



Programme outcomes

Programme	Programme Outcomes
B.Com.	The students after doing B.Com. are eligible for admission to Postgraduate programme M.Com. They can also go for postgraduate 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 Postgraduate 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.



	<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>
B.B.A.	<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>
M.Com	<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>



MA English	<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 for 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>
PGDCA	<p>The program focuses on the skill enhancement of students in which following skill components 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
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, etc6. 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.



	<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



	<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.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 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.
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.
PGDCA	<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
1.	Annual	1st year	Compulsory English	ENGCE101	To provide basic language and literary skills to the students through the given poems and stories/essays in the story.
2.	Annual	1st year	Principal Communication	of BJMCPAC101	<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
3.	Annual	1st year	Introduction to Radio and TV	BJMCPAC102	<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



					<p>work in professional atmosphere of radio station.</p> <ul style="list-style-type: none">• 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	Hist(A)101	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.
5.	Annual	1st year	History of india from C.300 TO 1206	Hist(A)102	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 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 able to understand and know the bhaktikaal, the important works of major writers like kaveerdaas, tulsidaas, meerabai, raskhan, biharilal. Students will also 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 able to understand the politics behind the omission of Urdu words in Hindi language after Independence.</p> <p>Student will also able to understand the various literary cultures and voices in India after Independence like tribal voices, women voices and dalit voices.</p>
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, shishupalvadhnam, 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, Origin and development of prose. This course will enrich the students with stories from sukhnashopadesh and shivrajvijay. 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 (Ability 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 Upanishads which are the last part of Vedic Literature also known as "Vedant". Upanishad 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.
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	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।



18.	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.
19.	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.
20.	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.
21.	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.
22.	Annual	1st year	Athletics and Game-1	PED101PR	Students will be able to perform Practical of Athletics-Events (Shot put and Long jump). Students will also able to do practicals of any one of Game Badminton/Weightlifting
23.	Annual	1st year	Olympic Movement and Organisation of Tournaments	PED101TH	Students will able to know the history of Olympics games, Asian Games and Common Wealth Games.
24.	Annual	1st year	Athletics and Game-2	PED101TH	students will be able to perform Practical of Athletics-Events(Sprints). Students will also able to do practical of any one of Game-Basketball or Table Tennis.



25.	Annual	1st year	Introduction to Physical Education	PED101TH	Students will be able to understand aim and objectives of physical education and also will understand misconceptions about of physical education. Students will also able to understand the historical background of physical education.
26.	Annual	1st year	Introduction to sociology (Core Course)	SOCL-A101	To provide a platform to understand Sociology for beginners provide an idea of social institutions To give an idea of the subject matter of Sociology in coming courses at higher level
27.	Annual	1st year	Society in India (Core Course)	SOCL-A102	To give a basic understanding of Indian Society To give an idea of the traditional basis of Indian Society To understand how unity prevails despite diversity in Indian society
28.	Annual	2nd Year	Sociological theories (core course)	SOCL-A201	To introduce students to Sociological Theory To provide a platform to students for developing the habit of scientific thinking To understand the present scenario in the light of various sociological methodologies
29.	Annual	2nd Year	Methods of Sociological Inquiry (Core Course)	SOCL-A202	To introduce students to various methods of Sociological Inquiry To give an idea of various social research designs To provide an idea of different methods of data collection
30.	Annual	2nd Year	Techniques of Social Research (sec)	SOCL-A203	Basic meaning of research Various steps of research To provide platforms for understanding paradigms of research in Sociology
31.	Annual	2nd Year	Sociology of Environment (sec)	SOCL-A204	To provide basic understanding of social environment To give an idea how society and environment are complementary to each other To provide knowledge of how society helps in sustainable development



32.	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.
33.	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.
34.	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.
35.	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.
36.	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 literature texts.
37.	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.
38.	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.



39.	Annual	2nd Year	History of India from, C. 1206 to 1707	Hist(A)203	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.
40.	Annual	2nd Year	History of India from, c. 1707 TO 1951	Hist(A)204	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.



41.	Annual	2nd Year	Historical Tourism	Hist(A)213 (Skill)	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.
42.	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>
43.	Annual	2nd Year	An Introduction to Archaeology	HistA)215 (Skill)	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.



44.	Annual	2nd Year	British Literature	ENG202	Through Literature teach certain grammar and literary skills to students.
45.	Annual	2nd Year	Literary Currents	Cross ENG203	To teach literary skills
46.	Annual	2nd Year	English English	-2 Core ENG CE 201	<p>After completion of this course, student will be able to understand the various aspects of English grammar, its use in English communication.</p> <p>They will also be able to understand the essays, stories and poetry by applying basic grammatical concepts.</p>
47.	Annual	2nd Year	Principles of Macroeconomics-1	ECONA201	<p>After completing this course the students will be able to</p> <ol style="list-style-type: none">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.



