



M.V.P SAMAJ'S
Karmaveer Ganpat Dada More Arts, Commerce & Science College, Niphad Dist. Nashik
Department of English

Program and Course outcomes

Program: B.A. English		
Program Outcomes	PO-1. Students will be able to learn the basics of English language PO-2. It will help develop linguistic skills in students. PO-3. Skill sets in the course will make students confident and employable. PO-4. Students will become proficient in interactions, conversations and professional dialogues. PO-5. Students will be introduced to complementary disciplines. PO-6. Students will get exposure to practical/real life situations. PO-7. It will help to enhance their awareness about shared national heritage. PO-8. Students studying pieces of literature will develop more humane and broad approach towards others. PO-9. Exposure to skills and values that are important in the present contexts will develop confidence in students. PO-10. It will help develop sense of responsibility and commitment to excellence in students.	
Programme Specific Outcome	PROGRAMME SPECIFIC OUTCOMES PSO-1. Communication Skills: Students will be able to understand and explain their experiences and events around them. PSO-2. Research Aptitude: Students will develop basic linguistic skills necessary for research. PSO-3. Analytical Skills: Students will learn to evaluate and assess the authenticity and credibility of source materials. PSO-4. Professional Development: Students will have career opportunities in many corporate and public organizations. PSO-5. Critical Thinking: Students will learn the importance of raising questions and finding answers. PSO 6. Human Values and ethics: Students will understand the importance human values. PSO-7. Problem Solving: Students will learn to accept challenges, assess the complexities and find solutions. PSO-8. Policy Analysis: Students will learn post facto implications and consequences of policies. PSO-9. Disciplinary knowledge: Students will know the basics of English language, its building blocks like vocabulary, reading, writing, comprehension. PSO-10. Linguistic Abilities- Students will learn to appreciate the skills and use them for their benefit and for the benefit of the society	

Sr · N o.	Course	Outcomes
1	F. Y. B. A. Ability Enhancement Course (AEC) <i>Prescribed Text:</i> Developing Communicative Competence in English	1. Students understand the importance of communication and the consequent competence required for it. 2. Students learn the basics of communication 3. Students acquire the necessary skills components of communication 4. Students become confident about communication through rigorous exercise 5. Students become competent in communication 6. Students realize that literary pieces are very good examples of effective communication. Previous stages of learning.
2	FYBA Subject: English DSC1-English for Beginners	Course Outcomes: 1. Students learn the basics of English language 2. Students become confident and proficient in the use of English in real life situations 3. Students relies the beauties of literature as linguistic construction and learn less and values of life 4. Students acquire necessary skills that make them competent and employable 5. Students learn the significance of human values
3	Open Elective (OE): Mass Communication through English Objectives: 1. To expose students to various aspects of communication	1. Course Outcomes: 1. Students get enough exposure to the basics of mass communication. 2. Students become familiar with the importance of mass communication in the present global contexts 3. Students acquire necessary skill sets of mass communication 4. Students becomes familiar with and capable of good mass communication 5. Students become effective communicators

4	SYBA Appreciating Poetry & Appreciating Drama	1. At the end of the course, the learner will be CO 1: able to gain a deep understanding of the artistic and literary qualities of poetry and drama, fostering a lifelong appreciation for these forms. CO 2: critically analyze poetic and dramatic texts, identifying themes, literary techniques, and stylistic elements with depth and clarity. CO 3: examine the evolution of poetry and drama across different time periods and cultures, recognizing their role in shaping and reflecting societal values. CO 4: understand the significance of theatrical performance in drama and oral traditions in poetry, recognizing their impact on meaning and audience engagement. CO 5: acquire essential creative and analytical skills that will support further academic research, literary critique, and artistic endeavors in poetry and drama. .
5	Class: SYBA Subject: English Vocational Skill Course (VSC) Title of the Paper: Introduction to English Language: Phonology and Morphology	1 Course Outcomes: By the end of the course, learner will be able to: CO 1: Define and explain key concepts in phonology and morphology and their relevance to the study of language. CO 2: Identify and classify speech sounds using the International Phonetic Alphabet (IPA), and analyze their patterns in English and other languages. CO 3: Understand phonological rules and processes, including assimilation, elision, and stress patterns. CO 4: Analyze the internal structure of words, recognizing morphemes and their roles in word formation. CO 5: Differentiate between inflectional and derivational morphology, and understand their implications for grammar and meaning. CO 6: Apply phonological and morphological knowledge to improve pronunciation, vocabulary, and grammatical accuracy. CO 7: Demonstrate basic skills in linguistic analysis, preparing them for advanced study in linguistics and related fields.
6	Class: SYBA Subject: English Field Project/On Job Training/Community Engagement Programme (FP/OJT/CEP)	1 Course Outcomes (COs) After the successful completion of this course, students will be able to: CO1. Get exposure to real-life situations. CO2. Acquire research orientations and aptitudes. CO3. Develop communication skills. CO4. Develop the writing skills. CO5. Transform Knowledge into skills. CO6. Apply theory/ knowledge to practical situation/ problem

7	Subject: English Minor Title of the Paper: English for Competitive Examinations Prescribed Text: English for Competitive Examinations (Board of Editors) Orient Blackswan, 2025	Course Outcomes: After the successful completion of this course, the students will be able to: CO1) understand the major types of competitive examinations in India. CO2) identify the competitive examinations required for their career. CO3) prepare for the competitive examination/s of their choice. CO4) apply the knowledge of language and literature to qualify the competitive examinations.
8	Class: SY Subject: English Generic/ Open Electives (For Commerce Faculty) Prescribed Text: Business English (Board of Editors) Orient BlackSwan, 2025	Course Outcomes (COs): At the end of the course, the learner will be able to: CO 1: participate in business communication effectively CO 2: negotiate with the clients CO 3: write business letters, emails, memos etc. CO 4: conduct or participate in business meetings, workshops, exhibitions, forums etc. and CO 5: prepare content for various business purposes
9	Class: SYBA Subject: English Skill Enhancement Course (SEC) Title of the Paper: English for Advertisement Prescribed Text: English for Advertisement (Board of Editors) Orient Blackswan, 2025	Course Outcomes (COs): CO1: The learners will have developed proficiency in persuasive writing for advertising. CO2: Students will be able to demonstrate creative thinking and innovative approaches in advertising. CO3: The learners will be able to write for different advertising platforms while applying their analytical skills to understand the market and audience.
10	Class: SYBA Subject: English Indian Knowledge System (IKS)	Course Outcomes (COs): CO1. Students come to know about Indic languages CO2. Students realize the rich linguistic diversity and repertoire of Indic languages.
11	FYBA Skill Enhancement Course (SEC): Soft Skills through English	1. Course Outcomes: 1. Students are introduced to the significance and basics of soft skills 2. Students acquire soft skills necessary in real life situations 3. Students know the theory of soft skills and their practical importance through exercise. 4. Students learn many different soft skills 5. Students become confident and competent through soft skill.

12	Class: F. Y. B. Sc. & BCs Subject: English Ability Enhancement Course Prescribed Text: Professional Communication Skills (Board of Editors) Orient BlackSwan, 2024	• CO-1 Read and understand texts in English • CO-2 Enrich and use vocabulary effectively • CO-3 Understand and Develop Communicative Competence • CO-4 Use body language in different situations • CO-5 Acquaint with digital platforms and technology • CO-6 Write letter, notice, agenda, minutes and blog
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13	T. Y. B. A. Compulsory English (w. e. f- 2021-22) <i>Exploring New Horizons</i>	1. To familiarize students with some excellent pieces of prose and poetry in English so that they realize the beauty and communicative power of English. 2. To enable students to become competent and effective users of English in real life situations. 3. To contribute to the overall personality development of the students. 4. To instill humanitarian values and foster sympathetic attitude in the students. 5. To train the students in practical writing skills required in work environment. 6. To impart knowledge of some essential soft skills to enhance their employability.
14	T. Y. B. A (G3) Skill Enhancement Course (SEC 1-C & SEC 1-D) (w. e. f- 2021-22) <i>Aspirations: English for Careers</i>	1. To get the awareness of career opportunities available to them. 2. To identify the career opportunities suitable to them. 3. To understand the use of English in different careers. 4. To develop competence in using English for the career of their choice. 5. To enhance skills required for their placement. 6. To use English effectively in the career of their choice. 7. To exercise verbal as well as nonverbal communication effectively for their career.
15	T.Y.B.A. (S3) Appreciating Novel (w. e. f. 2021-22) Discipline Specific Elective 1) <i>Silas Marner- George Eliot</i> 2) <i>A Farewell to Arms- Ernest Hemingway</i> 3) <i>The Painter of Signs- R. K Narayan</i>	1. To introduce students to the basics of novel as a literary form 2. To expose students to the historical development and nature of novel . 3. To make students aware of different types and aspects of novel. 4. To develop literary sensibility and sense of cultural diversity in students. 5. To expose students to some of the best examples of novel.

16	T.Y.B.A (S4) Discipline Specific Elective (w. e. f. 2021-22) <i>Introduction to Literary Criticism</i>	1. To introduce students to the basics of literary criticism. 2. To make them aware of the nature and historical development of criticism. 3. To make them familiar with the significant critical approaches and terms. 4. To encourage students to interpret literary works in the light of the critical approaches. 5. To develop aptitude for critical analysis.
17	T.Y.B.A. Skill Enhancement Course (w. e. f. 2021-22) (SEC 2-C & SEC 2-D) <i>Mastering Life Skills and Life Values</i>	1 To equip the students with the social skills. 2. To train the students interpersonal skills. 3. To build self-confidence and communicate effectively. 4. To Encourage the students to think critically 5. To learn stress management and positive thinking. 6. To enhance leadership qualities. 7. To aware the students about universal human values. 8. To develop overall personality of the students.



M.V.P SAMAJ'S

**K.G.D.M ARTS, COMMERCE AND SCIENCE COLLEGE, NIPHAD PROGRAMME
OUTCOMES**

Course outcomes for three years Bachelor of Arts Degree course

Economics		
Sr. No.	Course	Outcomes
1	B.A. Economics	1) Ability to compare and contrast Indian Economy with other world economies. 2) Understand the how the economy's total output of goods and services and employment of resources is determined and what causes these totals to fluctuate. 3) To make an Undergraduate student aware of the basic theoretical framework underlying the field of Economics. 4) The students would also be well trained about the rationale of recent changes in the Export Import policies of India.
2	F.Y.B.A. Economics G-1, Indian Economic Environment (I & II) (CBCS Pattern) From: June-2019	1) Ability to develop an understanding of the economic environment and the factors affecting economic environment. 2) Ability to develop awareness on the various new developments in the different sectors of an economy – agriculture, industry, services, banking, etc. 3) Ability to compare and contrast Indian Economy with other world economies. 4) At the end of the course, the student should be able discuss and debate on the various issues and challenges facing the Indian Economic Environment

3	S.Y.B.A. Economics G-2, Financial System (I & II) From : June – 2020 (CBCS Pattern)	1) The students understand fundamentals of modern financial system. 2) The students understand the recent trends and developments in banking system. 3) It understands the role of the Reserve Bank of India in Indian financial system. 4) The students gain the knowledge of various financial and non financial institutions. 5) The students gain the knowledge about intricacies of Indian financial system for better financial decision making.
4	S.Y.B.A. Economics S- 1, Micro Economics (I & II) From: June –2020 (CBCS Pattern)	1) The students develop an understanding about subject matter of Economics. 2) The students impart knowledge of micro economics. 3) The students clearly clarify micro economic concepts. 4) The students learned analyze and interpret charts, graphs and figures.
5	S.Y.B.A. Economics S- 2, Macro Economics (I & II) From: June-2020 (CBCS Pattern)	1) The students learn to the historical background of the emergence of macro economics. 2) The students familiarize with the differences between micro economics and macro economics. 3) The students familiarize with various concept of National Income. 4) The students familiarize with Keynesian macroeconomic theoretical framework of consumption and investment function. 5) The students know to the role of money an economy.
6	S.Y.B.A. Economics SEC- Basic concept of Research methodology (I & II) From: June-2020 (CBCS Pattern)	1) Demonstrate students understanding of sampling methods and the ability to use collection data. 2) Identify the appropriate sample techniques for different kinds of research questions. 3) Identify the appropriate source of data in relation to the collection of research data. 4) Able to classify and present to collected data in the form of graph, bar diagram, chart ect.
7	T.Y.B.A. Economics G-3, Indian Economic Development (I & II) From : June – 2021 (CBCS Pattern)	1) To relate and recognize the concept and indicators of Economic Development. 2) To describe and analyze the concept and indicators of Human Development. 3) To explain the characteristics of Developing and Developed Countries. 4) To describe the constraints to the process of Economic Development 5) To describe and explain the process of Economic Planning.

		6) To describe and examine the changing structure of planning process in India. 7) To describe and explain the relation between Economic Development and Environment.
		8) To relate and recognize the concept and indicators of Economic Development. 9) To describe and analyze the concept and indicators of Human Development. 10) To explain the characteristics of Developing and Developed Countries. 11) To describe the constraints to the process of Economic Development 12) To describe and explain the process of Economic Planning. 13) To describe and examine the changing structure of planning process in India. 14) To describe and explain the relation between Economic Development and Environment.
8	T.Y.B.A. Economics S- 4, Public Finance (I & II) From: June-2021 (CBCS Pattern)	1) To relate and recognize the Nature and Scope of Public Finance. 2) To describe and analyze the concept of Public Revenue and its components. 3) To explain types of Public Expenditure and reasons for rising Public Expenditure. 4) To explain the types of Public Debt and its effects. 5) To explain and assess the components and instruments of Fiscal Policy. 6) To relate to the concepts of Budget and its components. 7) To describe and analyze the concept of Deficit Financing and its effects. 8) To describe and explain the Centre and State Financial Relationship.
9	T.Y.B.A. Economics SEC- Business Management (I & II) From: June-2021 (CBCS Pattern)	1) Management of Business. 2) Business planning and decision making. 3) Leadership Skills- Ability to work in teams at the same time, ability to show leadership qualities. 4) Analytical Skills – Ability to analyze data collected and interprets in the most logical manner. 5) Project Report Writing Skills- Ability to comprehend and illustrate/demonstrate findings. 6) Presentation Skills – PPT/Poster- Ability to illustrate findings in the most appealing

		manner. 7) Leadership Skills: Ability to show leadership skills with business ideas or work on business ventures as a practical example.
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K.G.D.M ARTS, COMMERCE AND SCIENCE COLLEGE, NIPHAD PROGRAMME OUTCOMES-2023-24

Program & Course outcomes for two years M.A (Economics) Degree

Sr. No	Course	Outcome
	M.A(Economics)	1) The student should be able to evaluate Economic concepts, models and its use in real life situations. 2) Ability to discuss and debate the effects of trade policy, trade agreements, exchange rate policies on the world economy/trade. 3) The student should be able to evaluate Economic concepts, models and its use in real life situations. 4) Students who complete their post graduation in economics are mentally equipped to pursue research in the same discipline.
1	EC-1001 Micro Economic Analysis-I (SEM- I)	1) Ability to apply the concepts of micro economics such as demand, supply, revenue, cost, elasticity, etc. 2) Ability to analyze and demonstrate knowledge of the basic theories/laws in economics-law of demand, law of supply, production function, etc. 3) At the end of the course, the student should be able to evaluate microeconomic concepts, models and its use in real life situations.

2	EC-1002 Public Economics-I (SEM- I)	1) Ability to recognize, apply and analyze concepts and theories in public economics. 2) Ability to appraise and assess the theory of public economics in real life situations.
3	EC-1003 International Trade (SEM- I)	1) Ability to understand the concepts of international economics such as comparative cost, terms of trade, trade policies and trade agreements. 2) Ability to interpret and apply theory relating to understand international trade. 3) Ability to discuss and debate the effects of trade policy, trade agreements, exchange rate policies on the world economy/trade.
4	EC- 1004 Agricultural Economics (SEM- I)	1) Ability to analyze and evaluate the subject with reference to various aspects of agrarian economies. 2) Ability to develop an understanding of agriculture with its intricacies and imperfections and to be able to construct intellectual dialogue on the challenges of agriculture.
5	EC- 2001 Micro-Economic AnalysisII (SEM- II)	1) Ability to apply the concepts of micro economics such as demand, supply, revenue, cost, elasticity, etc. 2) Ability to compare and contrast various market structures and understand concept of equilibrium, price determination. 3) At the end of the course, the student should be able to evaluate microeconomic concepts, models and its use in real life situations.
6	EC-2002 Public Economics II (SEM- II)	1) Ability to understand, apply and analyze concepts- public debt, budget, fiscal policy in public economics. 2) Ability to interpret the theories relating to public economics in real life situations. 3) Ability to discuss and debate on the public finance and policies w. r. t. India.
7	EC-2003 International Finance (SEM- II)	1) Ability to understand and interpret the concepts such as Balance of Payments, Exchange Rates, Foreign Exchange Transactions, International capital flows, etc. 2) Ability to critically analyze the effects of deficit, exchange risk, rolls of foreign capital on the world economy/trade. 3) Ability to discuss and debate on subjects related to international trade and finances the Indian Economy.
8	EC-2004 Labour Economics (SEM- II)	1) Ability to analyze and evaluate the subject with reference to various aspects of Labour economics. 2) Ability to develop an understanding of the labour with its intricacies and imperfections and to be able to Construct intellectual dialog on the challenges of labour the Indian Economy.

M.V.P SAMAJ'S
K.G.D.M ARTS, COMMERCE AND SCIENCE COLLEGE, NIPHAD PROGRAMME
OUTCOMES

Course outcomes for three years Bachelor of Commerce Degree course

T.Y.B.com. Economics		
Sr. No.	Course	Outcomes
1	B.Com. Economics	1. Students will be able to understand present Economic Scenario of Indian Economy as well as World Economy. 2. Students will be able to understand the various aspects of development in Agricultural, Industrial and service sector in India. 3. Student will be able to critically evaluate the role of India in International economy. 4. Students will be able to evaluate the working of international financial organization and institutions.
2	T.Y.B.com. Economics 'Indian & Global Economic Development' (I & II) From : June – 2021 (CBCS Pattern)	1. Students will be able to understand the concept of Human Resource Development. 2. Students will be able to understand the role of foreign capital in Economic Development. 3. Students will be able to critically evaluate the Indian Foreign Trade Policy. 4. Students will be able to analyze the role of International Financial Institutions. 5. Students will be able to evaluate the success of Regional Economic Cooperation's.



KGDM Arts, Commerce and Science College Niphad
F.Y.B.A. Political Science program
Department of Political Science

Sr.No.	Course	Outcomes
1	POL-101-T : Introduction to Political Science -I	1. The students will be able to understand the nature and scope of Political Science. 2. The students shall understand the various traditional and modern approaches to the Study of Political Science. 3. The students will understand the basic concepts in Political Science and apply these concepts in making sense of social realities.
2	POL-102-P : Political Science - Practical	1. Students will know how to apply the concepts learned in class in real life. 2. The students will know how the contents of Political Science are actually used.
3	OE-101-POL : Good Citizenship	1. The students will develop a basic understanding of citizenship theories and concepts, demonstrating a comprehension of the foundational elements that shape good citizenship. 2. They will be able to take on the challenges to citizenship in a more matured learned manner. 3. They will acquire the skills necessary for effective civic discussion, enabling students to actively contribute to community discussions, collaborate with peers, and work towards positive societal changes.
4	SEC-101 POL : Communication Skills	1. Through this course, students will gain a clear understanding of communication concepts. 2. They will learn the mechanism of the communication process including essential elements and effective mediums.
5	VEC-102-POL : Indian Constitution - I	1. The students will be able to explain the core philosophy and ideals of the Indian Constitution. 2. The students will be able to understand the Indian values, ideals and the role of the Constitution in a democracy. 2. Students will know about the fundamental rights and how these rights are different from the Directive Principles of the State Policy.
6	POL-151-T : Introduction to Political Science -II	1. The students will be able to understand the nature and scope of Political Science. 2. The students shall understand the various traditional and modern approaches to the study of Political Science. 3. The students will understand the basic concepts in Political Science and apply these concepts in making sense of social realities.
7.	POL-152-P : Political Science - Practical - II	1. Students will know how to apply the concepts learned in class in real life.

		2. The students will know how the contents of Political Science are actually used.
8	OE-151-POL : Good Citizenship - Practical	1. They will be able to showcase the ability to translate theoretical knowledge into practical action through engagement in community service projects and active participation in civic initiatives. 2. This will help them to understand the real-life situations in our society and use their skills to practically deal with them
9.	SEC-151-POL : Communication Skills - Practical	1. Students will understand the fundamentals of communication and its various forms, types, and barriers. 2. Students will be able to apply communication techniques effectively in real-world scenarios.
10.	VEC 152 : Indian Constitution – II	1. The students will be able to explain the nature, features and process of the Indian Federal System. 2. The students will be able to understand the role of the Parliament in the Indian political system. 3. Students will know about the different powers of Parliament and Central Government.

1. The program outcomes for an F.Y.B.A. Political Science program include developing a foundational knowledge of political science concepts, understanding and evaluating various political systems, and analyzing the role of political theories, ideologies, and philosophies.

2. Students are expected to develop analytical and critical thinking skills, demonstrate an understanding of both Indian and world politics, and gain the ability to apply their knowledge to contemporary issues.

S.Y.B.A. Political Science

PROGRAMME OUTCOMES (POs):

PO1. Understanding Political Concepts: Develop a clear understanding of fundamental political concepts, including state, nation, sovereignty, power, law, liberty, equality, justice and democracy.
PO2. Knowledge of Indian Constitution and Government: Gain in-depth knowledge about the Indian Constitution, its features, fundamental rights and duties, structure of government, federal structure and all types of political institutions.
PO3. Awareness of Political Processes: Understand the functioning of electoral systems, political parties, pressure groups, public opinion and the role of media in a democracy.
PO4. Global Political Awareness: Understand the basic features of international relations, globalisation, and international organisations like the UN and India's foreign policy.
PO5. Civic Sense and Democratic Values: Develop responsible citizenship, democratic spirit, secularism and respect for diversity and human rights.
PO6. Critical Thinking and Debate Skills: Improve analytical and critical thinking by evaluating political ideologies, policies and governance structures through discussions, debates and case studies.
PO7. Ethical and Constitutional Commitment: Inspire ethical behaviour and a commitment to constitutional values, such as justice, liberty, equality, and fraternity.
PO8. Application in Real Life: Apply political science knowledge in real-life civic activities such as voting, community involvement and leadership roles.
PO9. Research and Analytical Skills: Encourage the use of political theories and concepts in analyzing contemporary political events and conducting basic research.

