Anekant Education Society's
TULJARAM CHATURCHAND COLLEGE
OF ARTS, SCIENCE & COMMERCE, BARAMATI

Program Outcomes (POs) for B.A Programme

PO1	**Research-Related Skills:** Seeks opportunity for research and higher academic achievements in the chosen field and allied subjects and is aware about research ethics, intellectual property rights and issues of plagiarism. Demonstrate a sense of inquiry and capability for asking relevant/appropriate questions; ability to plan, execute and report the results of an research project be it in field or otherwise under supervision.
PO2	**Effective Citizenship and Ethics:** Demonstrate empathetic social concern and equity centred national development; ability to act with an informed awareness of moral and ethical issues and commit to professional ethics and responsibility.
PO3	**Social competence:** Express oneself clearly and precisely to build good interpersonal relationships in personal and professional life. Make effective use of linguistic competencies to express themselves effectively in real and virtual media. Demonstrate multicultural sensitivity in group settings.
PO4	**Disciplinary Knowledge:** Demonstrate a blend of conventional discipline knowledge and its applications to the modern world. Execute strong theoretical and practical understanding generated from the chosen programme.
PO5	**Personal and professional competence:** Equip with strong work attitudes and professional skills that will enable them to work independently as well as collaboratively in a team environment.
PO6	**Self-directed and Life-long learning:** Acquire the ability to engage in independent and life-long learning in the broadest context of socio-technological change.
PO7	**Environment and Sustainability:** Understand the impact of the scientific solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development.
PO8	**Critical Thinking and Problem solving:** Exhibit the skill of critical thinking and use higher order cognitive skills to approach problems situated in their social environment, propose feasible solutions and help in its implementation.

Program Outcomes (POs) for B.Voc. Programme

PO1	**Disciplinary Knowledge:** Demonstrate comprehensive knowledge of one or more disciplines that form a part of an undergraduate B.Voc programme Execute strong theoretical and practical understanding generated from the chosen B.Voc programme.
PO2	**Critical Thinking and Problem solving:** Exhibit the skill of critical design thinking and use them to predict a range of creative solutions towards a design problem, evaluate them and choose the most appropriate options.
PO3	**Social Competence Exhibit thoughts and ideas effectively in writing and orally;** communicate with others using appropriate media, build effective interactive and presenting skills to meet global competencies and connect to people individually or in group settings.
PO4	**Research-Related Skills:** Demonstrate a sense of inquiry and capability for asking relevant/appropriate questions; ability to plan, execute and report the results of an experiment Employ knowledge of the avenues for research and higher academic achievements in the chosen field and allied subjects and aware about research ethics, intellectual property rights and issues of plagiarism.
PO5	**Personal and Professional competence:** Perform independently and participates in team activities and demonstrates cooperation. Integrate enthusiasm and commitment to improve personal and team performance levels and build skills to achieve the goals.
PO6	**Effective Citizenship and Ethics :** Demonstrate empathetic social concern and equity centred national development; ability to act with an informed awareness of moral and ethical issues and commit to professional ethics and responsibility.
PO7	**Environment and Sustainability:** Understand the impact of the scientific solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development.
PO8	**Self-directed and Life-long learning:** Acquire the ability to engage in independent and life-long learning in the broadest context of socio-technological changes
PO9	**Trans-disciplinary Research competence:** Create new conceptual, theoretical, methodological innovations that integrate and transcend beyond discipline-specific approaches to address a common problem.

Program Outcomes (POs) for B.Com. Programme

PO1	**Knowledge and Critical Thinking :** Acquire skills in organising, analysing, evaluating and presenting information. Able to analysis issues logically, consider different options and viewpoints, make decisions and act with flexibility, adaptability and creativity.
PO2	**Communication Skill :** Able to communicate effectively, analyse the concepts and participate in healthy arguments and portray skill in communication and in writing. Possess skills related with banking and other business.
PO3	**Independent learning :** Demonstrate the ability to acquire knowledge and business skills, the capacity for self directed activity and the ability to work independently.
PO4	**Leadership quality :** Exhibit qualities associated with leadership such as accountability, integrity, respect, self reflection
PO5	**Teamwork:** Able to work constructively, cooperatively, effectively and respectfully as part of a team.

