spotlighting. identify a typical graphics pipeline and apply graphics programming techniques to design and create computer graphics. create effective OpenGL programs to solve graphics programming issues, including 3D transformation, objects modelling, colour modelling, lighting, textures, |

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| 35 | Semester | VI th Semester | Software Engineering | BCA0605 | After completion of this course students will be familiar about software and how the software moves between different stages before completion, how a software engineer calculate the cost and do the work in time |
| 36 | Semester | VI th Semester | Major Project | BCA0606 | On successful completion of the course students will be able to: <ol style="list-style-type: none"> 1. Demonstrate a sound technical knowledge of their selected project topic. 2. Undertake problem identification, formulation and solution. 3. Design engineering solutions to complex problems utilising a systems approach. 4. Conduct an engineering project 5. Communicate with engineers and the community at large in written an oral forms. 6. Demonstrate the knowledge, skills and attitudes of a professional engineer. |

Master of Arts (Pol. Science)

| S.No. | System | Year/Semester | Course/Subject Name | Course/Subject Code | Course Outcome |
|-------|----------|---------------|----------------------------|---------------------|---|
| 1 | Semester | 1st Semester | western Political Thought | Paper-1 | After completing this course, the students will be able to know about Plato's view on state , justice, communism, education and Philosopher king. |
| 2 | Semester | 1st Semester | Govt and Politics In India | Paper-ii | After completing this course, the students will be able to learn about the working of Democracy in India. |

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| 3 | Semester | 1st Semester | Comparative Politics | Paper-iii | After the completion of this course, students will be able to learn about comparative method in comparative politics. |
| 4 | Semester | 1st Semester | International Politics | Paper-iv | After completion of this course, the students will be able to learn about various theories and approaches to the study of International Politics. |
| 5 | Semester | 2nd Year | Western Political Thought | Paper-v | After having completed this course, the students will know about Socialism and communism. |
| 6 | Semester | 2nd Semester | Recent Trends in Indian Politics | Paper-vi | After completion of this course, the students will be able to learn about Liberalization, Globalization and Privatization in Indian Politics |
| 7 | Semester | 2nd Semester | Comparative Politics and Political Analysis | Paper-vii | This course will enable the students to learn about types of Political executives, legislature and judiciary. |
| 8 | Semester | 2nd Semester | Emerging World Order | Paper-viii | After completion of this course, students will be able to learn about end of cold war, new World order or disorder in International Politics. |
| 9 | Semester | 3rd Semester | Indian Political Thought | Paper-ix | After completion of the present course, student will learn about various Political ideologies of Indian Political Thinkers like Mannu, Kautilya, Vivekananda and Gandhi. |
| 10 | Semester | 3rd Semester | Regional Politics in India | Paper-x | After studying this course, the students will be able to know the role of caste, regionalism and regional movements in different states of India. |

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| 11 | Semester | 3rd Semester | Theories of Nationalism and Processes of National Building | Paper-xi | In this course, after course completion, students will be imparted the knowledge to understand Nation, Nationality and various agents of National building. |
| 12 | Semester | 3rd Semester | India's Foreign Policy and Relations | Paper-xii | In this course, after completion, students will be able to learn about communitarianism verses Individualism debate by Charles Taylor and Robert Nozick. |
| 13 | Semester | 3rd Semester | India" s Foreign Policy and Relations | Paper-xiii | After completing this course, student will be able to understand the India's relations with neighboring states Pakistan, Bangladesh, Nepal and Sri Lanka. |
| 14 | Semester | 4th Semester | Politics in South Asia | Paper-xiv | After completing this course, students will be able to understand about Political elites and pressure groups in South Asian states. |
| 15 | Semester | 4th Semester | Society, Economy and Politics | Paper-xv | After studying this course, students will be able to understand about Polics of pressure groups in HP with reference to fruit, vegetable and apple growers" associations of HP. |

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| 16 | Semester | 4th Semester | Public International Law | Paper-xvi | After completing this course, stakeholders will be able to understand about law of peace, war and neutrality in international politics |
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Bachelor of Vocational Education(B.Voc.)