PO10. Preparation for Higher Studies and Careers: Build a foundation for competitive exams (e.g., UPSC, State PCS), law, civil services, teaching, international relations and political research.
PROGRAMME SPECIFIC OUTCOMES (PSOs):
PSO1: Understand Fundamental Political Theories and Concepts: Students will gain a comprehensive understanding of key political science concepts, including the state, power, sovereignty, rights, justice and democracy.
PSO2: In-depth Knowledge of the Indian Political System: Students will understand the historical evolution, structure, functioning and dynamics of the Indian Constitution, Parliament, Executive, Judiciary, Election Commission and Political Parties.
PSO3: Insight into Western and Indian Political Thought: Students will critically examine the contributions of thinkers such as Plato, Aristotle, Machiavelli, Rousseau, Gandhi, Savarkar, Ambedkar, Nehru and their relevance to contemporary political issues.
PSO4: Understanding Public Administration and Governance: Students will understand the basics of public administration, including bureaucracy, e-governance, administrative reforms and policy implementation.
PSO5: Analysis of International Relations and Foreign Policy: Students will study global political issues, international organisations (such as the UN and WTO), diplomacy and India's relations with major countries, as well as its role in world politics.
PSO6: Research and Field Study Skills: Students will develop the ability to conduct basic political research using qualitative and quantitative methods, prepare reports and participate in fieldwork activities such as surveys and interviews.
PSO7: Civic Responsibility and Constitutional Awareness: Students will become responsible citizens committed to democratic values, constitutional rights, duties, secularism and human rights.
PSO8: Career and Competitive Exam Readiness: Students will be prepared for careers in civil services, law, public policy, journalism, political assistance, social work and teaching, as well as for competitive exams such as UPSC, MPSC, NET/SET, etc.
PSO9: Skill Development in Communication and Leadership: Students will enhance their ability to debate, discuss, present and lead effectively in academic and social settings, thereby fostering leadership and teamwork.

Sr.No.	Course	Outcomes
1	Semester III POL 201 MJ : Indian Political Thinkers	1. It will help instill awareness of Indian ideas and nationalism among students. 2. It will help in instilling new ideas among the students. 3. Students will understand the contributions of thinkers and the importance of the political system. 4. It will help in interpreting organisations of the state. 5. It will underscore the importance of thinkers to dismantle unjust social systems. 6. It will help in understanding the contribution of thinkers to strengthen democracy in India.
2	Semester III POL 202 MJP: - Indian Political Thinkers - Practical	1. The students will understand the importance of the political system. 2. It will help in interpreting the organisations of the state. 3. It will underscore the importance of thinkers to dismantle unjust social systems. 4. It will help in understanding the contribution of thinkers to strengthen democracy in India.
3	Semester III POL 221 VSC: Political Assistance	1. Students will gain a deep understanding of the various roles (Political Secretary, PA, OSD, etc.) in political and administrative environments. 2. Students will be able to analyze the importance of these roles in the smooth functioning of a political office or governmental system 3. Students will develop skills which are applicable in both political and administrative assistance.
4	Semester III POL-231-FP: Political Science - Field Project	1. Students will be able to demonstrate integrity in their work. 2. Students will learn to achieve common goals through teamwork and collaborative efforts. 3. Students will familiarise themselves with the challenges, opportunities, and culture of socio-economic diversity in Indian society. 4. Practical field experience will develop a knowledge-based perspective.
5	POL 201 IKS: Ancient Indian Political Thought	1. Understand the historical background, origin, and evolution of Buddhism, including the life and teachings of Buddha. 2. Analyse the core philosophical concepts of Buddhism, such as Dharma (Dhamma), the Four Noble Truths, the Eightfold Path, Ahimsa, and their relevance to personal and social life. 3. Examine Kautilya's political theories including the Saptanga Theory, Mandala Theory, and his views on statecraft, governance, and foreign policy as detailed in the Arthashastra. 4. Evaluate the contemporary relevance of Buddhist philosophy and Kautilya's Arthashastra in modern socio-political systems and ethical governance.

6	POL 241 MN: Rural Local Self-Government in Maharashtra	1. The students will be able to explain the Panchayati Raj in India- 2. The Students will understand Rural Development. 3. Students will be aware of the role of Panchayat Raj.
7.	P OL 242 MNP: Rural Local Self-Government in Maharashtra - Practical	1. Students will learn how to apply the concepts taught in class to real-life situations. 2. Students will know the structure and administration of rural local self-government bodies.
8	OE 202 POL : District Administration	1. Students will be able to understand the workings and rules of district administration. 2. Students will get guidance in the context of competitive exams and daily routines. 3. It will help increase participation among students and the general public in the administration.
9.	Sem -IV POL 251 MJ : Western Political Thinkers	1. The students will be able to understand the nature and scope of Political Thought. 2. The students shall develop analytical and critical thinking skills. 3. The students will appreciate the influence of Political Thinkers on the Contemporary Era.
10.	POL 252 MJP : Western Political Thinkers - Practical	1. The students will be able to engage in debate and discussion. 2. The students will be able to synthesize classical and contemporary Political Thought. 3. The students shall enhance critical thinking and writing skills.
11	POL 271 VSC : Political Assistance- Practical	1. Students will gain a comprehensive understanding of the different roles involved in political assistance and the significance of these roles in supporting political leaders and governmental functions. 2. Students will develop practical skills in managing political schedules, communications, organizing events, and coordinating tasks within a political office. 3. Students will understand the ethical responsibilities of political assistance, including the importance of confidentiality, professionalism, and discretion in their roles.
12	POL-281-CEP : Political Science - Community Engagement Programme	1. Students will develop practical public speaking and presentation skills. 2. Students will be able to articulate ideas clearly in interpersonal interactions. 3. Students will gain knowledge and skills in planning and executing successful events in the field of political relations. 4. Students will acquire essential practical skills required for maintaining effective political and social engagement and rapport.
13	POL 291 MN: Urban Local Self-Government in Maharashtra	1. The students will be able to explain the urban Institutes. 2. Students will understand urban development and metropolitan planning. 3. Students will be aware about the participation in the Urban Local Self-Government.
14	POL 292 MNP: Urban Local Self Government in Maharashtra - Practical	1. Students will learn how to apply the concepts taught in class to real-life situations.

		2. Students will know the structure and administration of urban local self-government bodies.
15	OE 251 POL : District Administration - Practical	1. Students will understand a mechanism that prioritizes solving people's problems at the local level. 2. It will help students gain practical and hands-on experience in revenue and police administration.
16	SEC 251 POL : Political Science Critical Thinking - Practical	1. Students apply critical thinking skills to solve problems in the real world within Political Science. 2. Students will analyze & evaluate existing policies and programmes. 3. Students can engage with diverse perspectives and difficult points. 4. Identify major issues in today's public institutions.

KGDM Arts, Commerce and Science College Niphad
PROGRAMME OUTCOME 2024-25
Department of Political Science

T.Y.B.A. Political Science		
Programme Outcomes	Political Science program outcomes include developing analytical and critical thinking skills, gaining in-depth knowledge of political institutions, theories, and ideologies, and understanding global and national political processes. Students will be able to analyze constitutions and political systems, understand the role of media, develop research skills, and be prepared for careers in various sectors.	
Sr.No.	Course	Outcomes
1	Modern Political Analysis Gen Iii	CO.1 The focus of the course will be on the Modern Political Analysis of power CO.2 The emphasis on the nature of power in modern societies- more in form of organizations and social formations than as individual power. CO.3 State will be studied as a repository of power in society while class and patriarchy are two instance to how of the nature of power is sapped social factors. CO.4 Students are also expected to understand different form of justifications of power and rhea role of ideology in this regard.
2	Dse- Public Administration Spl Iii	CO.1 The essence of public administration lies in its effectiveness in translating the governing philosophy into programmes, policies & activities and making it a part of community living. CO.2 The paper covers personal public administration in its historical context. CO.3 Proceeding to highlight several of its categorise, Which have developed administrativesailence and capablities to deal with the process of change. CO.4 The recent development & particularly the emergence of New Public Administrations are incorporated within the larger paradigm of democratic legitimacy. CO.5 The importance of legislative & judicial control over administration is also highlighted.
3	Dse- International Relations	CO.1This paper deals with concepts & dimension of International Relation And makes an analysis of different theories highlighting the major debates and differences within the different theoretical paradigms. CO.2 .The dominant theories of power and the question of equity and justice, the different aspects of balance of power leading to the present situation of a unipolar world are included. CO.3 Understand systematic methods of identification of substance by chemical methods. CO.4 its highlight's various aspects of conflict and conflicts resolution, collective security and in the specificity of the long period of the post II nd world war phase of the cold war, of Detent and Deterrence leading to theories of rough parity in armaments.

4	Sec- Samyukta Maharashtra Movement	CO.1 This course is an introduction to the political process in Maharashtra with special reference to regionalism sub-regionalism and Sambuca Maharashtra Movement. CO.2 The aim of course is that students are expected to understand both the historical evaluation of Maharastra's politics and different analyses of politics of the state. CO.3 Its tries to acquaint students with the main issues and concerns in the public life of regional society as it shaped in the concepts of colonialism and modernity
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FYBSC PHYSICS PO ,CO &

Program Outcomes : Physics program outcomes aim to produce physics graduates with a strong foundation in physical principles, scientific inquiry, critical thinking, and problem-solving, as well as effective communication, laboratory, and research skills. The learning outcomes of the undergraduate degree course in physics are as follows: a) Role of Physics : The students will develop awareness and appreciation for the significant role played by physics in current societal and global issues. They will be able to address and contribute to such issues through the skills and knowledge acquired during the programme. They will be able identify/mobilize appropriate resources required for a project, and managing a project through to completion, while observing responsible and ethical scientific conduct, safety and laboratory hygiene regulations and practices. \

b) Physical Principles: Understand and apply fundamental physical principles to analyze and solve problems in various contexts.

c) Research Skills : The course provides an opportunity to students to hone their research and innovation skills through internship/apprenticeship/project/community-outreach/dissertation/Entrepreneurship/Academic-Project. It will enable the students to demonstrate mature skills in literature survey, information management skills, data

F.Y.B.Sc. (Physics) (Sem-I) PHY-101-T : Fundamentals of Physics-I

Course Outcomes (CO): - Upon completion of this course student will able to 1) Articulate and apply the principle of conservation of mechanical energy to solve real life problems. Show the relation between force and energy using potential-energy curves.

2) Understood the concept of center of mass and find out center of mass of systems of individual particles and of continuous distributions of matter. Apply principle of momentum conservation to systems of particles. Apply the appropriate conservation laws to analyze real world problems.

3) Calculate the rotational inertias of objects with sufficient symmetry by summing or integrating. Solve problems that involve both linear and rotational motion. Calculate rotational kinetic energy, and explain its relation to torque and work.

4) Understand relation between pressure and force; calculate pressure as a function of depth in liquids. Determine quantitatively the position of floating objects and the apparent weight of submerged objects. Use the continuity equation and Bernoulli's equation to solve problems involving fluid dynamics.

- 5) Understand basic principles in Physics.
- 6) Applications of physics principles to resolve community problems.
- 7) Develop advanced thinking in future life style.
- 8) Apply Knowledge of Physics principles in day today life

F.Y.B.Sc. (Physics) (Sem-I) PHY-102-P : General Physics Lab-I

Course Outcomes: The practical knowledge of mechanics doing experiments. They would also learn optical phenomena such as interference, diffraction and dispersion and do experiments related to optical devices: Prism, grating, spectrometers

PHY-151-T : Fundamentals of Physics-II

Course Outcomes (CO): Upon Completion of this course, the students will be able to:

- 1) Understand the basic concepts of Thermodynamics and laws of thermodynamics.
- 2) Identify the different states of system and their dependence on various thermodynamic variables.
- 3) Understand different thermodynamic processes and their applications.
- 4) Understand different heat engines and their working principles.
- 5) Learn the heat radiation mechanism and relate this course to the daily chores through some applications.
- 6) Understand concept of electricity and magnetism.

PHY-152-P : General Physics Lab-II

Course Outcomes: The practical knowledge of Thermodynamics, Electricity and magnetism doing experiments: Engine, electric vibrations. They would also learn electric phenomena such as diode, CRO and do experiments related to electric devices.



Maratha Vidyaprasarak Samaj's

Karmaveer Ganpat Dada More Arts, Commerce & Science College, Niphad

Department of Zoology

Programme Outcomes, Programme Specific Outcome, Course Outcome

Programme Outcomes: B.Sc Zoology

Department of Zoology	After successful completion student should be able to;
Programme Outcomes	1. Knowledge and skills on the topic : i. In-depth knowledge of the major concepts, theoretical principles and experimental skills of zoology and its various fields, including biodiversity, anatomy, physiology, biochemistry, bio-nanotechnology, ecology, evolutionary biology, cell biology, molecular biology, immunology, genetics, as well as some other areas of applied research such as wildlife conservation and management, beekeeping, sericulture, vermiculture, neuroscience, aquatic biology, fisheries science, animal breeding, bioinformatics and research methodology, etc. ii. Interdisciplinary knowledge of life sciences, environmental sciences, and related bio- chemical sciences. iii. Learn about the various techniques, tools, and computer software used to analyze the forms and functions of animals. 2. Skillful communication : Ability to communicate complex zoological information effectively and efficiently. 3. Critical thinking and problem-solving skills : The ability to rationally analyze and solve animal science issues without relying on hypotheses and guesswork. 4. Logical thinking and reasoning : Ability to search for solutions and solve them logically by experimenting and processing the data manually or by using softwares. 5. Team spirit and leadership qualities : Ability to identify and mobilize the resources required for the project and management of the project responsibly while adhering to ethical scientific concern and bio-safety protocols. 6. Digital efficiency : Ability to use computers and other tools for biological simulations, calculations, appropriate bio-statistical software, and research tools to locate, retrieve, and evaluate zoology-related data.

	7. Ethical awareness and reasoning : Avoid unethical behaviour such as data falsification, forgery or deception, plagiarism and value environmental and sustainability issues. 8. Lifelong learning : Capable of independent, self-directed learning with the aim of personal and social development. 9. Entrepreneurship qualities : Develop entrepreneurship qualities as this course contains almost all branches of applied zoology. One can establish a start up project by learning various courses. 10. Advanced education: Students will be able to develop their mind with some advanced and superior knowledge, research outcomes and also the new as well as easy system of education. This will make them more reliable and capable in the world to lead the nation.
Programme Specific Outcomes	PSO 1 : After completion of this course students will be able to contribute as policy makers in biodiversity conservation, animal preservation and environment protection. PSO 2 : Equip with the knowledge of animal classification and diversity, ecology and economic importance of animals. PSO 3 : Acquire the advanced concepts in insect rearing and various animal breedings for the food security of human beings. PSO 4 : Inculcate the traditional knowledge of using various animal based products in human healthcare system. PSO 5 : Adapt scientific research techniques in various applied branches of Zoology for sustainable development. PSO 6 : Perform procedures as per laboratory standards in the areas of Taxonomy, Physiology, Ecology, Cell biology, Genetics, Applied Zoology, Toxicology, Entomology, Sericulture, Biochemistry, Fish biology, Animal breeding and Clinical Pathology. PSO 7 : Zoology course also provide a knowledge of applied subjects to develop various skills to make a career and become an entrepreneur in the field of aquatic biology, sericulture, apiculture, vermiculture, prawn culture, dairy management, animal breeding and management, wildlife conservation and management, wildlife photography etc. PSO 8 : Analyze the relationships among animals, plants, and microbes. PSO 9 : Understand and analyze the ecological and evolutionary significance of different taxa of animals. PSO 10 : Analyze the mechanisms involved in life processes up to the molecular level. PSO 11 : Gains knowledge about research methodologies, effective communication and skills of problem solving methods. PSO 12 : Contributes the knowledge for Nation building.

**Course Outcomes B. Sc Zoology Sem-III &
IV**

Title of Course	Outcomes
Genetics and Medical Zoology	CO1 : Apply Mendelian genetic principles to predict outcomes of genetic crosses, interpret pedigrees and understand the basics of genetic inheritance. CO2 : Recognize and explain the inheritance patterns and molecular basis of common genetic disorders, including both Mendelian and complex traits. CO3 : Understand the concept of non - Mendelian genetics. CO4 : Concept and characteristics of multiple alleles, ABO blood group system, Inheritance of Rh antigen, Erythroblastosis foetalis and their medicolegal importance. CO5 : Understand the structure of chromosomes, chromatin and its types, giant chromosomes and chromosomal aberrations. CO6 : Successfully solve genetic problems using Punnett squares, probability calculations and pedigree analysis. CO7 : Understand basic concepts of medical zoology. CO8 : Understand different epidemic, vector borne and microbial diseases in humans. CO9 : Understand about investigations and treatments of human physiological disorders.
Practicals in Genetics and Medical Zoology	CO1 : Calculate and interpret monohybrid, dihybrid, test and back cross ratios based on hypothetical data. CO2 : Use collected data to understand the inheritance patterns of Mendelian traits. CO3 : Identify and describe the chromosomal composition of a normal human karyotype. CO4 : Perform blood typing and interpret blood group results. CO5 : Perform to understand study of facultative heterochromatin from humans. CO6 : Learn an experiment to know the structure of polytene chromosomes CO7 : Learn various vector borne as well as protozoan diseases and their control measures. CO8 : Learn scientific approach or techniques used in clinical laboratories to investigate various diseases and will be skilled to work in research laboratories. CO9 : Understand the human immune system and its response to the pathogen. CO10 : Measurements of blood pressure under normal and stressed condition.
Apiculture	CO1 : Students will know about different species of honey bees and their diseases and enemies. CO2 : Students will gain skill of rearing honey bees. CO3 : Students will be able to apply knowledge of bee economy in setting up their own

	apiary and they can be entrepreneur in this field. CO4 : Acquire knowledge about different species and casts of the honey bees. CO5 : Aware about economic importance of honey bees. CO6 : Identify role of honey bees in nature and in agricultural productivity. CO7 : Understand the basics about beekeeping tools, equipment, and managing beehives. CO8 : Acquire knowledge about distribution of species of honey bees.
Vermiculture Management	CO1 : Acquire a critical knowledge on the role of earthworms in making organic matter from biodegradable wastes. CO2 : Understand the biology of some important species of earthworms used in vermiculture. CO3 : Acquire skills in production of vermicompost. CO4 : Explain benefits and problems with vermiculture and vermicompost. CO5 : Become an entrepreneur by culturing earthworms. CO6 : Acquire a knowledge about life cycle of earthworm. CO7 : Understand economics importance of earthworm. CO8 : Identify enemies and diseases of earthworm
Cell Biology and Biomedical Techniques	CO1 : Demonstrate the knowledge of cell diversity. CO2 : Explain the cell membrane, cell – cell interactions and its dynamics. CO3 : Understand nuclear structure and cell organelles. CO4 : Explain mitochondria and its functions. CO5 : Understand cytoskeleton and its functions. CO6 : Understand safety protocols, ethical standards, professional conduct and best practices. CO7 : Know about the biomedical instruments, their functioning and principle of operation. CO8 : Apply immunological techniques for the detection of antigens, antibodies, and immune responses in disease diagnosis. CO9 : Understand and perform hematological tests and diagnose common hematological Disorders and interpret urine analysis data.
Practicals in Cell Biology and Biomedical Techniques	CO1 : Learn to visualize animal and plant cells under microscope. CO2 : Understand principles and workings of simple, compound microscopes. CO3 : Acquire the skills to accurately measure microscopic objects using micrometry. CO4 : Staining and visualization of mitochondria by Janus green stain. CO5 : Estimate Hemoglobin using Sahli's haemometer. CO6 : Perform RBC count in blood by using hemocytometer. CO7 : Perform WBC count in blood by using hemocytometer. CO8 : Study of human blood smear to observe different types of blood cells. CO9 : Study of principle & working of Spectrophotometer, PCR

	and ECG. CO10 : Work as a laboratory technician to do urine analysis - normal and abnormal
Apiculture - P	CO1 : Students will know about different species of honey bees and their diseases and enemies. CO2 : Students will gain skill of rearing honey bees. CO3 : Students will be able to apply knowledge of bee economy in setting up their own apiary and they can be entrepreneur in this field. CO4 : Acquire knowledge about different species and casts of the honey bees. CO5 : Aware about economic importance of honey bees. CO6 : Identify role of honey bees in nature and in agricultural productivity. CO7 : Understand the basics about beekeeping tools, equipment, and managing beehives.
Dairy Production & Management	CO1 : Farming aspects in livestock so as to prepare themselves for future prospectus. CO2 : Study of various diseases & disorders in livestock. CO3 : Processing of market milk in dairy plant. CO4 : Understand methods of manufacture and uses of standardized special milk. CO5 : Learn methods of manufacture and uses of special milk of plants/vegetable origin. CO6 : Understand the Milk collection, transportation, Grading, weighing and cooling of milk. CO7 : Learn sterilization processes of equipments. CO8 : Establish a farm and a processing unit.



Maratha Vidya Prasarak Samaj's

Karmaveer Ganpat Dada More Art's, Commerce and Science College, Niphad

Department of Botany

Programme Outcomes, Programme specific Outcomes and Course Outcome

Programme Outcomes: B.Sc. Botany

Department of Botany (F.Y.B.Sc)	After successful completion of the Under Graduate (UG) Degree program, the students would be able to
Programme Outcomes (POS)	PO1: Attain thoughtful proficiency in the field of plant sciences. PO2: Acquire the ability to perform in multidisciplinary domains. PO3: Attain the ability to exercise intelligence of scientific knowledge for investigation and innovation and nourishment of the world. PO4: Learn value based ethical practices and principles committed to professional ethics. PO5: Incorporate 21st century skill oriented self-directed and life-long learning. PO6: Obtain ability to inculcate the knowledge of plant science in diverse contexts with global perspective. PO7: Attain maturity to harness the destiny and responds to one's calling.
Programme specific Outcomes (PSOs)	PSO1: Recall the diversity, classification, evolution and developmental changes among the plants with reference to lower and higher plant groups and create a knowledge base in understanding the basis of plant diversity, economic values and taxonomy of plants. PSO2: Understand the advanced concepts of Genetics, Cell biology and Plant Biotechnology of plants and its implementation for the improvement of crop productivity. PSO3: Acquire and utilize the skills of post-harvest, flower design, fruit processing and dehydration techniques, organic farming and various plant processing technologies for developing the economy to the growing world. PSO4: Know about the importance of Medicinal plants and its useful parts, economically important plants in our daily life and also about the traditional medicines and herbs, and its relevance in modern times. PSO5: Inculcate the methodology followed in plant breeding, pharmacognosy, herbal drug technology, plant protection, propagation and improvement. PSO6: Adapt methods of scientific research in plant improvement program and create entrepreneurships, employment to the society. PSO7: Analyze the impact of scientific and technological advances on the environment and society and understand the importance of biodiversity conservation, green cover development, carbon sequestration and utilize the knowledge for sustainable development. PSO8: Explore the knowledge of biotic and abiotic stress tolerance, plant microbe interaction and Integrate pest management for making the revolution in the agriculture.