Program Outcomes (POs) for B.Sc Programme

PO1	**Disciplinary Knowledge:** Demonstrate comprehensive knowledge of the disciplines that form a part of a graduate programme. Execute strong theoretical and practical understanding generated from the specific graduate programme in the area of work.
PO2	**Critical Thinking and Problem solving:** Exhibit the skills of analysis, inference, interpretation and problem-solving by observing the situation closely and design the solutions.
PO3	**Social competence:** Display the understanding, behavioural skills needed for successful social adaptation , work in groups, exhibit thoughts and ideas effectively in writing and orally
PO4	**Research-related skills and Scientific temper :** Develop the working knowledge and applications of instrumentation and laboratory techniques. Able to apply skills to design and conduct independent experiments, interpret, establish hypothesis and inquisitiveness towards research.
PO5	**Trans-disciplinary knowledge:** Integrate different disciplines to uplift the domains of cognitive abilities and transcend beyond discipline-specific approaches to address a common problem
PO6	**Personal and professional competence:** Performing dependently and also collaboratively as a part of a team to meet defined objectives and carry out work across interdisciplinary fields. Execute interpersonal relationships, self-motivation and adaptability skills and commit to professional ethics.
PO7	**Effective Citizenship and Ethics:** Demonstrate empathetic social concern and equity centred national development, and ability to act with an informed awareness of moral and ethical issues and commit to professional ethics and responsibility.
PO8	**Environment and Sustainability:** Understand the impact of the scientific solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development.
PO9	**Self-directed and Life-long learning:** Acquire the ability to engage in independent and life-long learning in the broadest context of socio-technological changes.

Program Outcomes (POs) for B.Sc. (Comp.Science) Programme

PO1	**Computer Knowledge :** Apply the knowledge of mathematics, statistics and computer fundamentals to IT application
PO2	**Design / Development of solution :** Design solution for IT applications using latest technologies and develop and implement the solutions using various latest languages.
PO3	**Modern tool usage :** Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modelling to complex IT applications with an understanding of the limitations.
PO4	**Environment and sustainability :** Understand the impact of the IT analyst solutions in societal and environmental contexts, and demonstrate the knowledge and need for sustainable development.
PO5	**Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice
PO6	**Individual and Team work :** Function effectively as an individual, and as a member or leader in diverse team, and in multidisciplinary settings.
PO7	**Innovation, employability and Entrepreneurial skills :** Identify opportunity, pursue that opportunity to create value and wealth for the betterment of the individual and society at large. Develop the capacity to study and research independently that will help to develop skills for transition to employment in hardware/software companies.

Program Outcomes (POs) for B.B.A. (Computer Application) Programme

PO1	**Knowledge:** To understand and apply the fundamental principles, concepts, and methods in diverse areas of computer science, computer applications, management, mathematics, statistics, etc.
PO2	**Problem analysis:** Identify, analyze and formulate complex real-life computing problems. Attain substantiated conclusions to solve the problems using fundamental principles of computer science and application domains by using various tools and emerging technologies
PO3	**Design and Development:** Design and develop efficient solutions for complex real-world computing problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety and the cultural, societal, and environmental considerations.
PO4	**Conduct investigations of complex problems:** Ability to research, analyze and investigate complex computing problems through the design of experiments, analysis, and interpretation of data, and synthesis of the information to arrive at valid conclusions.
PO5	**Modern Tool Usage:** Create, identify and apply appropriate techniques, skills, and modern computing tools to computing activities
PO6	**Ethics and Social Responsibility:** Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practices.
PO7	**Communication:** Able to use interpersonal skills and communicate effectively with the professionals and with society to convey technical information effectively and accurately and able to comprehend and write effective reports, design documentation, and make effective presentations.
PO8	**Individual and Team Work:** Ability to work effectively as an individual, and as a member or leader as per need in, multidisciplinary teams.
PO9	**Life-Long Learning:** Recognize the need and have the ability to engage in independent continuous reflective learning in the context of technological advancement.
PO10	**Innovation, employability, and Entrepreneurial skills:** Identify opportunities, and pursue those opportunities to create value and wealth for the betterment of the individual and society at large.
PO11	**Project Management:** Understand and apply computing, management principles to manage projects

Program Outcomes (POs) for Bachelor of Business Administration (BBA) Programme

PO1	**Professional readiness:** Demonstrate professional readiness through comprehensive decision making abilities, professional business skills, relevant technological aptitude, time management skills, and an understanding of their practice within local and national networks.
PO2	**Creativity, adaptability and critical thinking :** Able to think critically and creatively, able to adapt to a range of contexts. Possess intellectual curiosity and able to apply the knowledge gained in solving problems to be faced in day-to day life.
PO3	**Autonomy, self-awareness and ethical understanding :** Graduates demonstrate intellectual autonomy, initiative, self awareness and academic integrity. Ensure and academic integrity. Ensure empathy and intercultural understanding. Able to work and collaborate with people of diverse ages, genders, backgrounds and different levels of experience.
PO4	**Effective Communication:** Graduates have the ability to effectively communicate complex ideas, emotions and human experiences. They are also adept in communicating verbally and in writing in a variety of contexts and to a range of audiences, for instance, scholarly writing, artist talks, applications to funding bodies and academic conferences.
PO5	**Computer Literacy :** Able to make appropriate and effective use of information a and information technology relevant to their discipline.
PO6	**Innovation, Leadership and Entrepreneur skills :** Function as an individual, and as a member or leader in diverse teams and in multidisciplinary settings. Become an entrepreneur by acquiring technical, communicative, problem solving, intellectual skills.