48.	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.
49.	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.
50.	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
51.	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



						the concept of correlation and regression, construct and interpret index numbers for economic variables. Measure and evaluate components of time series.
52.	Annual	2nd 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.
53.	Annual	2nd 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.
54.	Annual	2nd 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.
55.	Annual	2nd Year	Ayurved Ke Mool Sidhant	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.



56.	Annual	2nd 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.
57.	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.
58.	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.
59.	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.
60.	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.
61.	Annual	2nd Year	Introduction to Radio and TV	BJMCPAC201	• 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.



					<ul style="list-style-type: none">• 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.
62.	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.
63.	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.



					<ul style="list-style-type: none">• Student will be able to explain the role of a New Media Journalist.
64.	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
65.	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.
66.	Annual	2nd Year	Human Anatomy and Physiology	PED201TH	Students will be psychologyable to know the Human Anatomy and Physiology and also able to understand how our body works.
67.	Annual	2nd Year	Athletics and Game-3	PED201PR	Students will be able to perform Practicals of Athletics-Events(High jump and Javelin):. Students will also able to do practical of any one of Game-Handball or Boxing.
68.	Annual	2nd Year	Sports Psychology	PED202TH	Students will be able to know the sport psychology and also able to understand how human learn various sports activities. Students will also understand the personality traits.
69.	Annual	2nd Year	Athletics Games-4 and	PED202PR	



70.	Annual	2nd Year	Sports Medicine, Physiotherapy and Rehabilitation	PED203TH	students will be able to understand Sports Medicine, Physiotherapy, Hydrotherapy and Thermotherapy.
71.	Annual	2nd Year	Sports Training	PED204TH	students will be able to know the concept of Sports Training. Students will also understand how various training components like Speed, Strength, Endurance, Flexibility and Coordinate abilities can be developed.
72.	Annual	3 rd year	Social Demography (sec)	SOCL-A301	<p>To provide an idea of the science of population</p> <p>To give an insight into the idea of how the science of population came into existence</p> <p>To provide a platform to understand how important the study of demography is in the development of a nation</p>
73.	Annual	3 rd year	Theory and Practice of Development (sec)	SOCL-A302	<p>To give an idea of Sociology of Development</p> <p>Provide an insight into the various models of development</p> <p>To provide detailed description of the role of PRI's in the present scenario</p>
74.	Annual	3 rd year	Marriage, Family and Kinship (DSE)-1A Option 2	SOCL-A304	<p>To give an insight into the basic institutions of marriage and family</p> <p>Different forms of marriage being practiced in different societies along with causes</p> <p>To give an idea of how dynamic these institutions are at present witnessing rapid changes owing to westernization,</p>



					modernisation and industrialisation in developing country like India
75.	Annual	3 rd year	Social Stratification (DSE)-2A Option 1	SOCL-A305	<p>To provide an idea into the different basis of social stratification</p> <p>Different approaches of stratification as platforms to understand the very concept of social stratification</p> <p>Caste and class being the two main basis of social stratification in countries like India</p>
76.	Annual	3 rd year	Polity and Society in India (GE)	SOCL-A307	<p>To introduce students to an interdisciplinary science of Political Sociology</p> <p>How caste and religion play as important determinants of political status in India</p> <p>Different political institutions like democracy and bureaucracy and how society is being affected by these institutions</p>
77.	Annual	3 rd year	Economy and Society (GE)	SOCL-A308	<p>To introduce students to a new discipline of Economic Sociology</p> <p>To provide an idea of Sociological aspects of economic activities in India</p> <p>How the process of Globalization is affecting Indian society as a whole</p>
78.	Annual	3 rd year	Lok sahitay	BA HIND/303	<p>Students will be 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.</p>