	PSO9: Enrich the ability of critical thinking, development of scientific attitude, handling of problems and generating solutions, improve practical skills, and enhance communication skill. PSO10: Apply the fruitful knowledge of plant sciences and plant resources for the sustainable development, betterment of society and environment by recognizing the ethical values. PSO11: Become competent enough in various analytical and 21st century technical skills related to plant sciences for their exploration. PSO12: Exhibit the potential to effectively accomplish tasks independently and as a member or leader in diverse teams, and in multidisciplinary settings. PSO13: Employ critical thinking based problem solving and practical skills pertaining to botanical techniques and computational knowledge and apply strategies for environmental conservation. PSO14: Demonstrate knowledge and scientific understanding to identify research problems, design experiments, use appropriate methodologies, analyse and interpret data and provide solutions. Exhibit organizational skills and the ability to manage time and resources.
Course Outcomes:	Course Code- BOT-101-T Course Title: Basics of Plant Sciences 1. By the end of the course, students will be able to understand and classify plants into major groups (algae, fungi, lichens, bryophytes, Pteridophytes, gymnosperms, and angiosperms) based on their morphological and reproductive features. 2. Students will be able to identify and explain the economic significance of various plant groups, recognizing their applications in industries such as food, pharmaceuticals, biofuels, textiles, and environmental sustainability. 3. Students will gain the ability to describe the reproductive cycles and morphological characteristics of plants like algae, fungi, lichens, bryophytes, and others, with examples from groups such as Nostoc, Agaricus, Riccia, Azolla, Cycas, and others. 4. Students will understand the various applications of plant sciences in real-world scenarios such as environmental monitoring, bioremediation, medicine, and industrial processes like biofuel production, food processing, and landscaping. 5. By the conclusion of the course, students will be well-equipped to pursue careers or further education in fields related to plant biology, biotechnology, agriculture, environmental science, and various industries benefiting from plant-derived products and services.
	Course Code- BOT-102-P Course Title: Practical Based on BOT-101-T

	1. Students will gain a strong foundation in plant and fungal taxonomy, being able to classify and describe various organisms, including algae, fungi, lichens, bryophytes, Pteridophytes, gymnosperms, and angiosperms. 2. Students will be able to apply their knowledge of plant and fungal morphology to practical situations, including the identification of species and the exploration of their applications in industries like food, pharmaceuticals, and bioremediation. 3. Students will develop an understanding of the environmental and economic significance of different plant and fungal groups, recognizing their role in sustainability, bioremediation, agriculture, and carbon sequestration. 4. Students will gain hands-on experience in plant diversity and field research methods through visits to natural ecosystems, fostering observational skills and a deeper connection to the natural world. 5. Students will be able to describe and analyze the applications of plants and fungi in various industries, such as food processing, cosmetic manufacturing, environmental monitoring, and biofuel production, preparing them for careers in applied biology and biotechnology
	Course Code – OE-102-BOT-T Course Title: Plants and Human Welfare 1. Develop a comprehensive understanding of the diversity of plant species and their utility in various aspects of human life, including food, medicine, shelter, and clothing. 2. Gain knowledge about medicinal plants, their active compounds, and their therapeutic uses in traditional and modern medicine. 3. Acquire awareness of sustainable practices in plant resource management, including conservation, cultivation, and utilization, to ensure long-term benefits for both humans and the environment. 4. Appreciate the significance of traditional knowledge systems related to plants and their role in preserving cultural heritage and biodiversity. 5. Develop critical thinking and problem-solving skills to evaluate the ethical, social, and environmental implications of plant use and propose sustainable solutions.
	Course Code – SEC-101-BOT-P Course Title: Flower Design Techniques 1. Develop proficiency in creating various basic floral arrangements, including hand tied bouquets, vase arrangements, and table centrepieces, using proper techniques and principles of design.

	2. Acquire advanced skills in creating complex floral designs, such as cascading bouquets, floral arches, and large-scale installations, demonstrating creativity and attention to detail. 3. Gain knowledge of different floral design styles, such as traditional, contemporary, and seasonal, and stay updated with current trends in the floral industry. 4. Understand the principles of flower selection, care, and handling, including proper conditioning, storage, and use of floral foam and other design tools. 5. Develop the ability to create customized floral designs tailored to specific occasions, themes, and client preferences, demonstrating creativity and versatility in design. Course Code - BOT-151-T Course Title: Plant Morphology 1. Students will be able to identify, describe, and differentiate between the various types of plant organs (roots, stems, leaves, flowers) and their modifications, based on morphological traits. 2. Students will develop the ability to analyze how specific morphological features of plants such as modified roots, stems, and leaves serve particular ecological functions, enhancing their survival in various habitats. 3. Students will be able to explain the morphology of flowers and inflorescences, including the different types and structures of floral whorls and their roles in the plant's reproductive process. 4. Students will gain a comprehensive understanding of the morphology of fruits and seeds, enabling them to distinguish between different types and understand their role in seed dispersal and plant reproduction. 5. By the end of the course, students will have the skills to examine plant specimens in the field and laboratory, classifying them based on morphological features and demonstrating an understanding of plant function and evolution.
	Course Code - BOT-152-P Course Title: Practical Based on BOT 151-BOT-T 1. Upon completion, students will be able to identify and describe various types and modifications of plant organs (roots, stems, leaves, flowers, fruits) using real-life examples from their practical sessions. 2. Students will gain an understanding of the functional significance of morphological modifications, such as modified roots, stems, and leaves, and will be able to connect these adaptations with the plant's ecological role. 3. Students will be able to analyze and identify the structure and types of floral whorls (calyx, corolla, androecium, and gynoecium) and the types of fruits based on their morphological

	characteristics, enhancing their understanding of reproductive biology. 4. Students will acquire the skills to classify and document plant species based on their morphological features and will be able to distinguish between different types of plants based on their root, stem, leaf, flower, and fruit structures. 5. After the botanical excursion, students will be able to recognize and document angiosperms in their local environment, applying theoretical knowledge to real world observations and enhancing their understanding of plant diversity and ecological relationships. Course Code – OE-151-BOT-P Course Title: Fruit Processing and Flower Arrangement 1. Students will demonstrate the ability to perform various fruit processing techniques, such as canning, drying, freezing, and making jams, jellies, and preserves, ensuring the preservation of nutritional value, flavour, and texture of fruits. 2. Students will understand the chemical and biological processes involved in fruit spoilage and the methods used to prevent it. They will be able to apply different preservatives, packaging techniques, and storage conditions to enhance the shelf life and safety of processed fruits. 3. Students will be skilled in designing and creating various types of flower arrangements. They will apply principles of floral design and the use of different floral materials and tools. 4. Students will be able to express their creativity through innovative and aesthetically pleasing flower arrangements. 5. Students will bridge the gap between theoretical knowledge and practical applications by gaining exposure to the fruit processing industry and the floral design market.
	Course Code – SEC-153-BOT-P Course Title: Plant Propagation Techniques 1. Students will gain hands-on experience and proficiency in the use and maintenance of various tools and equipment used in plant propagation, enabling effective and efficient handling of nursery operations. 2. Students will be able to operate and manage different types of controlled environments for plant propagation. 3. Students will develop skills in identifying, categorizing, and cultivating different types of ornamental plants for enhancing their ability to design and maintain aesthetic garden spaces. 4. Students will acquire the ability to prepare nursery beds, select appropriate planting materials and containers, and effectively raise seedlings, applying their knowledge to the establishment and management of a successful nursery.

	5. Students will master both natural and artificial vegetative propagation methods with diverse methods to propagate various plant species. 6. Students will demonstrate knowledge and practical skills in different types of irrigation systems, fertilizer applications, and weed control strategies, contributing to sustainable nursery and garden management. 7. Students will learn and apply advanced horticultural practices using modern tools and techniques, showcasing their capability in specialized gardening methods.
(S.Y.B.Sc) Programme Outcomes (POS)	PO1: Attain thoughtful proficiency in the field of plant sciences. PO2: Acquire the ability to perform in multidisciplinary domains. PO3: Attain the ability to exercise intelligence of scientific knowledge for investigation and innovation and nourishment of the world. PO4: Learn value based ethical practices and principles committed to professional ethics. PO5: Incorporate 21st century skill oriented self-directed and life-long learning. PO6: Obtain ability to inculcate the knowledge of plant science in diverse contexts with global perspective. PO7: Attain maturity to harness the destiny and responds to one's calling.
Program Specific Outcomes (PSOS)	PSO1: Recall the diversity, classification, evolution and developmental changes among the plants with reference to lower and higher plant groups and create a knowledge base in understanding the basis of plant diversity, economic values and taxonomy of plants. PSO2: Understand the advanced concepts of Genetics, Cell biology and Plant Biotechnology of plants and its implementation for the improvement of crop productivity. PSO3: Acquire and utilize the skills of post-harvest, flower design, fruit processing and dehydration techniques, organic farming and various plant processing technologies for developing the economy to the growing world. PSO4: Know about the importance of Medicinal plants and its useful parts, economically important plants in our daily life and also about the traditional medicines and herbs, and its relevance in modern times. PSO5: Inculcate the methodology followed in plant breeding, pharmacognosy, herbal drug technology, plant protection, propagation and improvement. PSO6: Adapt methods of scientific research in plant improvement program and create entrepreneurships, employment to the society. PSO7: Analyze the impact of scientific and technological advances on the environment and society and understand the importance of biodiversity conservation, green cover

	development, carbon sequestration and utilize the knowledge for sustainable development. PSO8: Explore the knowledge of biotic and abiotic stress tolerance, plant microbe interaction and Integrate pest management for making the revolution in the agriculture. PSO9: Enrich the ability of critical thinking, development of scientific attitude, handling of problems and generating solutions, improve practical skills, and enhance communication skill. PSO10: Apply the fruitful knowledge of plant sciences and plant resources for the sustainable development, betterment of society and environment by recognizing the ethical values. PSO11: Become competent enough in various analytical and 21st century technical skills related to plant sciences for their exploration. PSO12: Exhibit the potential to effectively accomplish tasks independently and as a member or leader in diverse teams, and in multidisciplinary settings. PSO13: Employ critical thinking based problem solving and practical skills pertaining to botanical techniques and computational knowledge and apply strategies for environmental conservation. PSO14: Demonstrate knowledge and scientific understanding to identify research problems, design experiments, use appropriate methodologies, analyze and interpret data and provide solutions. Exhibit organizational skills and the ability to manage time and resources.
Course Outcomes(CO)	Course Code – BOT-201-MJ Course Title: Taxonomy of Angiosperms CO 1: Students will be able to identify and classify the plants. CO 2: Students will learn about the systems of classifications CO 3: Students will know the contributions made by taxonomists. CO 4: Students will understand various aspects of Plant Nomenclature. CO 5: Students will be able to classify the plants based on external morphology. CO 6: Students will understand the importance of botanical gardens and conservation.
	Course Code – BOT-202-MJ Course Title: Plant Physiology and Metabolism CO 1: Explain fundamental principles and scope of plant physiology. CO 2: Describe water and mineral nutrient dynamics in plant systems. CO 3: Illustrate mechanisms of water absorption, ascent of sap, and transpiration. CO 4: Analyze the roles of plant growth regulators in growth and development. CO 5: Interpret processes like nitrogen fixation, photoperiodism and vernalization.

	Course Category – Major Core Course (MJ) Course Code – BOT-203-MJP Course Title: Practical Based on BOT-201-MJ and BOT-202-MJ CO 1: Students will be able to use taxonomic keys and tools to describe and identify angiospermic plant specimens. CO 2: Students will gain practical knowledge of dissecting flowers and preparing floral diagrams and floral formulae of selected families. CO 3: Students will demonstrate competence in solution preparation and understanding of plant-soil interactions (pH, WHC). CO 4: Students will understand physiological concepts like osmosis, plasmolysis, DPD, and transpiration through experimental setups. CO 5: Students will analyze the effects of plant growth regulators like auxins and gibberellins on plant growth and development. CO 6: Students will be capable of preparing a scientific botanical excursion report and identifying wild flora through field visits.
	Course Code – BOT-241-MN Course Title: Horticulture CO1: Explain the basic principles, branches, and scope of horticulture. CO2: Identify horticultural crops based on morphological parts and their economic significance. CO3: Demonstrate understanding of various propagation methods and the role of plant growth regulators and propagation structures. CO4: Apply special horticultural practices to enhance growth and productivity in selected crops. CO5: Describe the commercial cultivation techniques and value addition processes of selected horticultural crops. CO6: Design basic landscape gardens and explain the significance of governmental support in horticulture development.
	Course Code – BOT-244-MNP Course Title: Practical based on BOT-241-MN CO1: Identify and describe the morphology of various plant parts of horticultural importance (root, stem, leaf, flower, fruit, seed). CO2: Efficiently handle and utilize horticultural tools and perform key horticultural practices such as pruning, earthing up, and staking. CO3: Apply vegetative propagation techniques (cutting, layering, grafting, budding) for plant multiplication in both ornamental and fruit plants. CO4: Prepare and present value-added horticultural products and ornamental structures like gulkand, rose water, moss sticks, bonsai, and terrariums. CO5: Demonstrate knowledge of horticultural industries through field visits and compile structured reports based on nursery, orchard, or floriculture market observations.

	Course Code – OE-202-BOT-T Course Title: Medicinal Botany CO1: Students will acquire theoretical and scientific knowledge about the definition, historical background, classification of medicinal plants, and the chemical constituents involved in drug formulation. CO2: Students will understand the philosophy, uses of medicinal plants, and comparative aspects of traditional Indian medicinal systems such as Ayurveda, Unani, Siddha, Naturopathy, and Homeopathy. CO3: Students will learn the methods of preparing household Ayurvedic products (such as hair oil, Triphala powder, face pack, shampoo, etc.) and will be able to use them safely. CO4: Students will gain knowledge about the organic cultivation of medicinal plants, biological protection, and conservation techniques (In-situ and Ex-situ), and will develop awareness about the conservation of local biodiversity. CO5: Students will explore the commercial potential of medicinal plants, local and global markets, startup opportunities, and government schemes, thus paving the way toward entrepreneurship. Course Code - VSC-224-BOT-P Course Title: Plant Ecology and Biodiversity CO1: Demonstrate skills in using ecological instruments and field sampling techniques. CO2: Quantify plant community characteristics and interpret species-area relationships. CO3: Analyze physico-chemical properties of soil and water in different habitats. CO4: Assess primary productivity and biomass in terrestrial ecosystems. CO5: Evaluate environmental health using BOD, COD, Palmer's Index, and biodiversity indices. CO6: Prepare scientific reports based on ecological field visits and environmental monitoring.
	Course Code – IKS-BOT- T Course Title: Medicinal Plants in Traditional Systems of Medicine CO1: Students will achieve a clear understanding of the foundational principles and core concepts of Indian medical traditions, especially Ayurveda. CO2: They will be able to analyze the historical development, philosophical underpinnings, and scientific basis of Ayurveda and related Indian Knowledge Systems (IKS). CO3: They will be able to interpret the holistic framework of Indian health sciences, emphasizing the interconnectedness of body, mind, spirit, and environment.

	CO4: They will be able to critically evaluate the applicability and relevance of IKS-based health practices in addressing contemporary health and wellness challenges.
	Course Code – FP-231-BOT Course Title: Field Project 1. Apply botanical knowledge to real-world problems, including conservation, agriculture, and environmental sustainability. 2. Develop skills in scientific inquiry, including observation, experimentation, and data analysis.



Maratha Vidya Prasarak Samaj's, Nashik

Karmveer Ganpat Dada More Arts, Commerce and Science College, Niphad

Department of Commerce
Program Outcomes (PO) (UG-B.Com.)

After completion the B.Com. degree the Program Outcomes will be as under:

1. Accounting Proficiency: a) Graduates will demonstrate a fundamental understanding of financial, cost, and management accounting principles and practices. b) They will have the ability to prepare and interpret financial and cost statements accurately. c) Graduates can apply accounting concepts to record business transactions and analyze financial data effectively

2. Mathematical and Statistical Analysis: a) Graduates will acquire proficiency in mathematical and statistical concepts and techniques relevant to business applications. b) They can solve mathematical problems related to commerce and economics, applying quantitative methods for business decisions. c) They will develop skills in collecting, analyzing, and interpreting data, using statistical software and tools for solving business problems.

3. Technology and Computerized Accounting: a) Graduates will master the use of accounting software for efficient and accurate financial data management. b) They can create, manage, and analyze financial records using computerized accounting systems. c) They understand the importance of data security and integrity in computerized accounting.

4. Communication Skills: a) Graduates will develop effective communication skills for various business contexts, including written and oral communication. b) They will be able to present ideas and information clearly and professionally. c) Graduates can resolve conflicts through effective communication and understand the importance of cultural sensitivity in business communication.

5. Language Proficiency: a) Graduates will enhance English language proficiency for academic and professional purposes, including reading, writing, and speaking. b) They can communicate fluently and accurately in written and spoken English. c) Graduates will apply English language skills effectively in business and academic contexts, using standard grammar and vocabulary.

6. Environmental Awareness: a) Graduates will understand environmental issues and their impact on business and society. b) They can analyze environmental factors affecting business decisions and sustainability. c) They will be able make decisions related to environmental responsibility in business.

7. Specialized Accounting Knowledge: a) Graduates will develop a solid foundation in cost and management accounting principles. b) They can calculate and analyze various costs involved in business operations and apply cost accounting techniques. c) Graduates will gain expertise in advanced cost and management accounting for strategic decision-making.

8. Financial Reporting and Analysis: a) Graduates will gain an advanced understanding of financial accounting principles, standards, and regulations. b) They will be able to analyze complex financial transactions, prepare financial statements, and interpret them for stakeholders and investors.

c) Graduates will apply accounting standards and principles for financial reporting in various business contexts.

9. Economic Analysis and Decision-Making: a) Graduates will understand economic principles and their application in business. b) They can analyze economic factors affecting business decisions and evaluate economic policies' impact on the business environment. c) Graduates will be able to apply economic principles for business strategy and development.

10. International Accounting and Taxation: a) Graduates will have an understanding of international accounting standards and their application. b) They can navigate complex tax laws and regulations effectively for businesses and individuals. c) Graduates will provide specialized tax advice for international and cross-border transactions.

11. Management Accounting and Strategic Decision-Making: a) Graduates will apply advanced management accounting techniques for strategic decision making. b) They can analyze cost and performance data to optimize organizational efficiency and develop budgets and forecasts to support organizational goals. c) Graduates will implement management accounting practices to enhance organizational competitiveness.

12. Ethics and Professionalism: a) Graduates will demonstrate ethical conduct in accounting and business practices, adhering to professional standards and regulations. b) They will prioritize accuracy, integrity, and confidentiality in financial reporting and data management. c) Graduates will communicate ethical principles in business relationships and decision making.



Maratha Vidya Prasarak Semaj's, Nashik

Karmveer Ganpat Dada More Arts, Commerce and Science College, Niphad

Department of Commerce

Program Outcomes (PO) (PG-M. Com.)

After completion the M.Com. Degree the Program Outcomes will be as under:

The students will be able to-

1. Demonstrate an understanding of advanced commercial and business methods and processes, enabling learners to tackle and overcome challenges in the corporate world effectively.
2. Exhibit independent and logical thinking skills, leading to enhanced personality development and the ability to approach complex business situations with a critical mindset.
3. Recognize the significance of research in the business domain and apply research Methodologies to address industry-specific problems and opportunities.
4. Acquire proficiency in various methods of data collection and interpretation, enabling Learners to make informed decisions based on data-driven insights.
5. Enhance communication and analytical skills, fostering effective collaboration and problem-Solving in professional settings.
6. Develop industry-ready competencies, preparing learners to thrive in the dynamic corporate

Environment.

7. Acquire essential knowledge to provide new insights and contribute to the promotion of a better work culture within corporate organizations.

8. Embrace and uphold correct values through capacity building and on-the-job training, Reflecting Ethical conduct and responsible business practices throughout their care



Maratha Vidya Prasarak Samaj's, Nashik

Karmveer Ganpat Dada More Arts, Commerce and Science College, Niphad

Department of Commerce

Course Outcomes

The following are the course Outcomes of B.com & M. Com. degree

After completion the course of B. Com. & M. Com., the students will able:

Sr. No.	Program Name	Name of the course	Course outcome
1	B. Com. F.Y.B.Com. (Sem.-I)	1.Financial Accounting-I	1) To understand the concepts of the Financial Accounting. 2) To apply the knowledge of Partnership Accounts, AS, In AS, Lease, Hire Purchase and Royalty for accounting. 3) To analyses the effects of accounting treatments of Partnership Accounts, AS, Ind AS, Lease, Hire Purchase and Royalty. 4) To evaluate the impact of accounting treatments of Partnership Accounts, AS, Lease, Hire Purchase and Royalty on financial aspects. 5) To create an independent accounting of the financial transactions pertaining to Partnership Accounts, AS, Ind AS, Lease, Hire Purchase and Royalty. 6) To remember the accounting treatment of Partnership Accounts, AS, Ind AS, Lease, Hire Purchase and Royalty.
		2.Modern Office Management-I	1. To understand the concepts of modern automated offices.

			2. To learn the conceptions of office work low and importance of office layout. 3. To grasp the knowledge of modern technology used in offices. 4. To understand the need and utility of standard office procedures. 5. To understand office manuals and its importance. Need and requirements of standard operating procedures will be understood by students.
		3.Fundamentals of Marketing-I	1. To implement this knowledge in practicality by enhancing their skills in the concepts of 'Marketing Mix' and Market segmentation. 2. To get the knowledge of Salesmanship and various approaches. 3. To get the knowledge about Recent Trends in marketing area.

		4. Basics of Cost & Management Accounting and Material Accounting-I	1. To remember the basic concepts related to Cost and Management Accounting. 2. To understand the application of cost concepts and relevant cost accounting standards on material. 3. To apply the basis of classification of cost in preparation of Cost Sheet, Estimated Cost Sheet, Tender and Quotation. 4. To analyze the cost performance of a business entity with the help of Cost Sheet and material issuing prices. 5. To evaluate the performance with the help of Price List, Estimates, Tenders and Quotations as well as Landed Cost.
		5.Business Accounting-I	1. To understand the accounting principles, concepts, conventions, and partnership accounts. 2. To apply accounting principles, concepts, conventions, and partnership accounts for accounting treatment. 3. To analyses the effects of accounting treatments. 4. To evaluate the impact of accounting treatments. 5. To create an independent accounting of the financial transactions. 6. To remember the accounting principles, concepts, conventions, and partnership accounts.
	F.Y.B.Com. (Sem.-II)	1.Financial Accounting-II	1) To understand the concepts and terms of Accounting Standards, Ind AS, and Concepts of Insurance, Goodwill, and Investment. 2) To apply accounting treatment for calculation of Insurance Claims, Valuation of Goodwill, and Investment. 3) To analyze the effects of accounting treatments on calculation of Insurance Claims, Valuation of Goodwill, and Investment. 4) To evaluate the impact of Accounting Standards, Ind AS, Insurance, Goodwill, and Investment on financial information.