| S.No. | System | Year/Semester | Course/Subject Name | Course/Subject Code | Course Outcome |
|-------|----------|---------------|--|-------------------------|---|
| 1 | Semester | 1st Semester | Introduction to tourism, aviation and hospitality industry | TH111 | At the end of this course students will be able to understand the meaning, types, components of tourism, meaning, types, function of travel agency, meaning of aviation, airlines codes, airport check in procedure, services and introduction, meaning of hospitality, types of hotels, recent trends of hospitality industry. |
| 2 | Semester | 1st Semester | Business communication and personality development-1 | RA111 /RA114 | After completion of this course students will be able to know about communication , nature and scope of communication, role of communication in business, barriers of communication, ways to remove barriers of communication. Verbal, non verbal communication, qualities of effective communicator. Business reports , purpose, types, components and presentation of business report, meeting. Along with this student will learn about various stages of personality development, personality pattern. Grooming, interview skills, leadership styles, management of conflicts and role of career planning in personality development. |
| 3 | Semester | 1st year | Retail Sales Associate (Skill) | RA121/RA125/RA122/RA123 | After this course students will be familiar with retail industry, they will learn various skill which are required for industry like customer service and customer relationship management. Knowing consumer behaviour and providing services according to that. Handling customer's complaints, delivering reliable services to customers. |

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| 4 | Semester | 1st Semester | Front Office Associate | TH121/TH122/TH123 | At the end of this course students will be able to: understand Hospitality Industry, record guest details for registration and follow check in procedure and allot room, attend to guest queries, perform cashiering activities, communicate with customer and colleagues, maintain customer centric service orientation, maintain standard of etiquette and hospitable conduct, maintain health, hygiene and safety at work place. |
| 5 | Semester | 2nd Year | Travel Geography | TH511 | After this subject student would be able to know the geography of Indian top famous tourist destinations and gets the knowledge of different Himalayan ranges and coastal tourist destinations also the activities available there |
| 6 | Semester | 2nd Year | Travel agency management and operations | TH313 | After completion of this subject student gets the knowledge about the travel agency/agent/tour operator. Students can make the tour packages and can do the costing of the tour package. Students know the formalities to start a travel agency. |
| 7 | Semester | 3rd Semester | Basics of tourism management | TH312 | This course will help the students to learn the basics of tourism management in hospitality industry .by studying this course students will understand the concept of tourism, process of planning, forecasting and decision making in the management and also understand the the scope of staffing and concept of managerial control etc. |
| 8 | Semester | 3rd Semester | Stores operations and Supply chain management | RA312 | Students get knowledge about store operations, store security and supply chain, its advantages, recruitment and selection of store employees, inventory management etc. |
| 9 | Semester | 3rd Semester | Departmental manager | Skill | After this course students will be trained in Departmental manager qualification. It provides learners with necessary knowledge to carry out job role and functions of Retail Departmental Manager in retail industry. |

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| 10 | Semester | 3rd Semester | Store Manager | Skill | After completion of this subject students gets the knowledge about the various departments of the hotel and work culture of the front office |
| 11 | Semester | 4th Semester | Human resource management | RA 412 | After completion of this course students get knowledge about human resource importance and its management need, compensation tools, job analysis and industrial relations, industrial safety etc |
| 12 | Semester | 5th Semester | Entrepreneurship in Tourism and Hospitality industry | TH513 | This course will help students to learn skills about hospitality industry and to know about that how they can become a good entrepreneur by setting up any tourism enterprise (hotel, resort, restaurants and home stay etc. By using good business strategies and analysis of competition. |
| 13 | Semester | 5th Semester | Introduction to Tourism Marketing | TH514 | At the end of this course students will be able to understand meaning, types, marketing approaches, meaning, features, comments of tourism products' in tourism marketing, MIS, Product Mix, importance of marketing in tourism and it's implications. |

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| 14 | Semester | 5th Semester | RETAIL MANAGEMENT/ RETAIL STORE MANAGER | Skill | BVoc course is of three years duration, further divided into six semesters. The course curriculum of BVoc is industry-based which contains about 40% general education (theory) and 60% vocational training (practical) components. This means that apart from studying the regular curriculum, all students need to undergo industrial training or project work for at least four to eight weeks in every semester. courses deals more with skill abilities based study rather than focusing only on theoretical knowledge. After completing the course students already well aware about retail industries. |
| 15 | Semester | 5th Semester | Duty Manager (Skill) | HT521/HT522/HT523/HT621 | This course will help students to learn skills about hospitality industry. like daily Front office activities, planning and scheduling work requirement, management of front office operations. Effective communication with colleagues and guests and managing human resource employed in front office operations, age sensitive behaviour and gender related services. Health and hygiene and the important is safety and security at workplace. |

