

Lokmanya Tilak Mahavidyalaya Wadwani Tq. Wadwani Dist Beed (M S)

Program Outcome

Our college is committed to its students learning and success. Educational process and outcomes are aimed at transformational learning that support students all round and holistic development. The college has clearly stated Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution through website which is intended to help prospective students and others to evaluate the college educational goals and student outcomes of the education we provide. The vision, mission and objectives of the institution are clearly displayed on website, prospectus and at the main entrance of the college. The staff and students are made aware of the aims and objectives and Program outcomes through meetings, orientation programs for teachers, staff members and students. University and affiliated colleges organize workshops on new syllabus and give insights on Program outcomes and course outcomes/objectives and communicate the same to the teachers. University states Program outcomes and course outcomes/objectives along with syllabus. At the college level concern teachers go through the syllabus and frames some outcomes/ objectives and communicate to the students.

Program outcomes: (B.A. /B.Sc. / B.Com.)

- **Critical Thinking:** Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.
- **Effective Communication:** Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
- **Social Interaction:** Elicit views of others, mediate disagreements and help reach conclusions in group setting.
- **Effective citizenship:** Demonstrate empathetic social concern and equity centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.
- **Ethics:** Recognize different value systems including your own, understand the moral

dimensions of your decisions, and accept responsibility for them.

- Environment and Sustainability: Understand the issues of environmental context and sustainable development.
- Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes.
- Employability: After completion of the programme students become employable on the basis of their qualification, acquired knowledge and skills.
- Leadership Quality: In the graduation and post-graduation programme students are inculcated moral and ethical values, managerial skills, adoptability, problem solving, taking initiative, decision making, risk taking to make them confident leader.
- Entrepreneurship: Programme generates the qualities of entrepreneur and helps them to establish their own business rather than entering in the job sector.
- Application of knowledge: the ability to review, present and interpret quantitative and qualitative information to: (a) Develop lines of argument (b) make sound judgment in accordance with the major theories, concepts and methods.
- The ability uses a basic range of established techniques to a) Analyze information and; b) Evaluate the appropriateness of different approaches to solving problems.
- Knowledge of Methodologies: An understanding of methods of enquiry or creative activity that enable the students to:
 - Evaluate the appropriateness of different approaches to solving problems using well established ideas and techniques; and devise and sustain arguments or solve problems using these methods.
- Depth and breadth of knowledge:
 - General knowledge and understanding of many key concepts, methodologies, theoretical approaches and assumptions in a discipline.
 - Broad understanding of some of the major fields in a discipline
 - Ability to gather, review, evaluates and interprets information.
 - Detailed knowledge in an area of the discipline.
 - Critical thinking and analytical skills inside and outside the discipline.
 - All round holistic development of each student.

- Students get opportunities to deliberate on various alternatives and get informed to make choices so that they learn to become independent.
- Students become well equipped with various skills so that they become ready to face the challenges of life.
- Students will be able to think and make an inquiry into the socio-economic and political problems.
- General knowledge and understanding of many key concepts, methodology, theoretical approaches and assumptions in a discipline will be acquainted.
- Understand the nature and basic concepts of the respective subjects.
- Analyze the relationship of different courses
- Understand the applications of social sciences, languages and commerce.
- Understand the laws, theories and cases related to practical approaches of commerce.

BA English: POS/COS

- Critically and analytically read works of literature produced in many different cultures and historical periods.
- Employ a variety of methods to respond to, evaluate, analyze, and understand literary and nonliterary texts.
- Examine various literary techniques that writers use in constructing their texts, and demonstrate an understanding of these techniques.
- Demonstrate, through discussion and writing, an understanding of significant cultural and societal issues presented in literature.
- Apply critical and technical vocabulary to describe and analyze, and formulate an argument about, literary and other texts.
- Write clearly and effectively in a variety of forms, adapting writing and analytical skills to all situations.
- Identify and evaluate appropriate research sources, incorporating the sources into documented academic writing, and formulate original arguments in response to those sources.

- Recognize and write in accordance with a standardized system (such as MLA) for formatting research papers and citing resources.
- Adapt literary, critical, and oral skills to communicate effectively in business and graduate school environments.
- Appreciate literature as a source of practical wisdom, aesthetic pleasure, and knowledge of the diversity of human experience.

BA Marathi POS/COS

- To develop interest in Marathi literature.
- To develop awareness about life through the study of literature.
- To increase creativity in constructing different literary forms.
- To develop sensitivity and respect towards regional and folk literature.
- To provide basic and essential knowledge in Marathi Grammar, History of Literature and Social and Cultural History of Maharashtra
- To teach and crate knowledge of the poetry, short stories, drama and prose.

B.A Hindi POS/COS

- To create interest in Hindi literature.
- To provide basic and essential knowledge in Hindi Grammar, History of Literature and Social and Cultural History of India.
- To develop awareness about life through the study of literature.
- To increase creativity in constructing different literary forms.
- To develop sensitivity and respect towards regional and folk literature.
- To teach and crate knowledge of the poetry, short stories, drama and prose.