			5) To create an independent accounting of the financial transactions. 6) To remember the accounting treatment of Accounting Standards, In AS, Insurance, Goodwill, and Investment.
		2. Inventory, Labour and Overhead Accounting - II	1. To understand the different methods of inventory control 2. To calculate EOQ, stock levels and inventory ratio 3. To understand the concept of payroll 4. To develop skills of calculation of labor turnover 5. To understand concept of overhead as it contributes to total cost of product or service. 6. To develop understanding how overhead influences the cost structure of cost.
		3. Principles and Functions of Management - II	1. To understand the importance of management and its evolution process in detail. 2. To learn various functions of management and their applicability. 3. Students will have strong foundation in understanding management at work. 4. They will able to understand various tools and techniques used to perform managerial jobs. 5. Students will analysis the importance of motivation and team work.
		4. Fundamentals of Marketing -II	1. To provide an introduction to marketing and the selling process. 2. To offer foundational knowledge on market segmentation and the marketing mix. 3. To build connections between commerce, business, and marketing principles. 4. To equip students with practical skills for applying marketing knowledge effectively in real world scenarios.
		5. Constitutional Values, Fundamental Duties and Political System in India II	1. To understand the process of making of Constitution and its features. 2. To appreciate the Constitutional values and understand the importance of fundamental duties enshrined in the Constitution of India 3. To understand the dynamics of the political System in India, recent trends, challenges and cleavages of the Indian political system so as to get inspiration to cherish the values embedded in the Constitution
2.	S.Y. B com. (Sem. -III)	1. Business Communication-I	1. To understand the concept, process and importance of communication. 2. To acquire and develop good communication skills requisite for business correspondence. 3. To develop awareness regarding new trends in business communication. 4. To provide knowledge of various media of communication.

			5. To develop business communication skills through the application and exercises
		2. Corporate Accounting -I	1. To acquaint the student with knowledge about various Concepts, Objectives and applicability of some important accounting standards associated with to corporate accounting. 2. To develop understanding among the students on the difference between commencement and incorporation of a company and the accounting treatment for transactions during the two phases. 3. To update the students with knowledge for preparation of final accounts of a company as per Schedule III of the Companies Act 2013 4. To empower to students with skills to interpret the financial statements in simple and summarized manner for effective decision-making process. 5. To acquaint the student with knowledge about various Concepts, Objectives and applicability of some important accounting standards associated with to corporate accounting. 6. To develop understanding among the students on the difference between commencement and incorporation of a company and the accounting treatment for transactions during the two phases. 7. To update the students with knowledge for preparation of final accounts of a company as per Schedule III of the Companies Act 2013 8. To empower to students with skills to interpret the financial statements in simple and summarized manner for effective decision-making process.
		3. Business Management -I	1. To provide basic knowledge and understanding about various concepts of Business Management. 2. To help the students to develop cognizance of the importance of management principles. 3. To provide an understanding about various functions of management. 4. To provide them tools and techniques to be used in the performance of the managerial job.
		4. Elements of Company Law	1. To develop general awareness of Elements of Company Law among the students. 2. To understand the Companies Act 2013 and its provisions. 3. To have a comprehensive understanding about the existing law on formation of new company in India. 4. To create awareness among the students about legal environment relating to the company law. 5. To acquaint the students on e-commerce, E governance and e-filing mechanism relating to Companies. 6. To enhance capacity of learners to seek the career opportunity in corporate sector.
		5. Business Administration	1. To provide basic knowledge about various forms of business organizations

			2. To acquaint the students about business environment and its implications thereon. 3. To make them aware about the recent trends in business.
		6. Cost and Works Accounting-I (Basic of Cost Accounting)	1. To prepare learners to know and understand the basic concepts of cost. 2. To understand the elements of cost. 3. To enable students to prepare a cost sheet. 4. To facilitate the learners to understand, develop and apply the techniques of inventory control.
	S.Y.B. Com. (Sem.- IV)	1. Business Communication-II	1. To understand the concept, process and importance of communication. 2. To acquire and develop good communication skills requisite for business correspondence. 3. To develop awareness regarding new trends in business communication. 4. To provide knowledge of various media of communication. 5. To develop business communication skills through the application and exercises.
		2. Corporate Accounting -II	1. To acquaint the student with knowledge of corporate policies of investment for expansion and growth through purchase of stake in or absorption of smaller units. 2. To develop the knowledge among the student about consolidation of financial statement with the process of holding. 3. To update the students with knowledge of the process of liquidation of a company 4. To introduce the students with the recent trends in the field of accountancy
		3. Business Management -II	1. Skills regarding how to motivate staff and other members of the team. 2. Skills regarding retaining motivational level 3. Understanding followers and their views on various organizational matters. 4. Conflict Management Skills to establish coordination between departments. 5. Significance of Disaster Management 6. Importance and implementation of CSR 7. Importance of Corporate Citizenship
		4. Elements of Co. Law- II	1. To develop general awareness among the students about management of company 2. To have a comprehensive understanding about Key managerial Personnel of company and their role in Company administration. 3. To acquaint the students about E Governance and E Filing under the Companies Act, 2013. 4. To equip the students about the various meetings of Companies and their importance. 5. To make students capable of becoming good human resource of the corporate sector.

		5.Business Administration-II	1.To develop a better understanding of the legal compliances in business 2. To understand the term productivity and its importance in business administration 3. To develop an understanding of the various forms of lassoing required in business administration 4. Getting acquainted with the growth strategies of business
		6.Cost and Works Accounting –II (Basics of Cost Accounting-II)	1. To understand different pricing methods used for issuing the material. 2. To gain knowledge about the documents used in store departments. 3. To Understand the difference between salary and wages. To know the methods of time keeping and time booking. 4. To enable the student to calculate wages and incentives. 5.To understand meaning and components of payroll 6.To understand the Labour turnover, job analysis and evaluation 7. To understand the concept of direct cost and recent trends in cost and management accounting.
3.	T.Y. B com. (Sem.- V)	1.Advanced Accounting– I	1. To acquaint the student with knowledge about various concepts, objectives, and applicability of some important accounting standards. 2. To develop the knowledge among the students about reorganization of business regarding restructuring the capital. 3. To update the students with knowledge for preparation of final accounts of a Banking Companies with the provisions of Banking Regulation Act 1949. 4. To empower to students with skills to prepare the investment account in simple and summarized manner. 5. To instill the knowledge about accounting procedures, methods and techniques 6. To impart students’ knowledge of various Advanced Accounting Concepts.
		2.Business Regulatory Framework	1. To provide conceptual knowledge about the framework of business Law in India. 2. To orient the students about the legal aspect of business. 3. To create awareness among the students about legal environment relating to the Contract Law, Partnership Act, Sale of Goods Act in India. 4. To understand the emerging issues relating to e-commerce, e-transaction issues and E Contracts
		3.Business Administration-II	1. To acquaint the student with knowledge about various Concepts, Objectives of the Human

		(Human Resource Management)	Resource Function, to identify the difference between Human Resource Management and Human Resource Development 2. To update the students on the emerging trends in the area of Human Resource Management 3. To develop understanding among the students the process of Recruitment and Selection, understanding the various means and methods associated with the Recruitment and Selection function 4. To educate the students on the importance of Training and Development and its impact on Career Planning and Development 5. To acquaint the students on the concept of Performance Appraisal the process for effective Performance appraisal and imbibe the values of Ethical Performance appraisal among the students
		4.Business Administration – III (Finance)	1. To acquaint the student with knowledge about Corporate Finance and the structure if the Indian Financial Market 2. To develop the Financial Planning Skills among the Students by introducing them to the process of efficient Financial Planning 3. To educate the students on the importance of Capitalization and the importance to maintaining an optimum capital structure 4. To create awareness among the students in the various sources of Finance available for raising corporate capital
		5. Cost and Works Accounting-II (Overhead and Accounting for Overheads)	1. To provide knowledge about the concepts and principles of overheads. 2. To Introduce the cost accounting standards and the cost accounting standard board. 3. To understand the stages involved in the accounting of overheads. 4. To build an ability towards strategic overhead accounting under Activity Based Costing
		6. Cost and Works Accounting-III (Techniques of Cost Accounting)	1. To prepare learners to understand the basic techniques in Cost Accounting. 2. To understand the learner, application of Cost Accounting techniques in cost control and decision making. 3. To enable the learners to prepare various types of Budgets. 4. To learn the basic concept of Uniform Costing and Inter-firm comparison 5. To enhance the knowledge of students about MIS and Supply Chain Management.
		7.Auditing	1. To acquaint themselves about the Definition, Nature, Objectives and Advantages of Auditing, Types of Audit, Errors and Fraud, Audit Program, Notebook, Working Paper, Internal Control, Check.

			2. To get knowledge about concept of Checking, Vouching, Verification and Valuation, Types of Audit Report and Auditing Assurance Standard. 3. To understand the provision related Qualification, Disqualification, Appointment, Removal, Rights ,Duties and Liability of Company Auditor and Provisions regarding Tax Audit as per Income Tax Act 1961 (Section 44 AA to 44AE). 4. To know the various new concepts in computerized system and Forensic Audit.
	T.Y. B com. (Sem.- VI)	1.Advanced Accounting-II	1. To acquaint the student with knowledge about the legal provisions regarding preparation and presentation of final accounts of Co-operative Societies. 2. To empower to students about the branch accounting in simple. 3. To make aware the students about the conceptual aspects of various recent trends in the field of accounting especially forensic accounting, accounting of CSR activities, accounting of derivative contracts and Artificial Intelligence in Accounting. 4. To understand the procedure and methods of analysis of financial statements. 5. To impart students' knowledge of various Advanced Accounting Concepts.
		2.Business Regulatory Framework-II	1. To develop general awareness of Business Law among the students. 2. To understand the various statutes containing regulatory mechanism of business and its relevant provisions including different types of partnerships. 3. To have a understanding about the landmark cases/decisions having impact on business laws 4. To create awareness among the students about legal environment relating to the business activities and new ways dispute resolutions provided under Arbitration Act. 5. To acquaint the students on relevant developments in business laws to keep them updated. 6. To enhance capacity of learners to seek the career opportunity in corporate sector and as a business person.
		3.Business Administration – II (Marketing)	1. To acquaint the student with knowledge about Marketing, Marketing Concepts identification on various types of markets. 2. To develop understanding among the students on the various elements of Marketing Mix and Market Segmentation 3. To update the students with knowledge on varied dimensions of Product Management, Branding and Pricing Management 4. To update the students with the knowledge on various aspects of Promotion and Distribution and

			to update them on the recent trends in the field of Marketing.
		4.Business Administration-III (Production and Operations Management)	1. To acquaint the student with knowledge of Production Management and Production Functions 2. To equip the students with knowledge for efficient Inventory Management and the recent development in the area Inventory Management 3. To introduce the students to the concept of Quality Management and to motivate to adopt quality management even in the regular lifestyle 4. To update the students with the knowledge of Logistics Management
		5. Cost and Works Accounting II (Methods of Costing)	1. To provide knowledge about the various methods of costing. 2. To understand the applications of different methods of costing in manufacturing and service industries. 3. To enable students to prepare cost statements under different types of manufacturing industries and Service Industries 4. To build the applicability of cost accounting standards in the method of costing.
		6. Cost and Works Accounting III (Techniques of Cost Accounting and Cost Audit)	1. To impart knowledge about Standard Costing and Variance Analysis 2. To learn about pricing policy and its implementation. 3. To know the related Cost Accounting Standards and Cost Management practices in specific sectors 4. To provide a conceptual understanding of procedures and Provisions of Cost Audit.
		7. Auditing & Taxation - II	1. To understand the basic concepts of Income Tax Act, 1961 and create awareness of direct taxation among the students. 2. To understand the income tax rules and regulations and its provisions. 3. To have a comprehensive knowledge of calculation various types of income. 4. To know the recent changes made by the finance bill (Act) every year and its impact on taxation of person. 5. To acquaint the students on Income tax department portal (ITD), e-filing and e-services mechanism relating to Assesse.
4	M.Com. M.Com I (Sem. I)	1.Management Accounting	1) Students will understand importance of management accounting and functions of Management Accounting. 2) Students will understand various decision-making techniques of marginal costing and its application in modern business. 3) Product Pricing decision-making capacity of the students will be developed. 4) Learners can prepare various budgets independently

		2.Industrial Economics	1. Learners will be acquainted with the concepts of industrial economics 2. The learners will get exposed to recent changes in industrial finance, measures to correct industrial imbalance etc. 3. The students will identify the location of industries and the concepts associated therewith 4. The learners will be aware of the industrial profile of Maharashtra 5. The students will develop an ability to apply and interpret the concepts of industrial economics
		3.Research Methodology	1. Students will understand research process and can explore various ethical issues and modern practices in research. 2. Students will gain fundamental knowledge about Methods of Data Collection and formulating questionnaire. They will understand the process of Analysis and Interpretation of data. 3. Students will grasp knowledge on developing the most appropriate methodology for their research studies 4. Students will develop knowledge on how to write a research report by using different research methods and techniques.
		4.Advanced Cost Accounting	1. Students will understand objectives of Cost Accounting along with relationship of Cost Accounting with Financial Accounting and Management Accounting 2. Students will be able to understand preface and objectives of Cost Accounting Standards. 3. Students will be able to learn Cost Accounting treatment to Material Cost, Employee Cost and Overheads as per as per Cost Accounting Standards. 4. Students will understand non-integrated accounting system which includes preparation of journal entries, ledgers, treatment for specific items mentioned in the syllabus.
		5.Production & Operation Management	1. Students will be able to define the main goals, duties, and review of production and operation management and understand the significance of successful POM in achieving operational effectiveness and competitiveness. 2. Students will thoroughly understand production systems, which will serve as a strong basis for their further exploration of production and operation management principles and practices. 3. Students will learn about various operations management strategies and tactics, including inventory control and lean operations management. Additionally, they will learn about current trends and advancements in the industry as well as the difficulties faced in operations management.

			4. Students will have a strong foundation in supply chain management principles, enabling them to apply them and optimize the movement of products and information across the supply chain to increase operational effectiveness and customer satisfaction.
		6.E-Commerce	1. Students will understand the Role of E-Commerce Industry and the utility of E-Commerce models. 2. Students will gain insight knowledge for E-Payment systems. How technology plays a vital role in the E-commerce sector will be learnt by them. 3. Students will be able to understand the recent e-marketing tools and their utility. How search engine operation help to search data will be learnt by them. 4. Functioning of Digital economy will be understood. Students will gain knowledge about various cyber threats and understand the importance of IT Act and Cyber security.
		7.Costs for Decision Making and Activity Based Costing	1. Students will get acquainted and equipped with the knowledge and understanding of meaning and application of 'Relevant and Irrelevant costs' in different types of decision making such as Make or Buy decision, Accepting or Rejecting an Order, Extra Shift Decision, choosing best budget using only one limiting factor and adding or deleting departments or products etc. 2. Students will be able to understand meaning and application of Activity Based Costing and its important concepts such as Cost Object, Cost Drivers along with stages involved in Activity Based Costing.
		8.Financial Management	1. Students will understand the Financial System of India and its role and importance in financial management. 2. Students will understand the concepts of financing and will gain knowledge on Financial Statement Analysis. 3. Students will understand how to make Investment Decisions and the importance of Capital budgeting techniques. 4. Students will have a strong foundation in understanding the meaning and nature of Working Capital management and to formulate Credit and Collection policy. 5. They will gain knowledge on how to evaluate a project and provide recommendations for the same
		9.Costing Techniques and Responsibility Accounting	1. Students will understand in-depth various concepts relating to budgetary control, its objectives, types, advantages, disadvantages along with decisions relating to limiting factors. 2. Students will learn the concept of Zero-Base Budgeting and its advantages and disadvantages.

			3. Students will understand standards costing technique and its application in decision making along with various classification and calculation of variances and reasons for variances.
	MCOM I (Sem. II)	1.Financial Analysis and Control	1. To enable the learners to understand the concept of financial statements and acquire the knowledge of financial analysis and control tools. 2. To enhance skills of learners to make appropriate application and uses of financial analysis and control. 3. To enable the students to learn the various techniques of financial analysis. 4. To impart the basics knowledge of capital budgeting.
		2.Strategic Management	1. Students will understand the concept and process of strategic management. Emergence of changes in modern business environment will be learnt by them. 2. Students will develop strategic analytical skills to design an effective strategic plan. They will gain technical and managerial skills in various areas of business administration. 3. Students will learn Development of Applicability skills for effective plan implementation. They will gain technical skills required for evaluation of alternatives and analytical skills for choice among alternatives 4. Students will have a strong foundation in understanding the formulation of sound functional Strategy in various areas of business. They will develop Analytical and Managerial Abilities for critical evaluation.
		3.Application of Cost Accounting	1. Students will get acquainted with the knowledge necessary to select and apply appropriate costing methods in different business scenarios to facilitate effective cost management and decision making. 2. Students will be able to understand service costing principles and their application in service oriented business. 3. Students will be equipped with the knowledge to effectively manage costs throughout the entire life cycle of a product from its inception to its discontinuation. 4. Students will develop an insight about how Activity Based Costing differs from Traditional Costing.
		4.Variance Analysis and Interpretation	1. Students will be able to calculate various variances in an industry. 2. Students will be able to identify causes of variances 3. Course will highlight on practical applicability of variance analysis in industry.
		5.Cost Control and Cost System	1. Students will be able to apply various cost control techniques to manage costs effectively.

			2. Students will evaluate the implications of cost control and cost reduction decisions on overall business performance. 3. Students will be able to apply marginal costing techniques to determine the impact of cost and volume changes on profitability. 4. Students will learn how to develop costing systems that provide accurate and relevant cost information for decision -making and performance evaluation
		6.Business Ethics & Professional Values	1. Students will develop conceptual skills and understand the importance of business ethics adopted in different areas of business. Additionally they will be recognizing the significance of Professional Values and ethical obligations. 2. Students will improve analytical ability and gain technical and practical oriented skills. 3. They will build an understanding on practical importance of healthy distinctions on account of ethical behavioral approach towards stakeholders. Students will gain knowledge to understand Corporate Governance and Value Based Management systems. 4. Students will have a strong foundation in recognizing the unethical issues in Finance, Marketing, IT, HRM and at workplace. They will be able to recognize environmental issues and its impact on Business. How to achieve Sustainable Development will be understood by them.
		7.Corporate Social Responsibility	1. Students will be able to understand the role of corporate social responsibility towards multi stakeholder perspectives. 2. Students will thoroughly study theories, models, CSR policies and governance. 3. Students will learn about implementation of CSR programmers in corporations. 4. Students will have a strong foundation in the monitoring and measuring the impact of CSR programmers
		8.Elements of Knowledge Management	1. Students will develop conceptual skills and understand the importance of knowledge management. Additionally they will learn how important it is to create, share and store knowledge. 2. Students will improve analytical ability and gain technical and practice oriented skills. 3. Students will learn about how knowledge management is effective for change management. They will understand how knowledge management plays a pivotal role in various cross functional areas. 4. Students will have a strong foundation in knowledge strategies, enabling them to apply them and optimize the knowledge database. Students will understand the importance of knowledge audit and

			how it is beneficial for satisfaction of the organization.
5	M.Com. II (Sem. III)	1.Business Finance	1. Students will be able to understand the role and importance of corporate finance, and learn the calculation value of money. 2. Students will be able to understand the financial planning, theories of capitalization and estimation of finance need of firm. 3. Students will be able to learn the sources of finance to be tapped for running business successfully. 4. Students will be able to apply best practice in working capital management
		2.Cost Audit	1. Students will develop the theoretical knowledge about the Cost Audit, Cost Auditor, Cost Audit Records and Report 2. Students will be able to analyze the Cost Audit records while preparing Cost audit Report 3. Students will be better equipped to prepare effective Cost Audit Program with due consideration to the regulatory requirements relating to Cost Audit after elaborately identifying the scope of audit in given assignment 4. Students will be able to guide the management in maintaining appropriate Cost accounting Records to ensure adherence to existing regulation
		3.Management Audit	1. Students will be able to develop the ability to assess and evaluate various aspects of management practices within an organization through a detail understanding of management audit which will improve decision making and overall performance 2. Students will be equipped with the skills necessary to plan effectively, execute and report on management audit 3. Students will be capable to work on different areas and issues, under Management Audit 4. Students will develop the ability to identify reporting issues, analyze data accurately, and provide valuable insights and recommendations to support effective decision-making and improve organizational performance
		4.Decision-Making Techniques	1. To demonstrate a clear understanding of the concept of Target Costing. 2. To recognize objectives and goals associated with Target Costing, and appreciate its importance in achieving cost efficiency and customer value. 3. To develop the skill of cost reduction, enhancing product quality, improving customer satisfaction, and maintaining competitiveness in the market. 4. To apply skills for determination of transfer price.
		5.Strategic Cost Management	1. Students will develop the theoretical knowledge about the Strategic Cost Management which is holds in modern business practices.

			2. Students will be able to analyze and select appropriate costing techniques based on the organization's need and strategic goals. 3. Students will be better equipped to conduct various strategic Cost Management techniques in actual practice 4. Students will be empowered to contribute to effective cost management and enhance operational efficiency in real-world business scenarios.
		6.Project Management: Inputs, Monitoring and Control	1. Learn the insight of project management inputs 2. Understand the project monitoring and control 3. Learn the project organization and project contracts
		7.Organizational Behavior	1. Develop understanding the concepts of organizational behavior and evaluate the impact of globalization on OB. 2. Understand the characteristics of organizational culture and the concept of personality and its various dimensions 3. Understand the importance of motivation and its theories. They will also understand the definition of Emotional Intelligence, and can explain the characteristics and Importance 4. Understand how to manage with stress and understand conflict management and importance of working in teams.
		8.Human Resource Planning and Development	1. Understand the concepts of HRM and get the knowledge about the approaches, functions and challenges of HRM in changing scenario of the business. 2. Gain knowledge of practically recruitment and selection process with the retention of manpower and succession planning. 3. Understand the importance of the concept and methods of performance appraisal and result based performance. They will well acquainted with Merit Rating, promotions, transfers, job description, job evaluation, job enlargement, job enrichment, job rotation. 4. Develop the knowledge of E-HR, its benefits, Cost effect and future of E-HR. 5. Understand various work policies and importance of Human Capital Management.
		9.Project Management	1. Understand the concept of project management, need of projects and taxonomy of projects 2. Learn the insights of project identification formulation and implementation 3. Understand various aspects of project appraisal 4. Analyze the insights of project cost estimation and project financing
	M.Com. II (Sem. IV)	1.Capital Market & Financial Services	1. To make aware about working of capital market in India.