Master of Arts (Economics)

| S.No. | System | Year/Semester | Course/Subject Name | Course/Subject Code | Course Outcome |
|-------|----------|---------------|---------------------|---------------------|--|
| 1 | Semester | 1st Semester | Labour Economics | MEC-14 | By the end of the course students will be able to:- 1. examine various factors affecting demand and supply of labour 2. explain unemployment as a source of human capital 3. illustrate wage rate determination in different sectors of the economy 4. classify various methods of the settlement of industrial disputes 5. evaluate the government labour policies for the socio-economic upliftment of the labour |

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| 2 | Semester | 1st Semester | Data Management and Presentation Using Microsoft Excel | MEA-15 | By the end of this laboratory based hands-on practical training course students will be able to:- 1.handle data and solve basic algebraic problems using excel 2. use different logical and statistical functions in excel to compute descriptive statistics of a univariate and multivariate data set 3. present data using different types of graph using solver in excel students will be able to solve linear equation system and LPP and NLPP. |
| 3 | Semester | 1st Semester | Microeconomics | MEC-11(Course-I) | This course introduces the students to collection and presentation of data. It also discusses how data can be summarized and analysed for drawing statistical inferences. The students will be introduced to important data sources that are available and will also be trained in the use of free statistical software to analyze data. Students will be able to understand the concept of correlation and regression, construct and interpret index numbers for economic variables. Measure and evaluate components of time series. |
| 4 | Semester | 1st Semester | Elementary Mathematics for Economics | MEC-12(Course-III) | The end of the course, students will be able to: Understand the basis rules of matrix algebra and apply the same to solve Mathematical model constraining systems of simultaneous equation Understand and extent the technique of differential calculus to compute value of variables etc Solve the differential and difference equation Along with their economic application, Compute the consumer surplus and producer surplus by utilising the tools of Integral calculus |
| 5 | Semester | 1st Semester | International Economics | MEC-13(Course-II) | by the end of the course student will be able to 1. explain theories of international trade and their applications 2. outline the impact of dynamic factors on international trade and analyse various policies and role of international organisations in international trade 3. illustrate Balance of Payments and explain determination of exchange rate 4. identify long and short run capital requirement in developing countries 5. discuss the role of Financial Institutions like IMF ADB IFC and IBRD |

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| 6 | Semester | 2nd Semester | Money and Banking | Course-V | By the end of the course, students will be able to understand the concept of money and various approaches related to money, explain the functioning of money and capital markets, process of credit creation, interpret demand and supply of money, Money multiplier and its determinants and roll of RBI, analyse the working of monetary policy, summarize the role of national and international financial institutions. |
| 7 | Semester | 2nd Semester | Macro Economics | Course -IV | By the end of the course students will be able to 1. discuss the classical viewpoint about Income output and Employment determination and explain various macroeconomic theory of consumer behaviour 2. distinguish between Keynesian and Post Keynesian views regarding the income, output and employment 3. understand money market and related concepts 4. explain various Macro Economic growth models and elaborate stabilization policies |
| 8 | Semester | 2nd Semester | Evaluating Contemporary Economic Issues | MEA-25 | The objective of the course is 1. to develop the capacity of students to analyse and appreciate contemporary economic issues and policy pronouncements. 2. to make the students able to write a report and subsequent modules on the basis of interactive lectures, group discussions and group presentation 3. to present their analysis in the form of a written report |
| 9 | Semester | 2nd Semester | Basic Statistics | Course-VI | The students will be familiar with sampling technique collection of data like that primary data classification of data analysis of data features of a good questionnaire Use of statistical tools t test F test regression and correlation Coefficient Along with the students will be able to find out what is significance of different test, The outcome of the students' progress on the basis of sampling method and class test |
| 10 | Semester | 3rd Semester | Agricultural Economics | Course-IX(1) | By the end of the course, students will be able to Develop the Understanding of the interdependence between agriculture and industrial Development, Make use of agriculture production Functions, identity and also risk and uncertainty in agriculture, Understand and build models for India's Agricultural Development, Compare and contrast the traditional and modern source of Agricultural finance |
| 11 | Semester | 3rd Semester | History of Economic Thought | Course-VIII | By the end of the course students will be able to trace the evolution of the subject matter of economics starting with mercantilists, draw inferences about the relevance of classical economics, socialist economic thought, historical critiques of and Marx in the present |