B.A. Political Science POS/COS

- At the end of the course the students will be able to understand the theories and concepts of Political Science.
- The students will be able to think and make an inquiry into the socio-economic and political problems.
- The awareness will be created among the students about the changing nature of the international relations.
- Students will acquire the knowledge about the Indian constitution and they will follow

the ethics, values and duties prescribed by the constitution. They will understand the nature and working procedure of Government India and will be well acquainted with the politics of India.

- Student will be able to understand and explain the political ideologies and ideas which are broadly considered as political creeds usually termed „Political Ideology“
- Student will be able to understand the basic concepts of Research.
- The awareness will be created among the students about the latest and scientific techniques of research.
- They will be able to recognize and acquire modern trends in Political research.
- 10.Help students achieve competence in understanding, critically assessing, and using major political concepts.

B.A. Sociology POS/COS

- Provide instruction to enable students to understand human behavior within a social context.
- Make students knowledgeable consumers and producers of research applicable to social problems or issues
- Introduce students to the varied theoretical perspectives of sociology.
- Encourage in students an appreciation and respect for cultural diversity in societies..
- Student can examine the roles and responsibilities of individuals, groups, and institutions in larger society, displaying understanding of the complex relationships between human behavior and the social context; and
- Student can analyze human behavior within a social context from different perspectives.
- To develop competency in understanding, critically assessing, and using major sociological concepts.
- Student will be able to define major sociological concepts involved in understanding social behavior, interaction and organization; and apply major sociological concepts to specific situations.
- Students will be able to use the concepts, to organize and make sense of what they find in specific situations and use specific situations to exemplify, amplify, and critique major sociological concepts.
- Student will be able to understand the basic concepts of Research.

B.A. History POS/COS

- Student will be able to learn a basic narrative of historical events in a specific region of the world.
- Student can distinguish primary and secondary sources.
- Understand and evaluate historical ideas, arguments, and points of view.
- Evaluate competing interpretations and multiple narratives of the past.
- Student will be able to assess primary historical evidence.
- Student will be able to compile a bibliography.
- Student can present clear and compelling arguments, based on critical analysis of diverse historical sources, and effectively communicate his interpretations in written essays and/or other media.
- To develop a research question and complete a well-supported piece of historical writing about it.

B.A. Public Administration POS/COS

- Develop the conceptual foundation requisite for success in Public Administration careers.
- Establish the ability to function effectively in complex, culturally diverse Organizational structures.
- Expand and evolve to meet changing regional needs.
- Promote student commitment to ethical standards of managerial practice.
- Understand the basic concepts of Indian democracy and Public Administration.
- General concept of Public Administration and Bureaucracy.
- Understanding knowledge of human resource management.
- Understanding knowledge of public budgeting and finance.
- Understanding knowledge of policy analysis.
- Understanding knowledge of information management and technology.
- Understanding how administrative responsibility, accountability, efficiency, diversity,

And team work within the context of government and nonprofit public service programs.

B. A. Economics POS/COS

- Develop the ability to explain core economic terms, concepts, and theories.
- Demonstrate the ability to employ the “economic way of thinking.”
- Demonstrate awareness of global, historical, and institutional forces.
- Apply economic theories and concepts to contemporary social issues, as well as Formulation and analysis of policy.
- Recognize the role of ethical values in economic decisions.
- Apply both oral and written communication skills within the discipline.
- Demonstrate quantitative reasoning skills.
- Demonstrate the ability to collect, process, and interpret data, including statistical Inference.
- Demonstrate computer proficiency within economics.
- Be able to use critical thinking skills within the discipline of economics about economic matters.
- Develop an awareness of career choices for undergraduate economic majors, and the options for graduate study.

B.Sc. Pos/Cos

Chemistry

- Understand the scope, methodology and application of modern chemistry.
- Study theoretical and practical concepts of instruments that are commonly used in most chemistry field.
- Plan and conduct scientific experiments and record the result of such experiments.
- Get acquainted with safety of chemicals, transfer, and measurement of chemicals, preparation of solution and using physical properties to identify compound and chemical reactions.
- Describe how chemistry is useful to solve social, economic, and environmental problem and issues facing our society in energy medicine and health.
- Explain periodic properties of element; understand formation of ionic bonding and factors affecting ionic bond relation.
- Interpret aromaticity and based on that distinguish aromatic, and non-aromatic compounds able to know the true Benzene and its electrophilic substitution reaction.
- Describe synthesis and chemical reaction alkyl, halides aryl halides and alcohol.
- Understand covalent – bonding metallic bonding and describe of molecule with regular and distorted geometry by using VSEPR theory and know about gravimetric analysis.
- Understand the phenomena of Nuclear Magnetic Resonance Spectroscopy and Rotational Spectroscopy.