			2. To expose them to various instruments of capital market. Student will be able to understand the working of BSE and NSE, and OTCEI in detail. 3. Students shall learn and acquire the knowledge of financial services offered by agencies. 4. Students will acquire skills about recent development in regulatory body SEBI
		2.Activity Based Costing	1. Students will understand the concept of Activity Based Costing. 2. Students will apply the procedure of Activity Based Budgeting. 3. Students will utilize advanced tools in application of Activity Based Management. 4. Students will develop strategic insights for Decision Making and Performance Improvement.
		3.Recent Advances in Cost Auditing and Cost System	1. Students will understand the concepts of Big Data, Big Data Analytics. 2. Students will be able to apply the technology for cost management. 3. Students will gain knowledge of Goods and Services Tax and Forensic Audit. 4. Students will be able to analyze environment aspects for business sustainability.
		4.Recent Advances in Business Administration	1. The students will understand the concept of recent advancements in business administration. 2. They will be understanding the various tools and their application in the business 3. The students will understand the concepts of Change Management and their approaches, analytical of cross-cultural Management and customer centric Management. 4. They will be able to understand need of Innovation management
		5.Supply Chain and Logistics Management	1. Students will understand the importance of Supply Chain Management and gain practical knowledge of Bull-Whip Effect. 2. The students will understand the importance of Space Management. Understand different types of Plant layout and their SCM 3. The student will learn different methods of Logistic Management. The students gain understanding of the role of Information Technology in SCM. 4. The students will understand the various Operation Aspects in Supply Chain. They will understand the linkage between HRM and SCM
		6.Sustainable Development Goals	1 Understand the importance of sustainability 2 Comprehend the socioeconomic conditions. 3 Relate to various changes in environment and climatic conditions. 4 Comprehend the importance of institutions and policies in providing social justice.

			5 Understand various targets, actions and achievements related to SDGs. 6 Explore various case studies related to SDGs
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Maratha Vidya Prasarak Samaj's, Nashik

Karmveer Ganpat Dada More Arts, Commerce and Science College, Niphad

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===== **Department of Commerce** =====

Special Program Outcomes (SPO)

After completion of B. Com. & M. Com. Degree, Special Program Outcomes (SPO) will be as under.

1	Financial and Corporate Accounting: Students will be able to apply Generally Accepted Accounting Principles (GAAP) to record transactions, prepare financial statements (like Balance Sheets and Profit & Loss Accounts) for various entities (sole proprietorships, partnerships, and companies), and use accounting software.
2	Cost and Management Accounting: Students will acquire skills to calculate and analyze costs (material, labor, overhead), prepare cost sheets, use budgeting techniques (like budgetary control and standard costing), and apply accounting data for effective managerial decision-making.
3	Taxation: Graduates will gain practical knowledge of direct taxes (like Income Tax) and indirect taxes (like GST/VAT), including understanding legal provisions, computation of total income and tax liability, and practical aspects of e-filing.
4	Business Law and Corporate Governance: Students will understand the legal framework of business, including essential aspects of contract law, company law (e.g., formation, administration, director duties), and corporate governance.
5	Business Management: Graduates will acquire managerial skills related to planning, organizing, staffing, directing, and controlling, and will understand different organizational structures and management approaches.
6	ICT Proficiency: Graduates will acquire Information and Communication Technology (ICT) skills relevant to business, such as computerized accounting (using software like Tally), data analysis, and using digital tools for business operations and communication.
7	Specialized Expertise: Acquire deep and advanced knowledge in core areas of commerce, such as Financial Accounting, Taxation, Auditing, Financial Management, Cost Accounting, and Corporate Governance.
8	Contemporary Practices: Understand and analyze modern business, commerce, and financial practices, including exposure to International Financial Reporting Standards (IFRS), e-commerce, and e-banking operations.
9	Data Analysis and Interpretation: Develop the ability to use quantitative and statistical techniques (like regression analysis and hypothesis testing) for analyzing business data and making informed decisions.

10	Strategic Decision Making: Apply accounting and financial knowledge, including management accounting principles and costing methods , for effective managerial planning, control, and strategic decision-making.
11	Ethical and Social Responsibility: Understand the importance of professional ethics, corporate social responsibility (CSR), and moral values in the corporate world, enabling them to become responsible and ethical professionals.
12	Regulatory Framework: Comprehend the legal, ethical, and regulatory frameworks governing business and finance at both the national and international levels.

DEPARTMENT OF MARATHI

ACADEMIC YEAR: 2024–25

POs, PSOs & COs

POs: PROGRAMME EDUCATIONAL OBJECTIVES

पदवी अभ्यासक्रमाची उद्दिष्टे

PROGRAMME: B.A. (Bachelor of Arts) Pattern – 2024

PO 1	मराठी भाषा, साहित्य आणि त्यांच्या इतिहासाचे ज्ञान देणे. विद्यार्थ्यांच्या वाङ्मयीन आणि जीवनविषयक जाणिवा समृद्ध करणे.
PO 2	मराठीतील साहित्यविचाराचे ज्ञान देणे.
PO 3	मराठी समीक्षा व्यवहाराचे ज्ञान देणे.
PO 4	विद्यार्थ्यांमध्ये प्रात्यक्षिकांच्या माध्यमातून भाषिक कौशल्य विकासाची जाणीव-जागृती घडवून आणणे आणि त्यांच्यात मराठीतील भाषिक कौशल्यांचा विकास करणे.
PO 5	विद्यार्थ्यांमध्ये प्रात्यक्षिकांच्या माध्यमातून मराठी भाषेतील रोजगाराची कौशल्ये आणि क्षमता विकसित करणे.
PO 6	मराठीतील विविध साहित्यप्रकारांचा परिचय करून देणे.
PO 7	साहित्यनिर्मितीच्या प्रेरणा व प्रवृत्ती लक्षात घेऊन साहित्याचे आकलन करून घेणे.
PO 8	साहित्यकृतींच्या चिकित्सक अभ्यासाची प्रवृत्ती वृद्धिंगत करणे.
PO 9	भारतीय ज्ञानपरंपरेची विद्यार्थ्यांना ओळख करून देणे.
PO 10	विद्यार्थ्यांचा सर्वांगीण व्यक्तिमत्व विकास साधून त्याला सुसंस्कारित नागरिक म्हणून सिद्ध होण्यास मदत करणे.

POs: PROGRAMME OUTCOMES

पदवी अभ्यासक्रमाची अध्ययननिष्पत्ती

PROGRAMME: B.A. (Bachelor of Arts) –Pattern : 2019

Sr.No.	Program Outcomes
PO 1	मराठी भाषा आणि साहित्यातील पायाभूत सैद्धांतिक घटकांचे आकलन होईल.
PO 2	विविध दृष्टीकोनातून स्पष्टतापूर्ण वाचन आणि अभिव्यक्ती करता येईल.
PO 3	चिकित्सक विचार करण्याची कौशल्ये आत्मसात होतील.
PO 4	भाषिक समस्यांचा शोध घेऊन योग्य ते उपाय शोधण्याचा प्रयत्न करू शकेल.
PO 5	प्राप्त माहितीचे वस्तुनिष्ठपणे विश्लेषण आणि कारणमीमांसा करता येईल.
PO 6	संशोधनवृत्ती निर्माण होईल.
PO 7	सामुहिक ध्येयप्राप्तीसाठी एकत्र येऊन काम करणे.
PO 8	तार्किकदृष्ट्या प्राप्त माहितीचे परीक्षण करेल.
PO 9	वैचारिक प्रगल्भता विकसित होईल.
PO 10	वैयक्तिकरित्या वेगवेगळ्या कृती स्वतंत्रपणे करता येतील.
PO 11	सहजपणे दृक्श्राव्य माध्यमांची हाताळणी करता येईल.
PO 12	विद्यार्थ्यांमध्ये सामाजिक व सांस्कृतिक जाण विकसित होऊन सामाजिक सामंजस्य निर्माण होईल.
PO 13	सर्वांचा आदर करणे आणि विश्वबंधुत्वाची भावना विकसित होण्यास मदत होईल.
PO 14	अनेकविध क्षेत्रांत नेतृत्व करण्याची कौशल्ये आत्मसात होतील.
PO 15	सतत अध्ययन व संशोधन करण्याची शाश्वत आवड निर्माण होईल.

PSOs: PROGRAMME SPECIFIC OUTCOMES
पदवी अभ्यासक्रमाची विशेष निष्पत्ती
PROGRAMME: B.A. (Bachelor of Arts) – Pattern – 2024

Sr.No.	Program Specific Outcomes
PSO 1	साहित्यविषयक विविध संकल्पना आणि साहित्याचे सौंदर्यशास्त्र यांचे आकलन होईल.
PSO 2	भाषिक कौशल्ये आत्मसात होतील आणि तंत्रज्ञानाचा भाषिक व्यवहारात कौशल्यपूर्ण वापर करता येईल.
PSO 3	मराठी भाषा आणि साहित्यविषयक संशोधनवृत्ती निर्माण होईल.
PSO 4	व्यक्तिमत्व विकासास चालना मिळून जबाबदार नागरिक म्हणून जडणघडण होण्यास मदत होईल.

PSOs: PROGRAMME SPECIFIC OUTCOMES
पदवी अभ्यासक्रमाची विशेष निष्पत्ती
PROGRAMME: B.A. (Bachelor of Arts) – Pattern – 2019

Sr.No.	Program Specific Outcomes
PSO 1	साहित्यविषयक विविध संकल्पना आणि साहित्याचे सौंदर्यशास्त्र यांचे आकलन होईल.
PSO 2	भाषिक कौशल्ये आत्मसात होतील आणि तंत्रज्ञानाचा भाषिक कौशल्यपूर्ण वापर करता येईल.
PSO 3	मराठी भाषा आणि साहित्यविषयक संशोधनवृत्ती निर्माण होईल.
PSO 4	व्यक्तिमत्व विकासास चालना मिळून जबाबदार नागरिक म्हणून जडणघडण होण्यास मदत होईल.

COs: COURSE OUTCOMES
अभ्यासपत्रिकेची अध्ययन निष्पत्ती
PROGRAMME: B.A. (Bachelor of Arts) – Pattern 2024

Sr. No.	Class	Sem	Subject with Code	Course Outcomes
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1.	F.Y.B.A	I	DSC: MAR-101-T साहित्याचे स्वरूप (निवेदनात्मक साहित्यप्रकार) अभ्यासपुस्तक : मन में है विश्वास (लेखक – विश्वास नांगरे पाटील)	■ साहित्याचे स्वरूप आणि साहित्यप्रकारांची संकल्पना ज्ञात होईल. ■ आत्मकथन या साहित्यप्रकाराचे स्वरूप, प्रेरणा, वैशिष्ट्ये आणि मराठी आत्मकथनांची वाटचाल यांचे ज्ञान विद्यार्थी आत्मसात करतील. ■ आत्मकथनांच्या अभ्यासातून साहित्याचा आस्वाद घेण्याची प्रेरणा मिळेल. ■ आत्मकथन या साहित्यप्रकाराच्या संदर्भात विद्यार्थ्यांची आकलन आणि विश्लेषणक्षमता विकसित होईल. ■ आत्मकथन वाचन, आस्वाद, विश्लेषण, वर्गीकरण, मूल्यनिर्णयन या प्रक्रियेतून विद्यार्थ्यांची साहित्यविषयक अभ्यासाची समज विकसित होईल. ■ आत्मकथनाच्या अभ्यासातून विद्यार्थ्यांना अनुभवमांडणीची कला अवगत होईल. त्याचप्रमाणे अनुभवविश्लेषणाची प्रेरणा मिळेल.
2.	F.Y.B.A	I	DSC: MAR-102-P साहित्यप्रकारांचे सादरीकरण [2P]	■ साहित्यप्रकारांची आवाहनक्षमता ज्ञात होईल. ■ साहित्यप्रकारांचे वाचन करण्याचे कौशल्य विद्यार्थी आत्मसात करतील. ■ साहित्यप्रकारांचे कौशल्यपूर्ण वाचन करू शकतील. ■ साहित्यप्रकारांचे वाचन आणि सादरीकरण करण्यासंदर्भात विद्यार्थ्यांची आकलन आणि विश्लेषणक्षमता विकसित होईल. ■ काव्यवाचन, कथाकथन, कादंबरीचे अभिवाचन, चरित्रकथन, आत्मनिवेदन इत्यादींचे सादरीकरण करताना साहित्यप्रकारानिहाय मूल्यमापन करता येईल. ■ काव्यवाचन, कथाकथन, कादंबरीचे अभिवाचन, चरित्रकथन, आत्मनिवेदन इत्यादींचे सादरीकरण करण्याचे कौशल्य अवगत होईल. त्यानुसार विद्यार्थी साहित्यप्रकारांचे सादरीकरण करू शकतील.

3.	F.Y.B.A.	Sem II	DSC: MAR-151-T साहित्याचे स्वरूप (काव्यात्म साहित्यप्रकार) [2T] अभ्यासपुस्तक : गीतमाला (संपादित गीतसंग्रह)	- काव्यात्म साहित्यप्रकाराचे स्वरूप आणि साहित्यप्रकाराची संकल्पना यांचा परिचय होईल. ‘गीत’ या साहित्यप्रकाराचे स्वरूप, प्रेरणा, वैशिष्ट्ये आणि मराठी गीतांची वाटचाल यांचे ज्ञान विद्यार्थी आत्मसात करतील. - गीतांच्या अभ्यासातून साहित्याचा आस्वाद घेण्याची प्रेरणा मिळेल. ‘गीत’ या साहित्य प्रकाराच्या संदर्भात विद्यार्थ्यांची आकलन आणि विश्लेषणक्षमता विकसित होईल. - गीतांचे वाचन, गायन, आस्वाद, विश्लेषण, वर्गीकरण, मूल्यनिर्णयन या प्रक्रियेतून विद्यार्थ्यांची काव्यविषयक अभ्यासाची समज विकसित होईल. - गीतांच्या अभ्यासातून विद्यार्थ्यांना काव्यनिर्मितीची आणि विश्लेषणाची प्रेरणा मिळेल. स्व-रचित कविता-गीतांची निर्मिती करता येईल.
4.	F.Y.B.A.	Sem II	DSC: MAR-152-P साहित्यप्रकारांचे लेखन / अवलोकन [2P]	- साहित्य आणि सर्जन यांचे स्वरूप आणि साहित्यलेखनाची कौशल्ये ज्ञात होतील. - साहित्य प्रकारांचे लेखन करण्याच्या कौशल्यांचे आकलन होईल. - साहित्यप्रकारांच्या रूपबंधांची वैशिष्ट्ये सांगू शकतील. - साहित्यप्रकारांचे सर्जनशील आणि अवलोकनपर लेखन करण्यासंदर्भात विद्यार्थ्यांची आकलनक्षमता आणि विश्लेषणक्षमता विकसित होईल. - साहित्यप्रकारांचे सर्जनशील आणि अवलोकनपर लेखन करताना साहित्यप्रकारनिहाय रूपबंधाचे मूल्यमापन करता येईल. - विद्यार्थी साहित्यप्रकारांचे सर्जनशील आणि अवलोकनपर लेखन करू शकतील.

5.	F.Y.B.A.	Sem I	SEC : 101-MAR-T उपयोजित मराठी लेखनकौशल्ये [2T]	- मराठी भाषेच्या विनिमयाच्या विविध रूपांचा परिचय होईल. - जीवनव्यवहारातील भाषेच्या उपयोजनाच्या कौशल्यांची जाण प्राप्त होईल. - कार्यक्रमाचे सूत्रसंचालन, कार्यक्रमाचे अहवाललेखन, वर्णनपर लेखन, व्यक्तिप्रतिमा निर्मितीपर लेखन अशा स्वरूपाचे लेखन करता येईल. - भाषेच्या विनिमयाच्या विविध रूपांचे विश्लेषण करता येईल. - कार्यक्रमाचे सूत्रसंचालन, कार्यक्रमाचे अहवाललेखन, वर्णनपर लेखन, व्यक्तिप्रतिमा निर्मितीपर लेखन यांचे मूल्यमापन करता येईल. - भाषिक कौशल्यांच्या उपयोजनांची हातोटी प्राप्त झाल्यानंतर त्यांचा सर्जनशील व नाविन्यपूर्ण लेखनतंत्रासह व्यावसायिक वापर करता येईल.
6.	F.Y.B.A.	Sem II	SEC : 151-MAR-P व्यावसायिक मराठी लेखनकौशल्ये [2P]	- मराठी भाषेच्या विनिमयाच्या विविध रूपांचा परिचय होईल. - जीवनव्यवहारातील भाषेच्या उपयोजनाच्या कौशल्यांची जाण प्राप्त होईल. - बातमी लेखन, भाषण संहिता लेखन, संवाद लेखन/ मुलाखत लेखन, अर्ज व पत्रलेखन अशा स्वरूपाचे लेखन करता येईल. - भाषेच्या विनिमयाच्या विविध रूपांचे विश्लेषण करता येईल. - बातमी लेखन, भाषण संहिता लेखन, संवाद लेखन/ मुलाखत लेखन, अर्ज व पत्रलेखन या लेखनरूपांचे मूल्यमापन करता येईल. - भाषिक कौशल्यांच्या उपयोजनांची हातोटी प्राप्त झाल्यानंतर त्यांचा सर्जनशील व नाविन्यपूर्ण लेखनतंत्रासह व्यावसायिक वापर करता येईल.

7.	F.Y.B.Co m./B.Sc./ B.C.S.	Sem I	Open Elective [OE] OE-H-101- MAR-T व्यक्तिमत्त्व विकास आणि भाषा [2T]	- व्यक्तिमत्त्व संकल्पना व तिचे स्वरूप यांचे ज्ञान अवगत होईल. - व्यक्तिमत्त्व विकासाचे जीवनातील स्थान आणि महत्त्व स्पष्ट करता येईल. - जीवनव्यवहारात भाषिक कौशल्यांचा प्रभावी वापर करता येईल. - व्यक्तिमत्त्व विकासातील भाषेच्या उपयोजनाचे विश्लेषण करता येईल. - व्यक्तिमत्त्व विकासातील भाषेच्या उपयोजनाचे मूल्यमापन करता येईल. - व्यक्तिमत्त्वाचा विकास साधण्यास विद्यार्थी प्रवृत्त होतील.
8.	F.Y.B.Co m./B.Sc./ B.C.S.	Sem II	Open Elective [OE] OEP-H-151- MAR-P व्यावहारिक मराठी [2T]	- मराठीच्या विविध व्यवहारक्षेत्रांचा परिचय होईल. - निबंधलेखन, अर्जलेखन व पत्रलेखन यांच्या स्वरूपाचे आकलन होईल. - निबंधलेखन, अर्जलेखन व पत्रलेखनाचे समाजव्यवहारात उपयोजन करता येईल. - व्यवहार भाषेच्या वेगळेपणाचे विश्लेषण करता येईल. - व्यावहारिक गरजेनुसार भाषाबदल करता येईल. - व्यावहारिक गरजांसाठी आवश्यक असणाऱ्या लेखनशैलीचा वापर करून कौशल्यपूर्ण लेखन करता येईल.

2019 Pattern (CBCS)

9.	SYBA	III	भाषिक कौशल्य विकास आणि आधुनिक मराठी साहित्यप्रकार : कांदबरी 23023 – G2	- कांदबरी या साहित्य प्रकाराचे स्वरूप, घटक, प्रकार आणि वाटचाल यांची ओळख करून देणे. - नेमेलेल्या कांदबरीचा आस्वाद घेऊन आकलन करणे. - नवतंत्रज्ञानाचा अभ्यास करणे. - प्रभाकर पेंढारकर लिखित 'रारंगढांग' या कादंबरीचे विश्लेषण, मूल्यमापन करणे.
10.	SYBA	III	आधुनिक मराठी साहित्य: प्रकाशवाटा 23021 – S1	- मराठीतील आत्मचरित्र या संकल्पनेची ओळख करून देणे. - साहित्यकृतीचे आस्वाद व आकलन करण्याची दृष्टी निर्माण करणे. - ललितगद्य साहित्य प्रकाराचा अभ्यास करणे. - मराठी भाषिक संज्ञापन कौशल्यांचे व्यावहारिक जीवनात उपयोजन करणे.
11.	SYBA	III	साहित्यविचार 23022 – S2	भारतीय आणि पाश्चात्य साहित्याच्या आधारे साहित्याची संकल्पना, स्वरूप आणि प्रयोजन विचार समजून देणे. साहित्याची निर्मिती प्रक्रिया समजावून देणे.

				- साहित्याची निर्मिती प्रक्रिया समजावून देणे. - साहित्याची भाषा आणि शैली विषयक विचार समजावून देणे. - साहित्य व समाज यांचा सहसंबंध तपासणे.
12.	SYBA	III	प्रकाशन व्यवहार आणि संपादन 23025 SEC	- प्रकाशन व्यवहार आणि संपादन यांची ओळख करून देणे. - ग्रंथनिर्मितीप्रक्रिया समजावून देणे. - संहिता संपादन समजावून देणे. - प्रकाशन संस्था व जाहिरात यांचे व्यावहारिक जीवनातील उपयोजन स्पष्ट करणे.
13.	SYBA	III	मराठी भाषिक संज्ञापन कौशल्ये 23011 MIL	- भाषा व व्यक्तिमत्त्व विकास यांची ओळख करून देणे. - प्रसारमाध्यमांसाठी आवश्यक संज्ञापन कौशल्ये समजून देणे. - मुद्रित शोधनाची संकल्पना समजून सांगणे. - मराठी भाषिक संज्ञापन कौशल्यांचे व्यावहारिक जीवनात उपयोजन करणे.
14.	SYBA	IV	भाषिक कौशल्य विकास आणि आधुनिक मराठी साहित्य प्रकार ललित गद्य 24023 – G2	- ललित गद्य गद्य, या साहित्य प्रकाराचे स्वरूप घटक प्रकार आणि वाटचाल समजून देणे. - नेमलेल्या अभ्यासपुस्तकातील ललितगद्याचे आस्वाद आणि आकलन करणे. - गुगल साधनांचा अध्ययन व व्यावहारिक जीवनात प्रभावीपणे वापर करणे. - साहित्यरंग या पुस्तकाचे विश्लेषण आणि मूल्यमापन करणे.
15.	SYBA	IV	मध्ययुगीन मराठी साहित्य: निवडक मध्ययुगीन गद्य, पद्य 24021 – S1	- मध्ययुगीन गद्य-पद्य साहित्यप्रकारांची ओळख करून देणे. - नेमलेल्या अभ्यासपुस्तकातील मध्ययुगीन गद्य पद्य साहित्याचा आस्वाद आणि आकलन करणे. - मध्ययुगीन कालखंडातील प्रेरणा व प्रवृत्तींचा अभ्यास करणे. - मध्ययुगीन कालखंडातील साहित्याचे व भाषेचे विश्लेषण करणे.
16.	SYBA	IV	साहित्य समीक्षा 24024 – S2	- साहित्य समीक्षेची संकल्पना, स्वरूप यांचा परिचय करून देणे. - साहित्य आणि समीक्षा यांचे परस्पर संबंध समजावून देणे. - साहित्य प्रकारानुसार समीक्षेचे स्वरूप समजावून देणे. - विविध समीक्षा पद्धतीच्या आधारे विद्यार्थी मध्ये समीक्षात्मक दृष्टिकोन निर्माण करणे.
17.	SYBA	IV		जाहिरात, मुलाखतलेखन आणि संपादन यांचा अभ्यास करणे.