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| | | | | | context, demonstrate the relevance of neo classical economics and identify contribution of Austrian school, explain and interpret Keynesian and post Keynesian economics and understand basic Indian economic thought. |
| 12 | Semester | 3rd Semester | Economics of Development and planning | Course -VII | After the completion of the course students will be able to 1. explain the concepts of economic growth structural changes and economic development 2. compare and contrast classical Marxian and other theories of economic development 3. analyse state intervention under LPG and evaluate and construct development plans using appropriate techniques 4. understand and evaluate development models 5. critically examine the policy debate around India's development trajectory |
| 13 | Semester | 4th Semester | Public Finance | Course - XI | By the end of the course students will be able to 1. examine the concepts of maximum social advantage keeping in view market failure and free Riders problem 2. understand and make use of taxation system of India 3. outline the theories, concepts and meaning of public debt and public expenditure in India 4. interpret and elaborate classification of budget and fiscal policy for stability growth and economic development 5. evaluate the growth and composition of statutory and non-statutory financial resources in India |
| 14 | Semester | 4th Semester | Indian Economy | Course-X | By the end of the course students will be able to evaluate the evolution of Indian Economy and identify key issues in development of Indian Economy, dissect and examine sectoral development specifically agricultural and industrial development, interpret and elaborate financial sector and related policies, inspect and explain Indian Economy in the context of India's foreign trade, evaluate the performance of Indian Economy's development trajectory. |
| 15 | Semester | 4th Semester | Industrial Economics | Course-XII (ii) | By the end of the course, students will be able to, Have the knowledge of the different theories of Industrial location Outline the Impact of Employment and industrialisation Market structure conduct and performance and their interrelation, Discuss the social cost and private, uncertainty Identify the valuation methodologies of invironmental damage |

PGDCA

| S.No. | System | Year/Semester | Course/Subject Name | Course/Subject Code | Course Outcome |
|-------|----------|---------------|---|---------------------|--|
| 1 | Semester | 1st Semester | Programming in c | DCS101 | provide knowledge of computer language |
| 2 | Semester | 1st Semester | pc software | DCS102 | Provides the instructions that tell the computer what to do |
| 3 | Semester | 1st Semester | operating System | DCS103 | provides the instructions that tell the computer what to do |
| 4 | Semester | 1st Semester | Ccomputer Organisation and architecture | DCS104 | To know the background of internal communication of computer |
| 5 | Semester | 1st semester | C Language lab | DCS105 | practical work |
| 6 | Semester | 1st semester | pc software Lab | DCS106 | practical work |
| 7 | Semester | 2nd semester | Data and file structure | DCS201 | To develop the ability to analyze the running time and prove the correctness of basic algorithms |

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| | Semester | 2nd semester | System analysis and design | DCS202 | To understand and analyze the systems development life cycle, system modeling, system implementation, and systems security. |
| 8 | Semester | 2 nd semester | Programming in c++ | DCS203 | Create and analyze algorithms for solving simple problemsm implementation, and systems security. |
| 9 | Semester | 2nd semester | Database management system | DCS204 | Students get practical knowledge on designing and creating relational database systems |
| 10 | Semester | 2nd semester | C ++ lab | DCS205 | Create and analyze algorithms for solving simple problems |
| 11 | Semester | 2nd semester | DBMS lab | DCS206 | Students get practical knowledge on designing and creating relational database systems |
| 12 | Semester | 2nd semester | project work | DCS207 | practical work |

Master of Business Administration(MBA)

| S.No. | System | Year/Semester | Course/Subject Name | Course/Subject Code | Course Outcome |
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| 1 | Semester | 1 st Semester | ACCOUNTING FOR MANAGERIAL DECISIONS | MBA-101 | Helps to develop acquaintance with basic techniques of accountancy. The course attempts to build potential to use appropriate accounting tools and techniques of financial accounting and management accounting for preparing and analyzing financial statements |
| 2 | Semester | 1 st Semester | MARKETING MANAGEMENT | MBA-102 | Helps to understand the nature, tasks and the environment under which marketing operates, to study the theory, principles and practical aspects of various marketing functions & to learn to take marketing decisions. |
| 3 | Semester | 1 st Semester | MANAGEMENT PRACTICES AND ORGANISATIONAL BEHAVIOUR | MBA-103 | Helps to make student aware with basic management concepts and behavioral process in the Organization. |
| 4 | Semester | 1 st Semester | BUSINESS ENVIRONMENT | MBA-104 | Helps to provide the insight to the students about the changes that are taking place in the Business Environment, the effect of these changes on business and the demand placed on managers regarding national and global business environment. |
| 5 | Semester | 1 st Semester | HUMAN RESOURCE MANAGEMENT | MBA-105 | Helps to make student aware of the various functions and importance of the HR department in any organization. It is basically concerned with managing the human resources, whereby the underlying objective is to attract retain and motivate the human resources in any organization. |
| 6 | Semester | 1 st Semester | COMPUTER APPLICATIONS IN BUSINESS | MBA-106 | This course offers a good understanding of basics of Information Technology. It is basically concerned with developing an appreciation of different software and hardware system available in the industry among the students. |
| 7 | Semester | 1 st Semester | HUMAN VALUES AND PROFESSIONAL & ETHICS | MBA-107 | Helps to make student understand the moral values that ought to guide them in the society and it is intended to develop a set of beliefs, attitudes ethics that students should display concerning morality. |
| 8 | Semester | 2 nd Semester | BUSINESS STATISTICS AND COMPUTING SKILLS | MBA-201 | Helps to train the students to use various statistical methods in order to understand, analyze and interpret various business, managerial and economic problems. |