79.	Annual	3 rd year	Aadhunik bhartiya BAHIND/304 sahitya		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.
80.	Annual	3 rd year	Generic Elective ENG GE- 306 Contemporary India: Women and Empowerment		This course is about women empowerment with special emphasis upon the key concepts like sex and gender, feminism, patriarchy.
81.	Annual	3 rd year	Vyaktitav Vikas Ka SKT-DSE-301 Bhartiya Drishtikon (DSE-1)		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 displines of action,knowledge and devotion based on Bhagavad Gita
82.	Annual	3 rd year	Sahitiyik Samalochna SKT-DSE-302 (DSE-2)		Through this course the students will go familiar with definition, types, purposeof literature.We know that Literature is the mirror of life and it deals with everything related our life.It help the students to improve sensibility and provides with a certain depth of perception. It helps students to widen outlook and develop personality.Literature bring 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.
83.	Annual	3 rd year	Bharitiya Rangshala SKT-AEEC-305 (SEC-3)		Studying Indian Theatre teach 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 develop a sustained focus of mind and body.Legends,myths,poeems,stories and

					plays used in Indian Theatre teach students about social issues and conflicts from cultures past,present all over the world.
84.	Annual	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 etcThe course provides the students with an opportunity to gain practical knowledge about Vedic Vastu. It enables the students to establishes a connection between the physical environment and quality of life.
85.	Annual	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.
86.	Annual	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,classfication 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.
87.	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.



88.	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 basic techniques required to make an emphatic news.
89.	Annual	3rd Year	Technical writing	ENG AEEC/SEC-301	To teach writing skills for technical writing to students
90.	Annual	3rd Year	Business Writing	ENG AEEC/SEC-302	To teach business writing skills to students
91.	Annual	3rd Year	Democratic awareness with Legal Literacy	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.
92.	Annual	3rd Year	Themes in Comparative Political Theory	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.
93.	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.
94.	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.
95.	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.



96.	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
97.	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 primary data collection and thier result and class test
98.	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
99.	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
100.	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.
101.	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.
102.	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 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।
103.	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.
104.	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 came to know the Cold War, its ideological and political origins, NATO, SEATO,CENTO, Warsaw Pact and concept of globalization.
105.	Annual	3rd Year	Indian History and culture	Hist(A)317 (Skill)	After the completion of this course the students will came 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 came to know the urbanization & urbanism, issue of settlements & landscapes issues of violence and Fair & Festival in India.
106.	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.
107.	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.
108.	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.
109.	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.
110.	Annual	3rd Year	Community and Traditional Media	BJMCPAD301	□ The students will be able to understand the concept of community and traditional media.
111.	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, Design storytelling through this visual medium. • 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.
112.	Annual	3rd Year	Communication Skills	BJMCPAS303P	□ Students will be able to do understand the different theoretical perspective of self esteem, listening, self assertion and official communication.
113.	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.

					<ul style="list-style-type: none"> 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>
114.	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.
115.	Annual	3rd Year	Introduction to Visual Communication	BJMCPAGE302	<p>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.</p> <p>2. This unit will introduce students to the history, forms, elements, theories, meaning, and principles of visual communication.</p>
116.	Annual	3rd Year	Soft Skills	ENG DSE 303	<p>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.</p>
117.	Annual	3rd Year	Academic Writing and Composition	ENG DSE 304	<p>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.</p>



118.	Annual	3rd Year	Specialization in Volleyball	PED301PR	Students will be able perform practical of Volleyball. And, will able to understand history of Volleyball game, measurement and preparation of the play field.
119.	Annual	3rd Year	Specialization in Football	PED302PR	students will be able to perform football and Techniques, strategies, and method of play football as well as rules and regulations of the football.
120.	Annual	3rd Year	Specialization in Kabaddi	PED303PR	Students will be able to know the history of game, measurement, preparation of the play field and equipment required for kabaddi game. Students will also able to perform fundamental skills and lead-up games and techniques, strategies and method of play of Kabaddi.
121.	Annual	3rd Year	Specialization in Athletics	PED304PR	Students will be able be to know the history of game, measurement, preparation of the play field and equipment required for Athletics. Students will also able to perform all Athletics Events.
122.	Annual	3rd Year	Recreation	PED305TH	Students will be able to understand the need and importance of recreation in modern age. Students will also able to know recreation providing agencies and recent changes in the recreational activities.
123.			Kinesiology and Biomechanics	PED306TH	Students will be able to understand importance of kinesiology and biomechanics. Students will also able to understand Newton's Laws of Motion and their implication in sports.
124.	Annual	3rd Year	Methods of Teaching in Physical Education	PED307TH	Students will be able to understand the importance of methods of teaching in Physical Education. Students will also able



					to understand class formation, its values and types of class formation.
125.	Annual	3rd Year	Officiating and Coaching	PED308TH	Students will be able to learn the officiating and coaching and its importance in games and sports. Students will also be able to understand the psychological aspects during competition and coaching.
126.	Annual	3rd Year	Yoga	PED310TH	Students will be able to understand and perform Yoga. Students will also be able to perform asana, pranayama, and Sudhi Kiryas. Students will be able to know that how Yoga cure disease and postural deformities.
127.	Annual	3rd Year	Health Education and Nutrition	PED309TH	students will be able to understand the concept of health and scope of health education. Students will also be able to understand the concept of personal hygiene. Students will also be able to understand bad effect of alcohol and smoking on health.