			उपयोजित लेखन कौशल्ये 24025 – SEC	• दृकश्राव्य माध्यमासाठी मुलाखत कौशल्याची ओळख करून देणे. • माहितीपर नोंदींची ओळख करून देणे. • जाहिरात, मुलाखत लेखन आणि संपादन या उपयोजित कौशल्याचे दैनंदिन व्यवहारात उपयोजन करणे.
18.	SYBA	IV	नवसमाजमाध्यमे आणि समाज माध्यमांसाठी मराठी 24011 – MIL	• भाषा व जीवन व्यवहार यांचा सहसंबंध समजून देणे. • नवसमाजमाध्यमांविषयी जागरूकता निर्माण करणे. • व्यावसायिक पत्रव्यवहाराची ओळख करून देणे. • समाजमाध्यमांचे महत्त्व आणि परिणामाचे विश्लेषण करणे
19.	TYBA	V	भाषिक कौशल्य विकास आणि आधुनिक मराठी साहित्यप्रकार : प्रवासवर्णन 35023 – G3	• मुद्रितमाध्यमांसाठी लेखन कौशल्यआत्मसात करणे. • प्रवासवर्णन या साहित्यप्रकाराचे स्वरूप, प्रेरणा, प्रयोजन आणि वैशिष्ट्ये समजून देणे. • तीन मुलांचे चार दिवस या पुस्तकाचे आधुनिक काळातील महत्त्व समजून सांगणे • तीन मुलांचे चार दिवस या प्रवासवर्णनाचे आकलन, आस्वाद, आकलन आणि विश्लेषण करणे.
20.	TYBA	V	मराठी वाङ्मयाचा स्थूल इतिहास प्रारंभ ते इ.स. १६०० 35021 – S3	• साहित्य इतिहासाची संकल्पना, स्वरूप, प्रेरणा, प्रवृत्ती समजावून सांगणे. • मध्ययुगीन कालखंडाची सामाजिक, सांस्कृतिक पार्श्वभूमी समजून देणे. • मराठी भाषा साहित्याची कालखंडानुसार विभागणी करणे व इतिहास समजून देणे. • मध्ययुगीन कालखंडातील विविध साहित्यप्रकारांचा अभ्यास व विश्लेषण करणे.
21.	TYBA	V	वर्णनात्मक भाषाविज्ञान 35022 – S4	• मराठी साहित्य, कौशल्य विकास आणि शासन व्यवहार यांची ओळख करून देणे. • राज्यघटनेतील भाषा विषयक तरतुदीचा परिचय करून देणे • रूप कवितेचे या नेमलेल्या अभ्यास पुस्तकातील निवडक कवितांचे आस्वाद, आकलन आणि मूल्यमापन करणे. • मराठी कवितेच्या प्रेरणा, प्रवृत्ती, स्वरूप व वाटचाल समजून देणे.
22.	TYBA	V	कार्यक्रम संयोजनातील	• कार्यक्रमाचे स्वरूप व प्रकार समजून सांगणे. • कार्यक्रमसंयोजनातील भाषिक कौशल्ये अवगत करणे.

			भाषिक कौशल्ये 35025 – SEC	- कार्यक्रम नियोजन, सूत्रसंचालन यांची कौशल्ये प्राप्त करणे - आयोजक, प्रायोजक, जाहिरातदार, निवेदक यांचे कार्य व महत्त्व समजून सांगणे.
23.	TYBA	VI	मराठी भाषिक कौशल्य विकास आणि आधुनिक मराठी साहित्यप्रकार : कविता 36023 – G3	- मराठी साहित्य, कौशल्य विकास आणि शासन व्यवहारांची ओळख करून देणे. - राज्यघटनेतील भाषा विषयक तरतुदीचा परिचय करून देणे - रूप कवितेचे या नेमलेल्या अभ्यास पुस्तकातील निवडक कवितांचे आस्वाद, आकलन आणि मूल्यमापन करणे. - मराठी कवितेच्या प्रेरणा, प्रवृत्ती, स्वरूप व वाटचाल समजून देणे.
24.	TYBA	VI	मध्ययुगीन मराठी वाङ्मयाचा स्थूल इतिहास इ.स. १६०१ ते १८१७ 36021 – S3	- शिवकाल आणि पेशवेकालातील वाङ्मयीन प्रेरणा, प्रवृत्ती, स्वरूप समजून देणे. - संत तुकाराम, रामदास, अनंत फंदी, मोरोपंत, रामजोशी, प्रभाकर इ. संत, पंडित व शाहिर कवींचे मराठी साहित्यातील योगदान अभ्यासणे. - बखर वाङ्मय प्रेरणा, प्रवृत्ती, स्वरूप समजून देणे. - सभासद बखर, शिवछत्रपतीचे सप्त प्रकरणात्मक चरित्र, भाऊसाहेबांची बखर पानिपत बखर आज्ञापत्र अभ्यासणे व विश्लेषण करणे.
25.	TYBA	VI	वर्णनात्मक भाषाविज्ञान 36022 – S4	- रूपविन्यास आणि मराठीची रूप व्यवस्था समजावून घेणे. - वाक्यविन्यास आणि मराठी भाषे संदर्भात वाक्यव्यवस्थेचा परिचय करून देणे. - अर्थविन्यास या संकल्पनेचा भाषाविज्ञानाच्या अंगाने परिचय करून देणे. - क्षेत्रभेट व संशोधन प्रकल्प यांचे महत्त्व सांगून प्रत्यक्ष क्षेत्र भेट
26.	TYBA	VI	कार्यक्रम संयोजनातील भाषिक कौशल्ये 36025 – SEC	- विषयाशी अनिवार्य कार्यक्रम संयोजनातील लेखन कौशल्ये समजावून सांगणे. - आभासी कार्यक्रम संयोजनाचा परिचय करून देणे. - निमंत्रणपत्रिका, मानपत्र लेखन, अहवाल लेखन इ. कौशल्ये समजावून सांगणे. - कविसमेलन, मराठी भाषादिन. पुस्तकप्र दर्शन इ. कार्यक्रमांचे यशस्वी संयोजन करणे.
27.	FY BCom	I	भाषा, साहित्य आणि कौशल्य	विविध क्षेत्रातील कर्तृत्ववान व्यक्तींच्या विचारांची वकार्याची ओळख करून देणे.

			विकास : उत्कर्षवाटा – 117	- मराठी साहित्यातील भिन्नभिन्न प्रवाह आणि प्रकार ओळख करून समजावून देणे. - साहित्याभ्यासातून जीवनविषयक समज विकसित करणे. - वाणिज्य शाखा व मराठी साहित्यातील परस्परसंबंधाचे मूल्यमापन करणे.
28.	FY BCom	II	भाषा आणि कौशल्यविकास – 127	- भाषिक कौशल्ये विकास करणे. - विद्यार्थ्यांना पारिभाषिक संज्ञांचा परिचय करून देणे. - व्यक्तिमत्त्व विकासात मराठी भाषेचे स्थान स्पष्ट करणे. - जागतिकीकरणात विविध क्षेत्रांना सामोरे जाण्यासाठी भाषिक क्षमता विकसित करणे.
29.	SY BSc.	III	उपयोजित मराठी – 83111	- मराठी भाषा आणि जीवन व्यवहार यांची ओळख करून देणे - प्रसारमाध्यमातील विविध लेखनप्रकारांचा अभ्यास वा प्रत्यक्षलेखन अभिरुचीचा विकास करणे. - नवसमाजमाध्यमे व प्रशासकीय लेखन यामधील विविध संधीची माहिती देणे. - जागतिकीकरणात विविध क्षेत्रांना सामोरे जाण्यासाठी भाषिक क्षमता विकसित करणे.
30.	SY BSc.	IV	मराठी कथा दर्शन – 83112	- साहित्य विषयक अभिरुची विकसित करणे. - साहित्य विषयक अभ्यासातून जीवनविषयक समज विकसित करणे. - विज्ञान साहित्य विषयक आकलन क्षमता वाढवणे. - निवडक विज्ञान कथांचा आस्वाद घेऊन त्यांचे विश्लेषण करण्याची क्षमता विकसित करणे.



**M.V.P SAMAJ'S
K.G.D.M ARTS, COMMERCE AND SCIENCE COLLEGE, NIPHAD**

Department of computer science

Program Outcomes : BSc (Comp. Sci.)

Upon completion of the Degree Programme the graduate will be able to do –

PO1: At the first year of under-graduation, the basic foundations of two important skills required for software development are laid. A course in problem solving and programming along with a course in database fundamentals forms the preliminary skill set for solving computational problems. The practical courses are designed to supplement the theoretical training in the year. Along with Computer Science, the two theoretical and one practical course each in Statistics, Mathematics and Electronics help in building a strong foundation. Career Advancement courses are introduced in both semesters to cover additional areas of Computer Science.

PO2: At the second year of under-graduation, computational problem-solving skills are further strengthened by a course in Data structures. Software engineering concepts that are required for project design are also introduced. Essential concepts of computer networking are also introduced in this year.

The practical course included in both semesters complements the theory courses.

PO3: At the third year of under-graduation, all the subjects are designed to fulfill core Computer Science requirements as well as meet the needs of the software industry. Theory courses are adequately supplemented by hands-on practical courses. Skill Enhancement courses enable the students to acquire additional value-added skills.

Programme Specific Outcomes

Computer Science Students - Upon completion of the Degree Programme the graduate will be able to do -

The objective of the program is to prepare students to undertake careers involving problem solving using computer science and technologies, or to pursue advanced studies and research in computer science. The syllabus which comprises of Computer Science subject along with that of the three allied subjects (Mathematics, Electronics and Statistics) covers the foundational aspects of computing sciences and also develops the requisite professional skills and problem-solving abilities using computing science

Course Outcomes : FYBSc(C.S.) SEM-I		
Course Title	Code	Outcomes
Problem Solving using Computer and 'C' Programming	CS- 111	1. Explore algorithmic approaches to problem solving. 2. Develop modular programs using control structures and arrays in 'C'. 3. Devise pseudo codes and flowchart for computational problems. 4. Write, debug and execute simple programs in 'C'.
Database Management Systems	CS-112	1. Create database tables in postgre SQL. 2. Write and execute simple, nested queries. 3. Solve real world problems using appropriate set, function, and relational models. 4. Use SQL.
Matrix Algebra	MTC 111	1. A students should be able to work with graphs and identify certain parameters and properties of the given graphs. 2. A students should be able to perform certain algorithms, justify why these algorithms work, and give some estimates of the running times of these algorithms.
		1. A students should be able to solve basic exercises of the type:

Discrete Mathematics	MTC 112	given a graph with properties X, prove that the graph also has property Y. 2. A students should develop an appreciation for the literature on the subject and be able to read and present results from the literature.
Semiconductor Devices and Basic Electronic Systems	ELC 111	1. Familiarize with current and recent technological developments 2. Explore various types of semiconductor devices 3. Study elementary electronic circuits and systems
Principles of Digital Electronics	ELC 112	1. Get familiar with concepts of digital electronics 2. Learn number systems and their representation. 3. Understand basic logic gates, Boolean algebra and K-maps. 4. To study arithmetic circuits, combinational circuits and sequential circuits.
Descriptive Statistics I	CSST 111	1. At the end of the course, a student should be well equipped to learn and apply acquired techniques in computer-based applications
Mathematical Statistics	CSST 112	1. covers basic concepts and terminology in Statistics and covers basic tools and methods required for data analysis
Course Outcomes : FYBSc(C.S.) SEM-II		
Course Title	Code	Outcomes
Advanced 'C' Programming	CS 121	1. Develop modular programs using control structures, pointers, arrays, strings and structures 2. Design and develop solutions to real world problems using C.
Relational Database Management Systems	CS 122	3. Design E-R Model for given requirements and convert the same into database tables. 4. Use database techniques such as SQL & PL/SQL. 5. Explain transaction Management in relational database System. 6. Use advanced database Programming concepts.
Linear Algebra	MTC 121	7. A students should be able to write cohesive and comprehensive solutions to exercises and be able to defend their arguments.
Graph Theory	MTC 122	8. A students should be able to solve basic exercises of the type: given a graph with properties X, prove that the graph also has property Y.
Instrumentation System	ELC 121	9. To study Instrumentation System. 10. To study various Sensors, Transducer and Actuators 11. To study Smart Instrumentation System. 12. Detail Study of OPAMP For signal Conditioner.
Basics of Computer Organization	ELC 122	13. To get familiar digital sequential circuits. 14. To study Basic computer Organization. 15. To study Memory architecture.
Methods of Applied Statistics	CS 111	16. To understand the relationship between two variables using scatter plot. 17. To compute coefficient of correlation, coefficient of regression 18. To fit various regression models and to find best fit.

Continuous Probability Distributions and Testing of Hypothesis	CSS T 112	To fit the Normal distribution. To understand the trend in time series and how to remove it. To apply inferential methods for real data sets. To generate model sample from given distributions. To understand the importance and functions of different statistical organizations in the development of nation.
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Course Outcomes : SYBSc(C.S.) SEM-III		
Course Title	Code	Outcomes
Data Structures and Algorithms – II	CS 231	1. Implementation of different data structures efficiently 2. Usage of well-organized data structures to handle large amount of data 3. Usage of appropriate data structures for problem solving
Software Engineering	CS 232	4. Compare and choose a process model for a software project development. 5. Identify requirements, analyze and prepare models. 6. Prepare the SRS, Design document, Project plan of a given software system.
Micro controller		7. To write programs for 8051 microcontroller.

Architecture & Programming	ELC 231	8. To interface I/O peripherals to 8051 microcontroller 9. To design small microcontroller-based projects
Digital Communication and Networking,	ELC 232	10. Define and explain terminologies of data communication 11. Understand the impact and limitations of various digital modulation techniques 12. To acknowledge the need of spread spectrum schemes. 13. Identify functions of data link layer and network layer while accessing communication link 14. To choose appropriate and advanced techniques to build the 1. computer network
Groups and Coding Theory	MTC 231	15. Reflecting the broad nature of the subject and developing mathematical tools for continuing further study in various fields of science.
Numerical Techniques	MTC 232	16. Give the students a sufficient knowledge of fundamental principles, methods and a clear perception of innumerable power of mathematical ideas and tools and know how to use them by modeling, solving and interpreting.

Course Outcomes : SYBSc(C.S.) SEM-IV

Course Title	Code	Outcomes
Data Structures and Algorithms – II	CS 241	1. Implementation of different data structures efficiently 2. Usage of well-organized data structures to handle large amount of data 3. Usage of appropriate data structures for problem solving
Computer Network	CS 242	1. Have a good understanding of the OSI and TCP/IP Reference Models and in particular have a good knowledge of Layers. 2. Understand the working of various protocols. 3. Analyze the requirements for a given organizational structure and select the most appropriate networking architecture and technologies
Embedded System Design	ELC 241	1. To understand the concept of Embedded Systems. 2. To study the design flow and available tools for an Embedded system. 3. To understand the implementation of Embedded System using firmware and hardware components. 4. To acquire programming skills for the development of Embedded system design. 1. To develop practical skills for designing Embedded

		System Applications.
Wireless Communication and Internet of Things	ELC 242	1. Know working principal of wireless technologies such as Mobile communication, GSM, GPRS 2. Become familiar with 3G and 4G Cellular Network Technologies for Data Connections. 3. Understand working principles of short-range communication application 4. Get introduced to upcoming technology of Internet of Things 5. Explore themselves and develop new IoT based applications
Computational Geometry	MTC 241	1. Enabling students to develop a positive attitude towards Mathematics as an interesting and valuable subject of study.
Operations Research	MTC 242	1. Enhancing students' overall development and to equip them with mathematical modeling abilities, problem-solving skills, creative talent and power of communication necessary for various kinds of employment.

M.V.P SAMAJ'S
K.G.D.M ARTS, COMMERCE AND SCIENCE COLLEGE, NIPHAD
Department of Computer Science

BSc (Comp. Sci.) NEP 2020 -Cos , POs and PSOs

Programme Out comes:- (POs)

PO1 :-Develop creative skills, critical thinking, analytical skills and research to address the real world problems using computational skills

PO2:-Understand and apply mathematical foundation, computing and domain knowledge and develop computing models for defined problems

PO3:-Understand software project management and computing principles with computing knowledge to manage projects in multidisciplinary environments

PO4:-Illustrate the concepts of systems fundamentals, including architectures and organization, operating systems, networking and communication

PO5 :-Understand and apply the concepts of Digital Electronics, Computer Architecture, IoT etc.

PO6:-Recognize the need for and develop the ability to engage in continuous learning as a Computing professional

PO7:-Apply modern computing tools, skills, and techniques necessary for innovative software solutions

PO8:-Communicate effectively with the computing community as well as society by being able to comprehend effective documentations and presentations

PO9:-Gain Self Discipline and commit Professional Ethics in global economic environment

PO10:-Individual & Team Work: Ability to work as a member or leader in diverse teams in multidisciplinary environment

PO11 I:-Identify opportunities, entrepreneurship vision and use innovative ideas to create value and wealth for the betterment of the individual and society

Programme Specific Outcomes- (PSOs)

Computer Science Students - Upon completion of the Degree Programme the graduate will be able to do -

The objective of the program is to prepare students to undertake careers involving problem solving using computer science and technologies, or to pursue advanced studies and research in computer science. The syllabus which comprises of Computer Science subject along with that of the three allied subjects (Mathematics, Electronics and Statistics) covers the foundational aspects of computing sciences and also develops the requisite professional skills and problem-solving abilities using computing sciences.

Course Outcomes (Cos):-

F.Y.B.Sc. (Computer Science) - Sem – I (NEP 2020)

Code:-CS-101-T Course Title :-Problem Solving Using C Programming	● Explore algorithmic approaches to problem solving. ● Control the sequence of the program and give logical outputs. ● Understand and manage Input /Output operations in ‘C’ program ● Develop modular programs using control structures and arrays in ‘C’.
Code : CS-102-P Course Title: Lab Course based on CS-101-T	● Explore and develop the algorithmic approaches to problem solving. ● Understand and implement modular programs using control structures and arrays in ‘C’. ● Implement programming logic and also test, debug and execute programs. ● Implement Control the sequence of the program and give logical outputs

Code : MTC-101-T Course Title : Matrix Algebra	● Work with graphs and identify certain parameters and properties of the given graphs. ● Perform certain algorithms, justify why these algorithms work, and give some estimates of the running times of these algorithms. ● Solve basic exercises of the type: given a graph with properties X, prove that the graph also has property Y. ● Develop an appreciation for the literature on the subject and be able to read and present results from the literature. ● Write cohesive and comprehensive solutions to exercises and be able to defend their arguments.
Code : MTC-101-P Course Title: Mathematics Practical I	2. Students should work with matrices and perform different kind of operations on matrices. 3. Students must understand the maxima software to use for solving problems in matrices. 4. Students must learn to solve problems of counting principles & recurrence relations 5. Students should work on maxima software to solve different kind of mathematical expressions
Code : ELC-101-T Course Title : Principles of Analog Electronics	● Understand the concept of semiconductor diodes. ● Understand the different applications of FET, BJT and MOSFET. ● Understand working principle of different sensors. ● Use Op-amp for different application.
Code : ELC-102-P Course Title : Electronics Practical Course I	● Use different semiconductor diodes for various applications. ● Understand the different applications of FET, BJT and MOSFET. ● Use of different sensors for parameter measurement
Course Type: GE/OE Code : OE-101-CS-T Course Title : Office Automation I	● Prepare the professional word documents ● Explore various tools in the word processing software. ● Develop documents using word processing advanced tools
Course Type: GE/OE Code : OE-102-CS-T Course Title : Introduction to Computers and Basics of Internet	● Use the computer peripherals effectively ● Use the internet for the day to day life ● Explore various applications available over the internet.
Course Type: GE/OE Code : OE-103-CS-T Course Title : Introduction to Google Apps I	● Use the google tools for the day to day life ● Explore various applications available in the google tools. ● Develop the skills to implement the skills available in the google tools.
Course Type: GE/OE Code : OE-104-CS-T Course Title : Fundamentals of Computers I	● Understand the concept of input and output devices of Computers ● Learn the functional units and classify types of computers ● Understand concept of software and working of operating system ● Learn basic Word processing, Spreadsheet and Presentation Graphics Software skills ● Study to use the Information Technology safely, legally, and responsibly ● Describe various uses of offices automation tools in accounting Operations
Course Type: SEC Code : SEC-101-CS-P Course Title : Statistical Methods for Computer Science I	● Present the complex data in tabular format. ● Use various diagrammatic and graphical techniques to represent statistical data and interpret the data. ● Compute various measures of central tendency, dispersion, skewness, and kurtosis using MS-Excel and interpret the results

	● Establish relation between variables and estimate response for given bivariate data using software and interpret the results.
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F.Y.B.Sc. (Computer Science) - Sem – II (NEP 2020)

Code : CS-151-T Course Title :Advanced C Programming	● Develop modular programs using control structures, function ,pointers, arrays, strings and structures ● Design and develop solutions to real world problems using C. ● Understand and repeat the sequence of instructions and points for a memory location. ● Identification, analysis, development, verification and documentation of the requirements for a computing environment.
Course Code : CS-151-P Course Title :Lab Course based on CS-151-P	● Develop modular programs using function, pointers, arrays, strings and structures ● Design and develop solutions to real world problems using Advanced C programming
Code : MTC-151-T Course Title :Graph Theory	● Work with graphs and identify certain parameters and properties of the given graphs. ● Perform certain algorithms, justify why these algorithms work, and give some estimates of the running times of these algorithms. ● Solve basic exercises of the type: given a graph with properties X, prove that the graph alsohas property Y. ● Develop an appreciation for the literature on the subject and be able to read and presentresults from the literature. ● Write cohesive and comprehensive solutions to exercises and be able to defend their arguments
Code : ELC-151-T Course Title : Principles of Digital Electronics	● To learn different number system and their inter conversion. ● To understand logic gates and their applications. ● To study rules and laws of Boolean Algebra. ● To understand and design of combinational circuit and their different types.
Code : ELC-152-P Course Title : Electronics Practical Course II	● Understand the design and build of digital circuits using logic gates. ● Use breadboard / tag-board for building small electronic circuits. ● Design digital circuits for different applications. ● Validate observed outputs with expected theoretical outputs.
Course Type: GE/OE Code : OE-151-CS-T Course Title :Office Automation II	● Prepare the professional presentations ● Explore various tools in the PowerPoint presentation software. ● Develop documents using PowerPoint advanced tools.
Course Type: GE/OE Code : OE-152-CS-T Course Title : Computer Fundamentals	● Use the computers for the day-to-day life ● Learn the fundamental concepts of computer science ● Explore various applications available in the computers. ● Explain the needs of hardware and software required for a computation task
Course Type: GE/OE Code : OE-153-CS-T Course Title : Introduction to Google Apps II	● Use the google tools for the day to day life ● Explore various applications available in the google tools. ● Develop the skills to implement the skills available in the google tools.
Course Type: GE/OE Code : OE-154-CS-T Course Title :	● Understand the basic concepts of Networking and Cyber Security. ● Describe Cyber Security Laws and concepts of Digital Signature

Fundamentals of Computers II	● Identify the different types of Network devices and their functions within a Network. ● Elaborate the Internet Services and related terms of Internet. ● Evaluate information security threats.
Course Type: GE/OE Code : OE-155-CS-T Course Title : AI Tools for Business	● Understand the role of AI tools in business operations. ● Utilize AI-powered tools for marketing, automation, and decision-making ● Apply AI solutions to business challenges through practical use cases
Course Type: SEC Code : SEC-151-CS-P Course Title : Statistical Methods for Computer Science II	● Fit second-degree curve, and exponential curves. ● Estimate trends by using time series data. ● Understand concept of probability. ● Estimate probabilities of standard probability distributions ● Perform tests based on normal, Chi-Square, t and F distributions.