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| 9 | Semester | 2 nd Semester | FINANCIAL MANAGEMENT | MBA-202 | Helps to develop understanding of different concepts and theories underlying financial management and implications of various financial techniques. |
| 10 | Semester | 2 nd Semester | BUSINESS RESEARCH METHODS | MBA-203 | Helps s to make the learner aware of the basic concepts of Research Methodology and prepare them for conducting research project. |
| 11 | Semester | 2 nd Semester | MANAGERIAL ECONOMICS | MBA-204 | Helps to provide students with an understanding of basic economic principles of production & exchange-essential tools in making business decisions in today's global economy. |
| 12 | Semester | 2 nd Semester | PRODUCTION AND OPERATIONS MANAGEMENT | MBA-205 | Helps to understand a systems view of operations, to understand the conversion of inputs into outputs with various technologies. |
| 13 | Semester | 2 nd Semester | FUNDAMENTAL OF ENTREPRENEURSHIP | MBA-206 | Helps to provide students with the knowledge, skills and motivation to encourage entrepreneurial success and oriented them towards different ways of realizing opportunities. |
| 14 | Semester | 2 nd Semester | COMMUNICATION AND MARKETING SKILLS | MBA-207 | Aimed at equipping the students with the necessary techniques and skills of Communication to inform others inspire them and enlist their activity in the performance of their jobs. |
| 15 | Semester | 3 rd Semester | STRATEGIC MANAGEMENT | MBA-301 | Aims at imparting knowledge of formulation, implementation and evaluation of Business Strategies. |
| 16 | Semester | 3 rd Semester | BUSINESS LAWS | MBA-302 | The purposes and functions of business law include maintaining order, protecting rights and liberties, establishing standards, and resolving disputes when it comes to businesses and their interactions with individuals, government agencies, and other businesses. |

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| 17 | Semester | 3 rd Semester | ON THE JOB TRAINING/ SUMMER TRAINING | MBA-303 | The student has to undergo On the Job Training after Second Semester in any industry/organization for the period of 4-6 weeks to get industrial/corporate exposure. |
| 18 | Semester | ELECTIVE | INDIAN FINANCIAL SYSTEM | MBA-311 | The objective of this course is to discuss the specific financial management problems of financial institutions including a detailed study of the working of the leading financial institutions in India. |
| 19 | Semester | ELECTIVE | SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT | MBA- 312 | The course has been designed to develop understanding of different concepts relating to analysis of investment and portfolio management. |
| 20 | Semester | ELECTIVE | MANAGEMENT OF BANKING OPERATIONS | MBA-313 | The objective of this course is to acquaint the students with the accounting needs of international financial Markets and to analysis the accounting measurement and reporting issues unique to multinational business transactions. |
| 21 | Semester | ELECTIVE | ADVERTISING AND SALES MANAGEMENT | MBA-321 | To make the students understand the basics of Advertising and Promotion required by them in their career. |
| 22 | Semester | ELECTIVE | Consumer Behaviour | MBA-322 | The basic objective of this course is to develop an understanding about the consumer decision – making process and its applications in marketing function of firms. |
| 23 | Semester | ELECTIVE | RURAL MARKETING | MBA-323 | The course aims at creating an understanding of the unique challenges of rural and marketing to enable students to apply the concepts and methods of marketing management to rural markets and cause related marketing |
| 24 | Semester | ELECTIVE | MANAGEMENT OF INDUSTRIAL RELATIONS | MBA -331 | To familiarize students in the major industrial relations systems operating in different economic, political and cultural contexts. |
| 25 | Semester | ELECTIVE | LABOUR LEGISLATIONS | MBA-332 | The central objective of labour laws is to safeguard workers' rights, promote trade union activities and make employment more secure . They aim at improving the status of working-class people. Furthermore, they ensure fair and reasonable conditions of work for all the employees. |