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, identity 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</p> <p>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>



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.					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 Calculus	MATH101TH	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.



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.



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.
15.	Annual	1st year	Writing skills	ENG AECC 104	<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 Architecture	System (COMP201TH)	



<p>16.</p>	<p>2nd Year</p>	<p>Database Management System (COMP202TH)</p>	<ul style="list-style-type: none"> • To study database management operations. • To study data security and its importance • To study client server architecture. <p>ER and EER to relational mapping functional dependencies, normal forms up to third normal form.</p>
<p>Annual</p>	<p>2nd Year</p>	<p>PHP Programming (COMP203TH)</p>	<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.



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	<p>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 .</p> <p>In statistical physics the practice the point that material contain at item</p>
24.	Annual kj	B.sc 2 nd Year	Waves & Optics	PHYS-202TH	<p>The physics and mathematics of waves motion underlie many importance phenomenon the water wave on the sea and quantum mechanisim 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</p>
25.	Annual	B.sc 2 nd Year	Workshop Skill.	PHYS-203TH	<p>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</p>
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.
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.
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.					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.
	Annual	2nd Year	Vector calculus	MATH310TH	
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 itsscheduling algorithms • To understand design issues inprocess synchronization and deadlock management • To study various memorymanagement schemes • To learn about concept file and I/O 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 systemconcepts • 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	3 rd 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.
42.	Annual	3 rd 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.letc
43.	Annual	3 rd 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,,forward 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	3 rd 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.
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 (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.					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.
	Annual	3rd Year	Inorganic Chemistry	CHEM 304 th	
50.					Upon successful completion of this course, students will be able to:
	Annual	3rd Year	Nuclear and particle Physics	PHYS304TH	<ul style="list-style-type: none"> -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



					<p>Mechanics.</p> <ul style="list-style-type: none"> - Basic idea of Nuclear reactions, Detectors and Accelerators. - Basic idea and preview of Particle Physics.
51.	Annual	3rd Year	Elements of Modern Physics	PHYS301TH	<p>Upon successful completion of this course, students will be able to</p> <ul style="list-style-type: none"> -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
52.	Annual	B.sc 3 rd Year	Renewable sources of energy	PHYS310TH	<p>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.</p>
53.	Annual	3rd Year	Economic Botany and biotechnology	BOTA 301	<p>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.</p>



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	<ul style="list-style-type: none">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	<ul style="list-style-type: none">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, 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.
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.
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
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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.
5.	Semester	II nd Semester	History of English Literature: Ninteenth to Twenteth 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.
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, Bhisham 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	Ist 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.
2.	Semester	Ist Semester	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	Ist Semester	Managerial Economics	MC 1.3	Students able to know about economical demand & Supply and various theory regarding micro economics.
4.	Semester	Ist Semester	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	Ist Semester	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.
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</p>



statement and reports generated through Tally and various other Statistical Packages Useful in Business like SPSS.

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.
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 be 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 be 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.
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	<p>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</p> <p>After studying this course, students will come to know that protection of environment is very important for us.</p>
4	Semester	II nd Semester	Managerial Economics	BBA202	<p>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.</p>
5	Semester	II nd Semester	Business Ethics and CSR	BBA204	<p>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.</p>
6	Semester	II nd Semester	Business Accounting	BBA203	<p>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.</p>
7	Semester	II nd Semester	Business Accounting	BBA203	<p>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.</p>



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.
11	Semester	III rd Semester	India's Diversity and Business	BBA304	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. By studying this course, students will know how to manage the diverse workforce in business.



12	Semester	IV th Semester	Business Research	BBA401	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.
13	Semester	IV th Semester	Financial Management	BBA403	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.
14	Semester	IV th Semester	Human Resource Management	BBA402	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.
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
19	Semester	V th Semester	Training and mgt development	BBA504	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. Post training in which include training evaluations ,training impact on individuals and organizations .
20	Semester	VI th Semester	Financial institution and market	BBA 602	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.



21	Semester	VI th Semester	Performance and compensation Mgt	BBAS 603	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.
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.

● विद्यया अमृतमश्नुते ●

अम्ब, जिला ऊना (हि०प्र०)



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.
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 · 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.





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 approach2 Describe the object-oriented programming approach in connection with C++3 Apply the concepts of object-oriented programming4 Illustrate the process of data file manipulations using C++5 Apply virtual and pure virtual function & complex programming situations



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



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.



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



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,



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: 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.





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



	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

IQAC Convener

विद्यया अमृतमश्नुते

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