Course Outcomes : SYBSc(C.S.) SEM-III

Course Title	Code	Outcomes
Data Structures and Algorithms – II	CS 231	1. Implementation of different data structures efficiently 2. Usage of well-organized data structures to handle large amount of data 3. Usage of appropriate data structures for problem solving
Software Engineering	CS 232	4. Compare and choose a process model for a software project development. 5. Identify requirements analyze and prepare models. 6. Prepare the SRS, Design document, Project plan of a given software system.
Micro controller Architecture & Programming	ELC 231	7. To write programs for 8051 microcontroller. 8. To interface I/O peripherals to 8051 microcontroller 9. To design small microcontroller-based projects
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Numerical Techniques	MTC 232	16. Give the students a sufficient knowledge of fundamental principles, methods and a clear perception of innumerable power of mathematical ideas and tools and know how to use them by modeling, solving and interpreting.
Course Outcomes : SYBSc(C.S.) SEM-IV		
Course Title	Code	Outcomes
Data Structures and Algorithms – II	CS 241	1. Implementation of different data structures efficiently 2. Usage of well-organized data structures to handle large amount of data 3. Usage of appropriate data structures for problem solving
Computer Network	CS 242	1. Have a good understanding of the OSI and TCP/IP Reference Models and in particular have a good knowledge of Layers. 2. Understand the working of various protocols. 3. Analyze the requirements for a given organizational structure and select the most appropriate networking architecture and technologies
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Computational Geometry	MTC 241	• Enabling students to develop a positive attitude towards Mathematics as an interesting and valuable subject of study.
		• Enhancing students' overall development and to

Operations Research	MTC 242	equip them with mathematical modeling abilities, problemsolving skills, creative talent and power of communication necessary for various kinds of employment.
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Course Outcomes : TYBSc(C.S.) SEM-V		
Course Name	Code	Course Outcomes
Operating Systems – I	CS 351	- Processes and Thread Scheduling by operating system - Synchronization in process and threads by operating system - Memory management by operating system using with the help of various schemes
Computer Networks – II	CS 352	- Student will understand the different protocols of Application layer. - Develop understanding of technical aspect of Multimedia Systems - Develop various Multimedia Systems applicable in real time. - Identify information security goals. - Understand, compare and apply cryptographic techniques for data security.
Web Technologies – I	CS 353	6. Understand how to develop dynamic and interactive Web Page
Foundations of Data Science	CS 354	7. Perform Exploratory Data Analysis 8. Obtain, clean/process, and transform data. 9. Detect and diagnose common data issues, such as missing values, special values, outliers, inconsistencies, and localization. 10. Demonstrate proficiency with statistical analysis of data. 11. Present results using data visualization techniques. 12. Prepare data for use with a variety of statistical methods and models and recognize how the quality of the data and the means of data collection may affect conclusions.
Object Oriented Programming using Java – I	CS 355	13. Understand the concept of classes, object, packages and Collections. 14. To develop GUI based application
Theoretical Computer Science	CS 356	15. Understand the use of automata during language design. 16. Relate various automata and Languages
Practical Course based on 351	CS 357	17. Process synchronization 18. Processes and Thread Scheduling by operating system 19. Memory management by operating system using with the help of various schemes
Practical Course based on CS - 353 and CS - 354	CS 358	20. Understand how to develop dynamic and interactive Web Page 21. Prepare data for use with a variety of statistical methods and recognize how the quality of the data may affect conclusions. 22. Perform exploratory data analysis

Practical Course based on CS - 355	CS 359	23. Use an integrated development environment to write, compile, run, and test simple object-oriented Java programs. 24. Read and make elementary modifications to Java programs that solve real-world problems. 25. Validate input in a Java program.
Python Programming	CS 3510	26. Develop logic for problem solving - Determine the methods to create and develop Python programs by utilizing the data - Structures like lists, dictionaries, tuples and sets. - To be familiar about the basic constructs of programming such as data, operations, conditions, loops, functions etc. - To write python programs and develop a small application 27. project
Blockchain Technology	CS 3511	1. Learn the fundamentals of Blockchain Technology. 2. Learn Blockchain programming 3. Basic knowledge of Smart Contracts and how they function.
Course Outcomes : TYBSc(C.S.) SEM-VI		
Course Name	Code	Course Outcomes
Operating Systems- II	CS 361	1. Management of deadlocks and File System by operating system 2. Scheduling storage or disk for processes 3. Distributed Operating System and its architecture and the extended features in mobile OS.
Software Testing	CS 362	1. To understand various software testing methods and strategies. 2. To understand a variety of software metrics, and identify defects and managing those defects for improvement in quality for given software. 3. To design test cases and test plans, review reports of testing for qualitative software. 4. To understand latest testing methods used in the software industries.
Web Technologies – II	CS 363	1. Build dynamic website. 2. Using MVC based framework easy to design and handling the errors in dynamic website.
Data Analytics	CS364	1. Use appropriate models of analysis, assess the quality of input, and derive insight from results. 2. Analyze data, choose relevant models and algorithms for respective applications 3. Understand different data mining techniques like classification, prediction, clustering and association rule mining

		4. Apply modeling and data analysis techniques to the solution of real-world business problems
Object Oriented Programming using Java – II	CS 365	1. To access open database through Java programs using Java DataBase Connectivity (JDBC) and develop the application. 2. Understand and Create dynamic web pages, using Servlets andJSP. 3. Work with basics of framework to develop secure web applications
Compiler Construction	CS 366	1. Understand the process of scanning and parsing of source code. 2. Learn the conversion code written in source language to machinelanguage. 3. Understand tools like LEX and YACC.
Practical Course based on CS - 361	CS 367	➤ Management of deadlocks by operating system ➤ File System management ➤ Disk space management and scheduling for processes
Practical Course based on CS - 363 and CS – 364	CS 368	➤ Build dynamic website. ➤ Using MVC based framework easy to design and handling theerrors in dynamic website.
Practical Course based on CS - 365	CS 369	➤ To Learn database Programming using Java ➤ Understand and create dynamic web pages using Servlets andJSP. ➤ Work with basics of framework to develop secure web applications
Software Testing Tools	CS 3610	1. To understand various software testing methods and strategies. 2. To understand a variety of software metrics and identify defectsand managing those defects for improvement in quality for givensoftware. 3. To design test cases and test plans, review reports of testing for qualitative software. 4. To understand latest testing tools used in the software industries

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Department of Computer Science

BSc (Comp. Sci.) NEP 2020 -Cos , POs and PSOs

Programme Out comes:- (POs)

PO1 :-Develop creative skills, critical thinking, analytical skills and research to address the real world problems using computational skills

PO2:-Understand and apply mathematical foundation, computing and domain knowledge and develop computing models for defined problems

PO3:-Understand software project management and computing principles with computing knowledge to manage projects in multidisciplinary environments

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PO7:-Apply modern computing tools, skills, and techniques necessary for innovative software solutions

PO8:-Communicate effectively with the computing community as well as society by being able to comprehend effective documentations and presentations

PO9:-Gain Self Discipline and commit Professional Ethics in global economic environment

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PO11 I:-Identify opportunities, entrepreneurship vision and use innovative ideas to create value and wealth for the betterment of the individual and society

Programme Specific Outcomes- (PSOs)

Computer Science Students - Upon completion of the Degree Programme the graduate will be able to do -

The objective of the program is to prepare students to undertake careers involving problem solving using computer science and technologies, or to pursue advanced studies and research in computer science. The syllabus which comprises of Computer Science subject along with that of the three allied subjects (Mathematics, Electronics and Statistics) covers the foundational aspects of computing sciences and also develops the requisite professional skills and problem-solving abilities using computing sciences.

Course Outcomes (Cos):-

F.Y.B.Sc. (Computer Science) - Sem – I (NEP 2020)

Code:-CS-101-T	• Explore algorithmic approaches to problem solving.
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Course Title :-Problem Solving Using C Programming	● Control the sequence of the program and give logical outputs. ● Understand and manage Input /Output operations in 'C' program ● Develop modular programs using control structures and arrays in 'C'.
Code : CS-102-P Course Title: Lab Course based on CS-101-T	● Explore and develop the algorithmic approaches to problem solving. ● Understand and implement modular programs using control structures and arrays in 'C'. ● Implement programming logic and also test, debug and execute programs. ● Implement Control the sequence of the program and give logical outputs
Code : MTC-101-T Course Title : Matrix Algebra	● Work with graphs and identify certain parameters and properties of the given graphs. ● Perform certain algorithms, justify why these algorithms work, and give some estimates of the running times of these algorithms. ● Solve basic exercises of the type: given a graph with properties X, prove that the graph also has property Y. ● Develop an appreciation for the literature on the subject and be able to read and present results from the literature. ● Write cohesive and comprehensive solutions to exercises and be able to defend their arguments.
Code : MTC-101-P Course Title:Mathematics Practical I	5.Students should work with matrices and perform different kind of operations on matrices. 6.Students must understand the maxima software to use for solving problems in matrices. 7.Students must learn to solve problems of counting principles & recurrence relations 8.Students should work on maxima software to solve different kind of mathematical expressions
Code : ELC-101-T Course Title : Principles of Analog Electronics	● Understand the concept of semiconductor diodes. ● Understand the different applications of FET, BJT and MOSFET. ● Understand working principle of different sensors. ● Use Op-amp for different application.
Code : ELC-102-P Course Title :Electronics Practical Course I	● Use different semiconductor diodes for various applications. ● Understand the different applications of FET, BJT and MOSFET. ● Use of different sensors for parameter measurement
Course Type: GE/OE Code : OE-101-CS-T Course Title : Office Automation I	● Prepare the professional word documents ● Explore various tools in the word processing software. ● Develop documents using word processing advanced tools
Course Type: GE/OE Code : OE-102-CS-T Course Title : Introduction to Computers and Basics of Internet	● Use the computer peripherals effectively ● Use the internet for the day to day life ● Explore various applications available over the internet.
Course Type: GE/OE Code : OE-103-CS-T Course Title : Introduction to Google Apps I	● Use the google tools for the day to day life ● Explore various applications available in the google tools. ● Develop the skills to implement the skills available in the google tools.
Course Type: GE/OE Code : OE-104-CS-T	● Understand the concept of input and output devices of Computers ● Learn the functional units and classify types of computers

Course Title : Fundamentals of Computers I	● Understand concept of software and working of operating system ● Learn basic Word processing, Spreadsheet and Presentation Graphics Software skills ● Study to use the Information Technology safely, legally, and responsibly ● Describe various uses of offices automation tools in accounting Operations
Course Type: SEC Code : SEC-101-CS-P Course Title : Statistical Methods for Computer Science I	● Present the complex data in tabular format. ● Use various diagrammatic and graphical techniques to represent statistical data and interpret the data. ● Compute various measures of central tendency, dispersion, skewness, and kurtosis using MS-Excel and interpret the results ● Establish relation between variables and estimate response for given bivariate data using software and interpret the results.

F.Y.B.Sc. (Computer Science) - Sem – II (NEP 2020)

Code : CS-151-T Course Title :Advanced C Programming	● Develop modular programs using control structures, function ,pointers, arrays, strings and structures ● Design and develop solutions to real world problems using C. ● Understand and repeat the sequence of instructions and points for a memory location. ● Identification, analysis, development, verification and documentation of the requirements for a computing environment.
Course Code : CS-151-P Course Title :Lab Course based on CS-151-P	● Develop modular programs using function, pointers, arrays, strings and structures ● Design and develop solutions to real world problems using Advanced C programming
Code : MTC-151-T Course Title :Graph Theory	● Work with graphs and identify certain parameters and properties of the given graphs. ● Perform certain algorithms, justify why these algorithms work, and give some estimates of the running times of these algorithms. ● Solve basic exercises of the type: given a graph with properties X, prove that the graph alsohas property Y. ● Develop an appreciation for the literature on the subject and be able to read and presentresults from the literature. ● Write cohesive and comprehensive solutions to exercises and be able to defend their arguments
Code : ELC-151-T Course Title : Principles of Digital Electronics	● To learn different number system and their inter conversion. ● To understand logic gates and their applications. ● To study rules and laws of Boolean Algebra. ● To understand and design of combinational circuit and their different types.
Code : ELC-152-P Course Title : Electronics Practical Course II	● Understand the design and build of digital circuits using logic gates. ● Use breadboard / tag-board for building small electronic circuits. ● Design digital circuits for different applications. ● Validate observed outputs with expected theoretical outputs.
Course Type: GE/OE Code : OE-151-CS-T Course Title :Office Automation II	● Prepare the professional presentations ● Explore various tools in the PowerPoint presentation software. ● Develop documents using PowerPoint advanced tools.
Course Type: GE/OE Code : OE-152-CS-T	● Use the computers for the day-to-day life ● Learn the fundamental concepts of computer science

Course Title : Computer Fundamentals	● Explore various applications available in the computers. ● Explain the needs of hardware and software required for a computation task
Course Type: GE/OE Code : OE-153-CS-T Course Title : Introduction to Google Apps II	● Use the google tools for the day to day life ● Explore various applications available in the google tools. ● Develop the skills to implement the skills available in the google tools.
Course Type: GE/OE Code : OE-154-CS-T Course Title : Fundamentals of Computers II	● Understand the basic concepts of Networking and Cyber Security. ● Describe Cyber Security Laws and concepts of Digital Signature ● Identify the different types of Network devices and their functions within a Network. ● Elaborate the Internet Services and related terms of Internet. ● Evaluate information security threats.
Course Type: GE/OE Code : OE-155-CS-T Course Title : AI Tools for Business	● Understand the role of AI tools in business operations. ● Utilize AI-powered tools for marketing, automation, and decision-making ● Apply AI solutions to business challenges through practical use cases
Course Type: SEC Code : SEC-151-CS-P Course Title : Statistical Methods for Computer Science II	● Fit second-degree curve, and exponential curves. ● Estimate trends by using time series data. ● Understand concept of probability. ● Estimate probabilities of standard probability distributions ● Perform tests based on normal, Chi-Square, t and F distributions.

S.Y.B.Sc. (Computer Science) - Sem – I (NEP 2020)

Course Type: Major Core Course Code: CS-201-MJ-T Course Title: Data Structure I	CO1: Understand basics of data structure and algorithm analysis CO2: Apply working strategy for different data Structures to solve related problems CO3: Implement Data Structure and its Applications CO4: Develop real words application based on data structure like array, link list, stack and queue CO5: Design data structure to solve problems using appropriate algorithmic techniques.
Course Type: Major Core Course Code: CS-202-MJ-T Course Title: Database Management System I	CO1: Solve real world problems using appropriate set, function, and relational models. CO2: Design E-R Model for given requirements and convert the same into database tables. CO3: Design and create relational database systems. CO4: Evaluate and apply database management operations to use database systems.
Course Type: Major Core Course Code: CS-203-MJ-P Course Title: Lab Course based on CS-201-MJ-T & CS-202-MJ-T	CO1: Apply Linear and Binary Search techniques to efficiently CO2: Analyze and implement sorting techniques CO3: Develop Singly and Doubly Linked Lists with operations such as insertion, deletion, searching, reversal, and concatenation. CO4: Evaluate the performance of Circular and Doubly Circular Linked Lists for dynamic memory-based data handling. CO5: To design and implement relational database systems, including creating tables, defining relationships, and implementing constraints. CO6: To understand Entity-Relationship (ER) diagrams to model database structures and convert them into relational models.
Course Type: VSC Course Code: CS 221-VSC-T Course Title : Software Engineering	CO1: Identify data requirements, analyze and prepare data models. CO2: Understand basic software engineering concepts and Process models. CO3: Compare and chose a process model for a software project development. CO4: Design different UML Diagrams.
Course Type: IKS Course Code: CS-201-IKS-T Course Title : Indian Knowledge System in Computing	CO1: Understand the computational foundations of Indian Knowledge Systems by applying Vedic mathematical techniques in problem-solving. CO2: Use Nyaya’s logical reasoning in AI and decision-making. CO3: Explore the connection between Panini’s grammar and NLP technologies. CO4: Recognize the applications of IKS in modern computing fields
Course Type: FP/OJT/CEP Course Code: CS-231-FP Course Title : Mini Project	CO1: Identify requirements, analyze and prepare models. CO2: Understand basic SW engineering concepts and Process models. CO3: Compare and chose a process model for a software project development. CO4: Design different UML Diagrams.
Course Type:GE/OE. Course Code: OE-203-CS-T Course Title: Digital Marketing -I	CO1: Learn and visualize power to explore new ideas. CO2: Analyze and develop their Marketing skills. CO3: Analyze and understand tacts with corporate objectives and produce quantifiable outcomes from e-payment mechanisms.

	CO4: Identify and apply target demographics and company objectives, increasing brand awareness and boosting conversions.
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S.Y.B.Sc. (Computer Science) - Sem – II (NEP 2020)

Course Type: Major Course Code: CS-251-MJ-T Course Title : Data Structure II	CO1: Learn traversal algorithms to solve computational problems efficiently. CO2: Analyze the performance of different data structures. CO3: Design graph-based solutions using representations techniques CO4: Evaluate the efficiency of different strategies of data storage and retrieval.
Course Type: Major Course Code: CS-252-MJ-T Course Title : Database Management System-II	CO1: Understand PL/PGSQL database techniques and its programming skill. CO2: Apply and relate the concepts of database transaction management. CO3: Implement the concurrency control mechanism and recovery techniques in the databases. CO4: Inculcate concepts of modern databases CO5: Apply the database security concepts in real life situation.
Course Type: Major Course Code: CS-253-MJ-P Course Title : Lab Course based on CS-251-MJ-T & CS-252-MJ-T	CO1: Understand the basic concepts of data structures. CO2: Choose the appropriate data structure for a given problem. CO3: Design and implement database applications to solve real-world problems. CO4: Implement database security concept and access control mechanism.
Course Type: VSC Course Code: CS-281-FP Course Title : Mini Project	CO1: Identify requirements, analyze and prepare models. CO2: Understand basic SW engineering concepts and Process models. CO3: Compare and chose a process model for a software project development. CO4: Design different UML Diagrams.
Course Type: SEC Course Code: SEC-251-CS-P Course Title : Computer Networks	CO1: Understand the principles of wireless networking. CO2: Configure wireless networks. CO2: Demonstrate the ability to apply theoretical knowledge in practical lab settings. CO3: Utilize troubleshooting techniques and tools to diagnose and resolve common network issues effectively. CO4: Identify potential security threats to networks and apply appropriate security measures. CO5: Apply security practices in real-world scenarios.
Course Type:GE/OE. Course Code: OE-253-CS-T Course Title: Digital Marketing II	CO1: Understand and learn marketing strategies and results effectively to stakeholders. CO2: Assess and enhance digital marketing campaigns' return on Investment. CO3: Analyze and implement practical experience with industry-standard digital marketing tools. CO4: Analyze and use variety of social media channels to create and interact with communities, raise awareness of a brand.

Course Outcomes : TYBSc(C.S.) SEM-V		
Course Name	Code	Course Outcomes

Operating Systems – I	CS 351	- Processes and Thread Scheduling by operating system - Synchronization in process and threads by operating system - Memory management by operating system using with the help of various schemes
Computer Networks – II	CS 352	- Student will understand the different protocols of Application layer. - Develop understanding of technical aspect of Multimedia Systems - Develop various Multimedia Systems applicable in real time. - Identify information security goals. - Understand, compare and apply cryptographic techniques for data security.
Web Technologies – I	CS 353	9. Understand how to develop dynamic and interactive Web Page
Foundations of Data Science	CS 354	10. Perform Exploratory Data Analysis 11. Obtain, clean/process, and transform data. 12. Detect and diagnose common data issues, such as missing values, special values, outliers, inconsistencies, and localization. 13. Demonstrate proficiency with statistical analysis of data. 14. Present results using data visualization techniques. 15. Prepare data for use with a variety of statistical methods and models and recognize how the quality of the data and the means of data collection may affect conclusions.
Object Oriented Programming using Java – I	CS 355	16. Understand the concept of classes, object, packages and Collections. 17. To develop GUI based application
Theoretical Computer Science	CS 356	18. Understand the use of automata during language design. 19. Relate various automata and Languages
Practical Course based on 351	CS 357	20. Process synchronization 21. Processes and Thread Scheduling by operating system 22. Memory management by operating system using with the help of various schemes
Practical Course based on CS - 353 and CS - 354	CS 358	23. Understand how to develop dynamic and interactive Web Page 24. Prepare data for use with a variety of statistical methods and recognize how the quality of the data may affect conclusions. 25. Perform exploratory data analysis
Practical Course based on CS - 355	CS 359	26. Use an integrated development environment to write, compile, run, and test simple object-oriented Java programs. 27. Read and make elementary modifications to Java programs that solve real-world problems.