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| 26 | Semester | ELECTIVE | INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY | MBA-333 | The objective of the course is to acquaint the students about the Psychology of the executives in the organization and then to use it to enhance the productivity |
| 27 | Semester | ELECTIVE | MANAGEMENT INFORMATION SYSTEM (MIS) | MBA-304 | The objective of MIS is to provide information for decision making on planning, initiating, organizing, and controlling the operations of the subsystems of the firm and to provide a synergistic organization in the process. It facilitates the decisions-making process by furnishing information in the proper time frame. |
| 28 | Semester | 4 th Semester | OPERATIONS RESEARCH | MBA-401 | To equip the students with techniques of data analysis, to grasp the various optimization techniques. |
| 29 | Semester | 4 th Semester | Project Training | MBA-402 | The purpose of including project in MBA Programme is to provide students an opportunity to investigate a management problem in a scientific manner. Students should take this project work very seriously. |
| 30 | Semester | 4 th Semester | LOGISTIC & SUPPLY CHAIN MANAGEMENT | MBA-403 | The objective of the course is to provide a comprehensive analysis of the principles and practices of international Distribution and logistics. |
| 31 | Semester | ELECTIVE | STRATEGIC FINANCIAL MANAGEMENT | MBA-314 | Strategic Financial Management is an approach for managing the finances of a company. Its main objective is to design and execute strategies that create profit, ensure an acceptable ROI, and maximize shareholders' value. |
| 32 | Semester | ELECTIVE | INTERNATIONAL FINANCE& TAX PLANNING | MBA-315 | The basic objective of this course is to provide an insight into the concept of International Finance & corporate tax planning and to equip the students with a reasonable knowledge of tax planning devices. |
| 33 | Semester | ELECTIVE | MANAGEMENT OF FINANCIAL SERVICES | MBA-316 | The main objective of this course is to help students to learn the various financial services and their role in the overall financial system. |
| 34 | Semester | ELECTIVE | MARKETING OF SERVICES | MBA-324 | This course aims at enabling students to apply marketing concepts and principles to the unique challenges and opportunities of services marketing to create customer value. |

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| 35 | Semester | ELECTIVE | WEB BASED MARKETING | MBA-325 | Every business that wants to succeed online needs to have a clearly defined website marketing strategy. This is no longer optional but a 'must-have' for businesses who want to survive in the highly competitive online market. |
| 36 | Semester | ELECTIVE | RETAIL MANAGEMENT | MBA 326 | The main objective for the curriculum is to provide the learner with an overview of the retail industry, concepts and processes and an opportunity to understand the areas of accountability for a Retail Manager. The learner will also be able to determine a level of interest in pursuing a career in retail management. |
| 37 | Semester | ELECTIVE | CROSS-CULTURAL MANAGEMENT | MBA-334 | The objective of the course is to acquaint the students with Cross Cultural Management approaches, challenges and strategies and enrich them with concept of quality of work life |
| 38 | Semester | ELECTIVE | TEAM BUILDING & LEADERSHIP | MBA-335 | Even the strongest teams can benefit from these team building ideas. Corporate groups can build effective relationships while finding solutions to office conflicts, as well as set goals to drive the company to new levels of success. When you decide to host a team-building activity, it tells your team you care about their success |
| 39 | Semester | ELECTIVE | PERSONAL GROWTH AND TRAINING & DEVELOPMENT | MBA-336 | Develop their coaching capabilities by enhanced communication. Develop an optimistic attitude and become a problem solver. Manage their day effectively by learning the time management skills |

Master of Computer Applications (MCA)

| S.No. | System | Year/Semester | Course/Subject Name | Course/Subject Code | Course Outcome |
|-------|----------|---------------|----------------------------------|---------------------|---|
| 1 | Semester | 1 | Discrete Mathematical Structures | MCA-101 | The main objective of this code is to provide mathematical knowledge of statistics, probability and number theory. After completing the course the student should be competent in handling mathematical problems related with sets, probability and graph theory. |