Physics Pos/Cos

- Develop Scientific and temperament and give emphasis on the development of experimental skills, data analysis, calculation, measurement and also on the limitations and precautions about the experimental method data and results obtained.
- Understand the conceptual development of the subject for the application of it to emerging physics course like-physics, Nuclear – physics, Nano -technology etc.
- Understand theories of physics and its relevance in present context.
- Study the strength of equation, format graphs, and mathematical tools to solve the problems.
- Make models and circuits through the study of digital electronics.
- Explain the concept of Gravitation and planetary motion with rotational motion of rigid body and moment of inertia and concept of linear and angular momentum.
- Understand basic network theorems and working of different instruments through different circuits.
- Understand semiconductor physics and devices like diode LED, FET, OP-AMP, with the study of special theory of relativity.
- Understand failures of classical mechanic through the study of quantum mechanics.

Mathematics Pos/Cos

- Solve complex problems by critical understanding analysis and synthesis.
- Demonstrate & understand the common body of knowledge in maths and demonstrate the ability to apply analytical theoretical skill to model & to solve the mathematical problem.
- Use basic definition in linear & Abstract Algebra & Real Analysis and to simple consequence of this definition.
- Critically interpret data , write reports and apply the basic rules of evidence.
- Provide a systematic understanding of the concepts and theories of mathematics and its application in the real world- to an advance level and enhance carrier prospects in a huge array of field.
- Understand the concepts of hyperbolic and inverse hyperbolic function, de-movers theorem and its application .
- Study and understand definition of the limit of function, basic properties of limits, continuous functions and classification discontinuities.

- Study second orders linear differential equations with constant coefficients, homogeneous linear different ordinary equation reducible to homogeneous differential equations.
- Study group and its definition subgroup, cyclic group permutations groups as well as ring, sub ring, integral domain integral domain.
- Study vector space: Linear transformations. Dual spaces, Linear product spaces modules, its definitions, examples and properties .

Botany Pos/Cos

- Study and understand Medicinal plants and use its knowledge for earning source.
- Explore flora
- Preserve the rare medicinal plants.
- Create awareness about plant propagation
- Use the knowledge of bio-fertilizers.
- Study the cryptogamous plants and their diversity in aquatic ecosystem and the role of fungi in food industry.
- Do systematic study of plants and their classification and identify the significance of angiosperms plants .
- Study and understand the role of cell biology, Genetics, molecular biology and Biotechnology
- Study and understand plant biochemistry, physiology and Ecology.
- Study the role of microbes in Agriculture medicine and industry.

Zoology Pos/Cos

- Study the theory of human evaluation
- Understand the basic difference between plant and animal
- Study and understand various system adaptation and dentition in mammals
- Study of creation of life by cell
- Create health awareness in the society.
- The completion of the course students are able to:
- Study and understand the evolutionary history of phylum chordate.

- Understand the techniques used for the study of blood corpuscles and the meaning of osmotic pressure.
- Study and understand the various systems and human being and other animal.
- Study of Ecosystem and biodiversity.
- Study and understand medicinal plants and use its knowledge for earning source.
- Explore flora
- Preserve the rare medicinal plants
- Create awareness about plant propagation.
- Use the knowledge of bio-fertilisers.
- study and understand plant biochemistry, physiology and Ecology.
- Study the role of microbes in Agriculture medicine and industry.

Computer Science Pos/Cos

- Understand the knowledge of operating system in reality.
- Study data structure and its principles
- Learn different programming languages as per the requirements r security
- study and understand the importance of cyber software fields.
- Study the different roles and the features of operation system.
- Study and understand history and basics of computer
- Develop programming skills.
- Understand how to design web site using HTML language which is useful in internet computing
- Know about data structure and basic algorithmic notation.
- Get acquaint with the knowledge of operation system.

Microbiology Pos/Cos

- Understand general characteristics and classification of microorganisms
- Understand the physiological and environmental adaptations of microorganisms and the molecular aspects of microbial cells.
- Understand the applicability and significance of microorganisms in the field of health, food, industry, agriculture and environment.
- Carry out standard laboratory techniques in the field of environmental, medical, agricultural and industrial microbiology.

- To gain a preliminary understanding about the history and developments in Microbiology
- To familiarize with microbiology techniques.
- To develop interest in control measures of pathogens and other microbes.
- To develop interest the chemistry of life.
- To familiarize in a with applied aspects of development of Genetic engineering
- To familiarize with immunological techniques.
- To gain a preliminary understanding about environmental Microbiology.

B.Com. Pos/Cos

- Student will understand emerging issues in business, trade and commerce regarding recording, maintaining and presenting the accounting and financial facts as well as audit procedures.
- Student will aware about the emerging issues of Marketing Management and well acquainted with the new innovative practices in marketing.
- Student will understand basic tax concepts, procedures and Legislation pertaining to Direct and Indirect Tax System.
- Student will be developed and promoted for entrepreneurship programme.
- Student will be improved their logical reasoning ability and interpretation of various statistical results and understand mathematical calculations.
- Employability of students in banking, financial and other economic sector will be developed.
- Student will be well acquainted with the overall development of Human Resources and its Management in organizations.
- Student will understand various rules, regulations and laws regarding Companies Act and able to work in corporate sector with rules and regulations.
- Student will understand theoretical concepts in Research methodology and acquired skills regarding corporate research.
- Students will familiarize with banking and practical uses of banking and will get the fundamental knowledge of insurance.
- Student will be aware about the practical approaches of e-commerce.