		28. Validate input in a Java program.
Python Programming	CS 3510	29. Develop logic for problem solving • Determine the methods to create and develop Python programs by utilizing the data • Structures like lists, dictionaries, tuples and sets. • To be familiar about the basic constructs of programming such as data, operations, conditions, loops, functions etc. • To write python programs and develop a small application 30. project
Blockchain Technology	CS 3511	31. Learn the fundamentals of Blockchain Technology. 32. Learn Blockchain programming 33. Basic knowledge of Smart Contracts and how they function.
Course Outcomes : TYBSc(C.S.) SEM-VI		
Course Name	Code	Course Outcomes
Operating Systems-II	CS 361	34. Management of deadlocks and File System by operating system 35. Scheduling storage or disk for processes 36. Distributed Operating System and its architecture and the extended features in mobile OS.
Software Testing	CS 362	37. To understand various software testing methods and strategies. 38. To understand a variety of software metrics, and identify defects and managing those defects for improvement in quality for given software. 39. To design test cases and test plans, review reports of testing for qualitative software. 40. To understand latest testing methods used in the software industries.
Web Technologies – II	CS 363	41. Build dynamic website. 42. Using MVC based framework easy to design and handling the errors in dynamic website.
Data Analytics	CS364	43. Use appropriate models of analysis, assess the quality of input, and derive insight from results. 44. Analyze data, choose relevant models and algorithms for respective applications 45. Understand different data mining techniques like classification, prediction, clustering and association rule mining 46. Apply modeling and data analysis techniques to the

		solution of real-world business problems
Object Oriented Programming using Java – II	CS 365	47. To access open database through Java programs using Java DataBase Connectivity (JDBC) and develop the application. 48. Understand and Create dynamic web pages, using Servlets and JSP. 49. Work with basics of framework to develop secure web applications
Compiler Construction	CS 366	50. Understand the process of scanning and parsing of source code. 51. Learn the conversion code written in source language to machine language. 52. Understand tools like LEX and YACC.
Practical Course based on CS - 361	CS 367	➤ Management of deadlocks by operating system ➤ File System management ➤ Disk space management and scheduling for processes
Practical Course based on CS - 363 and CS – 364	CS 368	➤ Build dynamic website. ➤ Using MVC based framework easy to design and handling the errors in dynamic website.
Practical Course based on CS - 365	CS 369	➤ To Learn database Programming using Java ➤ Understand and create dynamic web pages using Servlets and JSP. ➤ Work with basics of framework to develop secure web applications
Software Testing Tools	CS 3610	53. To understand various software testing methods and strategies. 54. To understand a variety of software metrics and identify defects and managing those defects for improvement in quality for given software. 55. To design test cases and test plans, review reports of testing for qualitative software. 56. To understand latest testing tools used in the software industries

Maratha Vidya Prasarak Samaj's
KGDM Arts Commerce & Science College Niphad
DEPARTMENT OF GEOGRAPHY

Course Outcomes/ Programmer Outcomes/ programmer Specific Outcomes

A) Program Outcomes

B.A. Geography

Geography mainly concerns changes in spatial attributes in a temporal perspective. The Honors programme in geography is tailored to meet the students' specific educational and professional goals in mind. It focuses on spatial studies, qualitative as well as quantitative, and emphasizes on human-environment relationship. During the first year of the programme, the students are trained on advanced concepts of physical and human geography. The third year allows them to concentrate on specific areas of the subject, on which they complete their field reports. After completing the course, the students will be amply prepared for professional careers in geography and allied disciplines like GIS and Remote Sensing. They will also be able to pursue M.A/M.Sc. Course in Geography.

B) Programme specific Outcomes

- 1. Physical Geography:** The students will be familiar with the physical characteristics of the earth. Students will be aware of the geomorphic processes that shape the earth. They will be able to correlate physical attributes of the earth with the human attributes.
- 2. Human Geography:** Students will understand the importance of human activities on the earth. They will understand the impact of human activities on the environment. Students will also understand the reasons of cultural differences amongst the different cultures.
- 3. Ability to solve problems:** They will understand the problems arising due to physical and cultural differences. They will also solve the problems arising due to these differences.
- 4. Conduct Socio-economic surveys:** Students will know how to conduct social and economic surveys for the analysis of a specific problem.
- 5. Application of surveying instruments:** Students will learn the application of modern surveying instruments such as Dumpy Level, Theodolite etc.
- 6. Application of modern GIS and map making tools:** Students will learn the use of modern techniques like GIS and other cartographic techniques.
- 7. Enhancement in the ability conduct research:** Students will be capable of undertaking a research problem and conduct research in the field of Geography.
- 8. Understand the environmental problems:** Students will be able to understand the environmental problems.

C) Course Outcomes

Subject	Programmer Specific Outcomes
F. Y. B. A. Geography Course Gg110 (A): Physical Geography	1. The student who successfully completes this course can able to: 2. Explain principal terms, definitions, Concept and theories of geomorphology. 3. Discuss development of micro to mega scale landforms. 4. Identify different Materials of the earth crust, rock types, and types of weathering, mass movements and types of slope. 5. Describe importance of latitude, longitude and the reasons why different countries have different time zone and date. 6. Apply knowledge of basic landforms from tectonic, volcanic, fluvial and coastal environments. 7. Evaluate exogenous and endogenous processes in the landscape, their importance in landform development, and distinguish the mechanisms that control these processes. 8. The student who successfully completes this course can able to 9. Explain principal terms, definitions, Concept and theories of geomorphology. 10. Discuss development of micro to mega scale landforms. 11. Identify different Materials of the earth crust, rock types, and types of weathering, mass movements and types of slope 12. Describe importance of latitude, longitude and the reasons why different countries have different time zone and date

Course Gg110 (B): Human Geography	1. The student will understand the basic concepts of human geography. 2. The course will also explain the causes of population growth. 3. The student will understand the process of urbanization 4. Increase the knowledge of agriculture and will understand the problems of agriculture.
S. Y. B. A. Geography Course Gg-210 (A): Environment Geography- I (General - 2)	1. To create the awareness about dynamic environment among the student. 2. To acquaint the students with fundamental concepts of environment geography for development in different areas. 3. The students should be able to integrate various factors of Environment and dynamic aspect of Environmental geography. 4. To make aware the students about the problems of environment, their utilization and conservation in the view of sustainable development
Course Gg-210 (B): Environment Geography- II, (General - 2)	1. To create awareness about dynamic environment among the students. 2. To acquaint students with the fundamental concepts of Environment Geography. 3. To acquaint students about the past, presents and future utility and potentials of natural resources. 4. To make aware students about the problems of environment, its utilization and conservation in the view of sustainable development
Course Gg.220 (A): Geography of Maharashtra (S-1)	1.To acquaint students with Geography of our State. 2. To make students aware of the magnitude of problems and prospects in Maharashtra. 3. To help students understand the inter relationship between the subject and the society. 4. To help students understand the recent trends in regional studies.
Gg. 201 (A) Practical Geography-I (S-2)	1. To introduce the basic concepts in Practical Geography 2. To enable students to use various Scales and Projection Techniques in Geography. 3. To acquaint students with the utility of various Projections in Geographical knowledge.

	4. To explain the elementary and essential principles of practical work in Geography. 5. Develop practical skill and use of map scale and projection. 6. To make students aware of the new techniques, accuracy and skills of map making.
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Gg. 201 (B) Practical Geography-I (S-2)	1. To introduce the students to the basic and contemporary concepts in Cartography. 2. To acquaint the students with the utility and applications of various Cartographic Techniques. 3. To introduce the latest concepts regarding the modern cartography in the field of Geography. 4. To explain the elementary and essential principles of practical work in Geography. 5. Develop practical knowledge and application of cartographical techniques. 6. To make students aware of the new techniques, accuracy and skills of Map Making
T.Y.B.A. Geography Course Gg 310: Human Geography (G-3)	1. Describe nature of man-environment relationship and human capability. 2. Explain conditions of living of human beings from primitive life to the modern era. 3. Explain human evolution and different races existed since the beginning of living life. 4. Describe different tribes and their culture in different geographical areas. 5. Explain causes and effect of migration of mankind. 6. Analyses relationship between population and available resources. 7. Identify and explain spatial distribution pattern of population and environment
Course Gg: 320 Agriculture Geography (S-3)	1. Explain principal terms, definitions, nature and scope of Agriculture Geography 2. Discuss fundamental concept, land use, crops, agricultural production and Development, determinants of agricultural activities, physical determinants, and socio-economic determinants. 3. Explain different types of agriculture. 4. Discuss problems and prospects of agriculture with Indian examples. 5. Demonstrate knowledge of irrigation and watershed management. 6. Evaluate allied areas in agriculture and agricultural development.

Gg-301 Techniques of Spatial Analysis (S-4)	1. Identify different methods of Relief Representation. 2. Describe basic of Statistical data and the skill of data representation. 3. Apply Remote Sensing Techniques in Geography. 4. Interpret top sheet/ map, aerial photographs and analysis of topo sheet/ map, aerial Photographs. 5. Conduct Survey of socio-economic conditions of a village and geomorphologic field investigation and report writing.
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T.Y.B.A. Geography Practical Geography – I (Techniques of Spatial Analysis) Practical Geography – II (Techniques of Spatial Analysis, Surveying and Excursion / Village Project Report	6. Identify different methods of Relief Representation. 7. Describe basic of Statistical data and the skill of data representation. 8. Apply Remote Sensing Techniques in Geography. 9. Interpret top sheet/ map, aerial photographs and analysis of topo sheet/ map, aerial Photographs. 10. Conduct Survey of socio-economic conditions of a village and geomorphologic field investigation and report writing.
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A) Program Outcomes

B.A. Geography

Geography mainly concerns changes in spatial attributes in a temporal perspective. The Honors programme in geography is tailored to meet the students' specific educational and professional goals in mind. It focuses on spatial studies, qualitative as well as quantitative, and emphasizes on human-environment relationship. During the first year of the programme, the students are trained on advanced concepts of physical and human geography. The third year allows them to concentrate on specific areas of the subject, on which they complete their field reports. After completing the course, the students will be amply prepared for professional careers in geography and allied disciplines like GIS and Remote Sensing. They will also be able to pursue M.A/M.Sc. Course in Geography.

B) Programme specific Outcomes

- 9. Physical Geography:** The students will be familiar with the physical characteristics of the earth. Students will be aware of the geomorphic processes that shape the earth. They will be able to correlate physical attributes of the earth with the human attributes.
- 10. Human Geography:** Students will understand the importance of human activities on the earth. They will understand the impact of human activities on the environment. Students will also understand the reasons of cultural differences amongst the different cultures.
- 11. Ability to solve problems:** They will understand the problems arising due to physical and cultural differences. They will also solve the problems arising due to these differences.
- 12. Conduct Socio-economic surveys:** Students will know how to conduct social and economic surveys for the analysis of a specific problem.
- 13. Application of surveying instruments:** Students will learn the application of modern surveying instruments such as Dumpy Level, Theodolite etc.
- 14. Application of modern GIS and map making tools:** Students will learn the use of modern techniques like GIS and other cartographic techniques.
- 15. Enhancement in the ability conduct a research:** Students will be capable of undertaking a research problem and conduct a research in the field of Geography.
- 16. Understand the environmental problems:** Students will be able to understand the environmental problems.

C) Course Outcomes

Subject	Programmer Specific Outcomes
F. Y. B. A. Geography Course Gg110 (A): Physical Geography	1. The student who successfully completes this course can able to: 2. Explain principal terms, definitions, Concept and theories of geomorphology. 3. Discuss development of micro to mega scale landforms. 4. Identify different Materials of the earth crust, rock types, and types of weathering, mass movements and types of slope. 5. Describe importance of latitude, longitude and the reasons why different countries have different time zone and date. 6. Apply knowledge of basic landforms from tectonic, volcanic, fluvial and coastal environments. 7. Evaluate exogenous and endogenous processes in the landscape, their importance in landform development, and distinguish the mechanisms that control these processes. 8. The student who successfully completes this course can able to 9. Explain principal terms, definitions, Concept and theories of geomorphology. 10. Discuss development of micro to mega scale landforms. 11. Identify different Materials of the earth crust, rock types, and types of weathering, mass movements and types of slope 12. Describe importance of latitude, longitude and the reasons why different countries have different time zone and date

Course Gg110 (B): Human Geography	5. The student will understand the basic concepts of human geography. 6. The course will also explain the causes of population growth. 7. The student will understand the process of urbanization 8. Increase the knowledge of agriculture and will understand the problems of agriculture.
S. Y. B. A. Geography Course Gg-210 (A): Environment Geography- I, (General -2)	1. To create the awareness about dynamic environment among the student. 2. To acquaint the students with fundamental concepts of environment geography for development in different areas. 3. The students should be able to integrate various factors of Environment and dynamic aspect of Environmental geography. 4. To make aware the students about the problems of environment, their utilization and conservation in the view of sustainable development
Course Gg-210 (B): Environment Geography- II, (General -2)	1. To create awareness about dynamic environment among the students. 2. To acquaint students with the fundamental concepts of Environment Geography. 3. To acquaint students about the past, presents and future utility and potentials of natural resources. 4. To make aware students about the problems of environment, its utilization and conservation in the view of sustainable development
Course Gg.220 (A): Geography of Maharashtra (S-1)	1.To acquaint students with Geography of our State. 2. To make students aware of the magnitude of problems and prospects in Maharashtra. 3. To help students understand the inter relationship between the subject and the society. 4. To help students understand the recent trends in regional studies.
Gg. 201 (A) Practical Geography-I (S-2)	1. To introduce the basic concepts in Practical Geography

	2. To enable students to use various Scales and Projection Techniques in Geography. 3. To acquaint students with the utility of various Projections in Geographical knowledge. 4. To explain the elementary and essential principles of practical work in Geography. 5. Develop practical skill and use of map scale and projection. 6. To make students aware of the new techniques, accuracy and skills of map making.
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Gg. 201 (B) Practical Geography-I (S-2)	1. To introduce the students to the basic and contemporary concepts in Cartography. 2. To acquaint the students with the utility and applications of various Cartographic Techniques. 3. To introduce the latest concepts regarding the modern cartography in the field of Geography. 4. To explain the elementary and essential principles of practical work in Geography. 5. Develop practical knowledge and application of cartographical techniques. 6. To make students aware of the new techniques, accuracy and skills of Map Making
T.Y.B.A. Geography Course Gg 310: Human Geography (G-3)	15. Describe nature of man-environment relationship and human capability. 16. Explain conditions of living of human beings from primitive life to the modern era. 17. Explain human evolution and different races existed since the beginning of living life. 18. Describe different tribes and their culture in different geographical areas. 19. Explain causes and effect of migration of mankind. 20. Analyses relationship between population and available resources. 21. Identify and explain spatial distribution pattern of population and environment

Course Gg: 320 Agriculture Geography (S-3)	13. Explain principal terms, definitions, nature and scope of Agriculture Geography 14. Discuss fundamental concept, land use, crops, agricultural production and Development, determinants of agricultural activities, physical determinants, and socio-economic determinants. 15. Explain different types of agriculture. 16. Discuss problems and prospects of agriculture with Indian examples. 17. Demonstrate knowledge of irrigation and watershed management. 18. Evaluate allied areas in agriculture and agricultural development.
Gg-301 Techniques of Spatial Analysis (S-4)	11. Identify different methods of Relief Representation. 12. Describe basic of Statistical data and the skill of data representation. 13. Apply Remote Sensing Techniques in Geography. 14. Interpret top sheet/ map, aerial photographs and analysis of topo sheet/ map, aerial Photographs. 15. Conduct Survey of socio-economic conditions of a village and geomorphologic field investigation and report writing.

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KGDM Arts Commerce & Science College Niphad

DEPARTMENT OF GEOGRAPHY

Academic Year 2024-25

Course Outcomes/ Programmer Outcomes/ programmer Specific Outcomes

Objectives of the B.A. Geography Programme 1. To familiarize students with fundamentals concepts and principles of Geography 2. To guide students in an identification and analysis of various facets of geographical features and processes. 3. To enhance students ability in spatial analysis, relationship between people, places and environment. 4. To develop critical thinking and problem-solving skills, analytical and scientific reasoning, reflective thinking, moral & reflective awareness amongst the students. 5. To facilitate the students to learn skills of cartographic techniques, data analysis and interpretation, carrying out field work, use of Geoinformatics techniques, research projects, applications and applied studies. Programme Specific Outcomes: B.A. Geography Sr. No. PSO Statement : After completing the B.A. in Geography, Students will be able to Knowledge and Skills PSO 1 Illustrate the geographical concepts and theories, practicals, regional approach focus on global, continental, countrywide and statewide Disciplinary knowledge PSO 2 Understanding the ethical consideration in geographic research and environment values in developing sustainable resolves Moral & ethical awareness PSO 3 Interpret the spatial relationships between places, people and environment Spatial analysis skills PSO 4 Apply geographic knowledge and skills to solve real-world problems and issues Critical thinking & Problem Solving Ability PSO 5 Analyze and interpret spatial data using GIS, Remote sensing and cartographic techniques Analytical reasoning / digitally literacy PSO 6 Appraise geographic issues and regional to global perspectives in the context of sustainability Scientific reasoning PSO 7 Capability to design, conduct and present field work/survey projects and research projects Research related skills/self-relative learning PSO 8 Develop team work and leadership qualities through seminars, outdoor practicals, field work and study tours Team work /leadership qualities PSO 9 Evaluate human impacts on environment and develop sustainable resolves Reflective thinking/ PSO 10 Creating skills for professional careers in the field of environmental management, rural development, urban planning, geospatial technologies, cartography, field survey techniques, disaster management, tourism sector etc Preparation for livelihoods/lifelong learnings Savitribai Phule Pune University B.A. Geography Syllabi w.e.f. 2024-25 Page: 6 Structure of the Programme The detailed frame work of Undergraduate (B.A.) Degree Progra

C) Course Outcomes

Subject	Programmer Specific Outcomes
GEO-101-T Introduction to Physical Geography	1. To acquaint students with basic principles of Physical Geography 2. To introduce the processes and patterns in the atmosphere, hydrosphere and lithosphere. 3. To develop scientific insights into dynamics of the earth system. By the end of this course, student will be able to: CO 1 : Understand fundamental concepts, theories and approaches of Physical Geography CO 2 : Recognize functions of complex interactive earth systems. CO 3 : Demonstrate scientific explanation of physical processes of the atmosphere, hydrosphere and lithosphere. CO 4 : Describe diverse human activities in changing natural environment.

Practical's in Physical Geography	1. ctives of the Course: To acquaint students with methods of relief representation 2. To develop skills of students in interpreting contour maps, landforms and other relief CO 1 : Identify different methods of relief representation CO 2 CO 3 : : Apply both qualitative and quantitative methods in representing and interpreting geographical features Draw and recognized relief and landform through contour pattern in the field.
Geography of Tourism	To understand the diverse nature and broad scope of Tourism Geography. 2. To provide students with a broad understanding of recent and emerging types of tourism. 3. To gain insights into specialized forms of tourism and understand their characteristics and sustainability considerations associated with them. 4. To explore the socio-cultural determinants of tourism. 5. To classify and analyse diverse tourism trends, enabling the students the dynamic nature of the tourism industry. CO 1 : Understand of the definition, nature, and scope of tourism. CO 2 : Recognize and articulate the economic, social, and cultural importance of tourism. CO 3 : Categorize tourism based on nationality, understanding the distinctions between domestic and international tourism. CO 4 : Analyze the impact of physical determinants such as relief, climate, forests, and water bodies on tourism development and experiences. CO 5 : Identify and evaluate the influence of relig

Introduction to Human Geography	To create awareness amongst students regarding the fundamental concepts of Human Geography, including its meaning, nature and scope. 2. To understand the branches of Human geography i.e. Population Geography, Settlement Geography and Agriculture Geography. 3. To explore different types and patterns of settlement. 4. To understand the types of agriculture with problems. CO 1 : Define and explain the meaning, nature and scope of Human Geography. CO 2 : Discuss the different branches of Human Geography CO 3 : Appreciate the growth, distribution and composition of population in India CO 4 : Analyze the types and patterns of rural settlements
S. Y. B. A. Geography Course Gg-210 (A): Environment Geography- I, (General -2)	1. To create the awareness about dynamic environment among the student. 2. To acquaint the students with fundamental concepts of environment geography for development in different areas. 3. The students should be able to integrate various factors of Environment and dynamic aspect of Environmental geography. 4. To make aware the students about the problems of environment, their utilization and conservation in the view of sustainable development
Course Gg-210 (B): Environment Geography- II, (General -2)	1. To create awareness about dynamic environment among the students. 2. To acquaint students with the fundamental concepts of Environment Geography. 3. To acquaint students about the past, presents and future utility and potentials of natural resources. 4. To make aware students about the problems of environment, its utilization and conservation in the view of sustainable development

Course Gg.220 (A): Geography of Maharashtra (S-1)	1.To acquaint students with Geography of our State. 2. To make students aware of the magnitude of problems and prospects in Maharashtra. 3. To help students understand the inter relationship between the subject and the society. 4. To help students understand the recent trends in regional studies.
Gg. 201 (A) Practical Geography-I (S-2)	1. To introduce the basic concepts in Practical Geography 2. To enable students to use various Scales and Projection Techniques in Geography. 3. To acquaint students with the utility of various Projections in Geographical knowledge. 4. To explain the elementary and essential principles of practical work in Geography. 5. Develop practical skill and use of map scale and projection. 6. To make students aware of the new techniques, accuracy and skills of map making.

Gg. 201 (B) Practical Geography-I (S-2)	1. To introduce the students to the basic and contemporary concepts in Cartography. 2. To acquaint the students with the utility and applications of various Cartographic Techniques. 3. To introduce the latest concepts regarding the modern cartography in the field of Geography. 4. To explain the elementary and essential principles of practical work in Geography. 5. Develop practical knowledge and application of cartographical techniques. 6. To make students aware of the new techniques, accuracys and skills of Map Making
T.Y.B.A. Geography Geography of Disaster Management-I (G-3)	22. Describe nature of man-environment relationship and human capability. 23. Explain conditions of living of human beings from primitive life to the modern era. 24. Explain human evolution and different races existed since the beginning of living life. 25. Describe different tribes and their culture in different geographical areas. 26. Explain causes and effect of migration of mankind. 27. Analyses relationship between population and available resources. 28. Identify and explain spatial distribution pattern of population and environment
T.Y.B.A. Geography Geography of India – I (S-3)	19. Explain principal terms, definitions, nature and scope of Agriculture Geography 20. Discuss fundamental concept, land use, crops, agricultural production and Development, determinants of agricultural activities, physical determinants, and socio-economic determinants. 21. Explain different types of agriculture. 22. Discuss problems and prospects of agriculture with Indian examples. 23. Demonstrate knowledge of irrigation and watershed management. 24. Evaluate allied areas in agriculture and agricultural development.
Geography of Disaster Management-II	
Geography of India –II	

T.Y.B.A. Geography Practical Geography – I (Techniques of Spatial Analysis) Practical Geography – II (Techniques of Spatial Analysis, Surveying and Excursion / Village Project Report	16. Identify different methods of Relief Representation. 17. Describe basic of Statistical data and the skill of data representation. 18. Apply Remote Sensing Techniques in Geography. 19. Interpret top sheet/ map, aerial photographs and analysis of topo sheet/ map, aerial Photographs. 20. Conduct Survey of socio-economic conditions of a village and geomorphologic field investigation and report writing.
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