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| 2 | Semester | 1 | Universal Human Values | MCA-102 | The main objective of this code is to aware the students about human values and professional ethics and also aware them about their various social and professional responsibilities. |
| 3 | Semester | 1 | Computer Fundamentals and Programming in C++ | MCA-103 | The main objective of this code is to provide conceptual as well as practical knowledge of basic programming tools and various methodologies used in programming. After completing the course the student should be competent in programming tools and various methodologies used in programming. |
| 4 | Semester | 1 | Database Management Systems | MCA-104 | The main objective of this course is to provide conceptual as well as practical knowledge of Database, various methodologies and applications software used for data base management. After completing the course the student should be competent in data base handling, able to design and manage database for real life problems and the student should by proficient in query handling. |
| 5 | Semester | 1 | Computer Organization and Architecture | MCA-105 | The main objective of this course is to provide conceptual as well as practical knowledge about computer organization and architecture, instruction format and actual data processing inside CPU. After completing the course the student should be able to understand all the components of computer system, as well as the organization of these components inside computer system, various data processing mechanism used inside CPU. |
| 6 | Semester | 1 | Operating Systems | MCA-106 | The main objective of this course is to provide conceptual as well as practical knowledge about Operating system (Windows and Linux). After completing the course the student should be able to understand various methodologies used by operating system to manage different types of tasks and able to use Windows and UNIX operating system proficiently. |
| 7 | Semester | 2 | Software Engineering | MCA-201 | The main objective of this course is to provide knowledge about various methodologies used in software engineering, various models used in software development. After completing the course the student should be competent in all the phases of software development life cycle, able to develop software by |

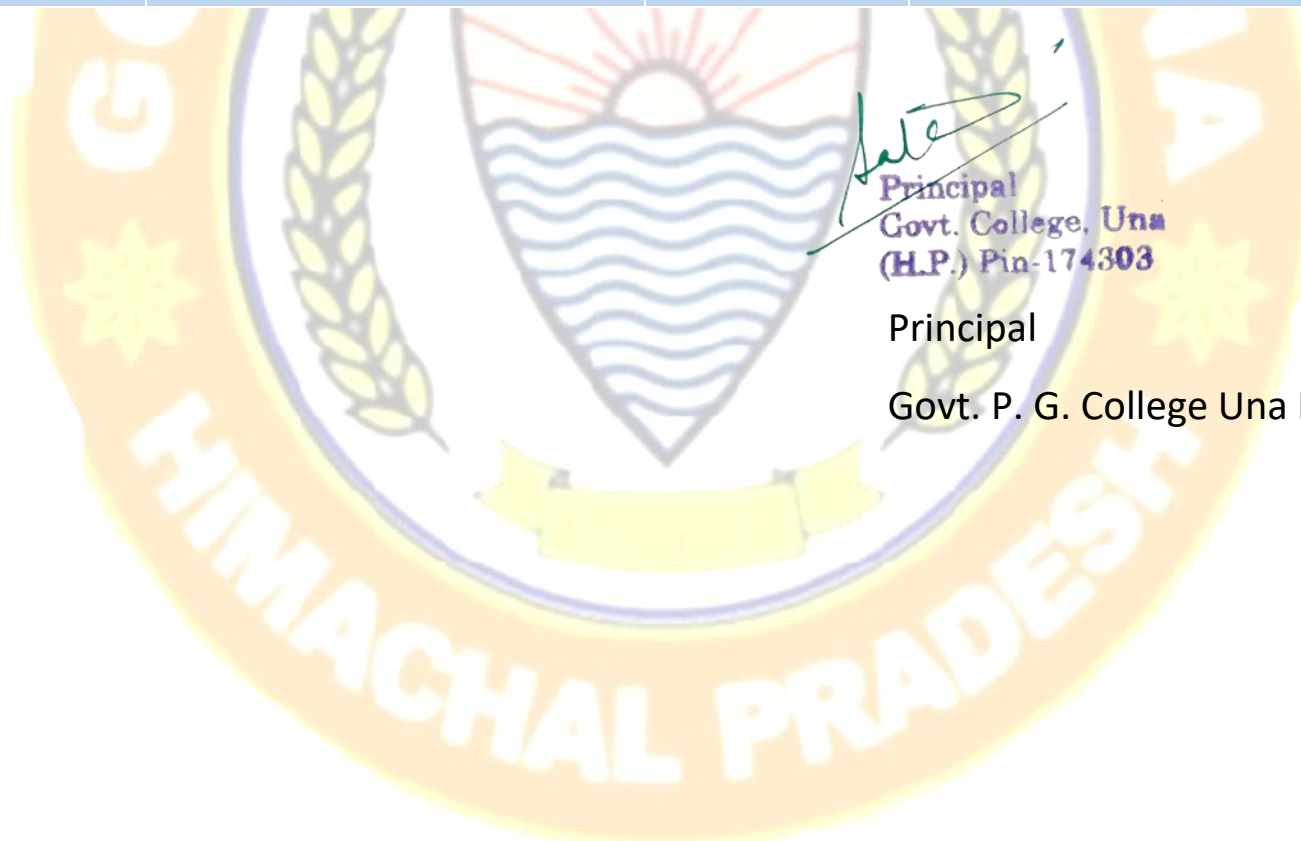
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| | | | | | following software engineering principles, and proficiently write reports for software project. |
| 8 | Semester | 2 | Data Structures Using C | MCA-202 | The main objective of this course is to provide conceptual as well as practical knowledge of Programming approach and data structures along with C language. After completing the course, the student should be competent in data structures, and able to use these tools and methodologies to solve real life problems on C platform. |
| 9 | Semester | 2 | Java Programming | MCA-203 | The main objective of this course is to provide conceptual as well as practical knowledge of Object Oriented Programming approach and data structures along with Java programming language tools. After completing the course the student should be competent in Object Oriented programming tools and data structures, and able to use these tools and methodologies to solve real life problems on Java platform. |
| 10 | Semester | 2 | Web Technology(CSS,JavaScript And PHP) | MCA-204 | The main objective of this course is to provide conceptual as well as practical knowledge of web-development Languages and web-designing tools. After completing the course the student should be competent in basic web-development as well as web-designing tools, and able to use these tools and to design and develop web-pages professionally. |
| 11 | Semester | 2 | Computer Networks | MCA-205 | The main objective of this course is to provide knowledge about various protocols and layers used in Computer Networks and basics of various communication mechanisms used to send and receive data. After completing the course the student should be competent in basics of computer networking and communication system, and understand the significance of various protocols and layers used in computer Networks. |
| 12 | Semester | 2 | Computer Graphics | MCA-206(C) | The main objective of this course is to provide conceptual as well as practical knowledge to assure quality of software. After completing the course the student should be competent in handling various quality assurance issues practically and able to these methodologies in software development. |

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| 13 | Semester | 3 | Business Communication | MCA-301 | The main objective of this course is to provide knowledge about formal standards used in Business Communication (Written and Oral). After completing the course the student should be competent in oral and writing communication, and able to handle real life complications in professional communication. |
| 14 | Semester | 3 | Programming in Python | MCA-302 | The main objective of this course is to provide conceptual as well as practical knowledge of Python. After completing the course the student can develop web solution software for real life problems. |
| 15 | Semester | 3 | Android Programming | MCA-303 | The main objective of this course is to provide conceptual as well as practical knowledge of Android programming and various languages used to create mobile applications. The main emphasis of this course is on Android Operating System and various tools used to create mobile applications for Android Mobiles. After completing the course the student should be competently develop mobile applications for Android on Eclipse IDE. |
| 16 | Semester | 4 | Cloud Computing and Big Data | MCA-304 | To provide conceptual as well as practical knowledge of basic of Cloud Computing, Various Cloud Computing terminologies and Platforms. After completing the course the student should be competent in cloud computing concepts and platforms. |
| 17 | Semester | 3 | Theory of Computation | MCA-305 | To provide conceptual as well as practical knowledge of Automata theory and various other theories used in computation. After completing the course the student should be competent to solve computation problems by applying these theories. |
| 18 | Semester | 3 | Data Analytics using R-Tool | MCA-306(D) | The main objective of this course is to provide conceptual as well as practical knowledge of various data analysis techniques and methodologies and to provide a comprehensive knowledge of R Tool for data analysis. After completing the course the student should be competent in data analysis basics and able to use R-Tool for analysis the data generated by real life software. |
| 19 | Semester | 4 | Operational Research | MCA-401 | The main objective of this course is to provide conceptual as well as practical knowledge of optimization techniques and various tools used in Operational Research. After completing the course the student can able to use these tools and techniques to find optimized solution for real life problems. |

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| 20 | Semester | 4 | Fundamentals of Management | MCA-402 | The main objective of this course is to provide conceptual as well as practical knowledge of basis Management tools and techniques. After completing the course students can implement these Management tools in their respective organization. |
| 21 | Semester | 4 | Analysis and Design of Algorithm | MCA-403 | The main objective of this course is to provide conceptual as well as practical knowledge of various Algorithm Designing techniques and their impact on programming. After completing the course the student should be competent in algorithm designing techniques, and able to use these techniques to design various algorithms for real life problems. |
| 22 | Semester | 4 | Internet Of Things | MCA-404 (A) | In this course student will explore various components of Internet of things such as Sensors, internetworking and cyber space. In the end they will also be able to design and implement IoT circuits and solutions. |



Convener IQAC




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Principal

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