Program Outcomes (POs) for M.Sc Programme

PO1	**Disciplinary Knowledge:** Demonstrate comprehensive knowledge of the discipline that forms a part of a postgraduate programme. Execute strong theoretical and practical understanding generated from the specific programme in the area of work.
PO2	**Critical Thinking and Problem solving:** Exhibit the skill of critical thinking and understand scientific texts and place scientific statements and themes in contexts and also evaluate them in terms of generic conventions. Identify the problem by observing the situation closely, take actions and apply lateral thinking and analytical skills to design the solutions.
PO3	**Social competence:** Exhibit thoughts and ideas effectively in writing and orally; communicate with others using appropriate media, build effective interactive and presenting skills to meet global competencies. Elicit views of others, present complex information in a clear and concise way and help reach conclusions in group settings.
PO4	**Research-related skills and Scientific temper :** Infer scientific literature, build a sense of enquiry and able to formulate, test, analyse, interpret and establish hypothesis and research questions; and to identify and consult relevant sources to find answers. Plan and write a research paper/project while emphasizing on academics and research ethics, scientific conduct and creating awareness about intellectual property rights and issues of plagiarism.
PO5	**Trans-disciplinary knowledge:** Create new conceptual, theoretical and methodological understanding that integrates and transcends beyond discipline-specific approaches to address a common problem.
PO6	**Personal and professional competence:** Perform independently and also collaboratively as a part of a team to meet defined objectives and carry out work across interdisciplinary fields. Execute interpersonal relationships, self-motivation and adaptability skills and commit to professional ethics.
PO7	**Effective Citizenship and Ethics:** Demonstrate empathetic social concern and equity centred national development, and ability to act with an informed awareness of moral and ethical issues and commit to professional ethics and responsibility.
PO8	**Environment and Sustainability:** Understand the impact of the scientific solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development.
PO9	**Self-directed and Life-long learning:** Acquire the ability to engage in independent and life-long learning in the broadest context of socio-technological changes.

Program Outcomes (POs) for M.Com. Programme

PO1	**Knowledge and Critical Thinking :** Knowledgeable of domestic and international economic and organisational environments. Acquire skills in organising, analysing, evaluating and presenting information skills, necessary for analysis of a range of problems in economics, actuarial studies, accounting, marketing, management and finance.
PO2	**Problem solving :** Able to analyse issues, logically, consider different options and viewpoints, make decisions and act with flexibility, adaptability and creativity. Analyse organisational problems and generate realistic solutions.
PO3	**Communication skills :** Able to communicate effectively, analyse the concepts and participate in healthy arguments and portray skill in communication and in writing.
PO4	**Independent Learning :** Demonstrate the ability to acquire knowledge and business skills, the capacity for self directed activity and the ability to work independently.
PO5	**Leadership quality – Global and multicultural perspective :** Exhibit qualities associated with leadership such as accountability, integrity, respect, self-reflection. Respect for diversity and have an appreciation of the cultural, legal, social and environmental factors that affect, and are affected by, business operations.
PO6	**Teamwork :** Able to work collaboratively, constructively, cooperatively, effectively and respectfully as part of a team.
PO7	**Ethical Responsibility :** Knowledge of ethics and ethical standards and an ability to apply these with a sense of responsibility within the workplace and community.

Program Outcomes (POs) for M.A Programme

PO1	**Research-Related Skills and Scientific temper:** Infer scientific literature, build a sense of enquiry and be able to formulate, test, analyse, interpret and establish hypothesis and research questions; and to identify and consult relevant sources to find answers. Able to plan and write a research paper/project while emphasizing on academics and research ethics, scientific conduct and creating awareness about intellectual property rights and issues of plagiarism.
PO2	**Effective Citizenship and Ethics:** Demonstrate empathetic social concern and equity centred national development and act with an informed awareness of moral and ethical issues and commit to professional ethics and responsibility
PO3	**Social competence and communication skills:** Demonstrate ability to accommodate the views of others and present their own opinions and complex ideas, in written or oral form, in a clear and concise manner in group settings. Exhibit thoughts and ideas effectively in writing and orally; communicate with others using appropriate media, build effective interactive and presenting skills to meet global competencies. Elicit views of others, present complex information in a clear and concise and help reach conclusion in group settings.
PO4	**Disciplinary Knowledge:** Demonstrate comprehensive knowledge and a strong theoretical grounding in their area of work.
PO5	**Personal and professional competence:** Perform independently and also collaboratively as a part of a team to meet defined objectives and carry out work across interdisciplinary fields. Execute interpersonal relationships, self-motivation and adaptability skills and commit to professional ethics.
PO6	**Self-directed and Life-long learning:** Demonstrate attitudes of being a life-long learner who passionately pursues self determined goals in the broadest context of socio-technological changes. Acquire the ability to engage in independent and life-long learning in the broadest context of socio technological changes.
PO7	**Environment and Sustainability:** Understand the impact of the scientific solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development.
PO8	**Critical Thinking and Problem solving:** Identify problems by closely examining the situations around them and think holistically about the phenomena and generate viable solutions to these problems. Exhibit the skill of critical thinking and understand scientific texts and place scientific statements and themes in contexts and also evaluate them in terms of generic conventions. Identify the problem by observing the situation closely, take actions and apply lateral thinking and analytical skills to design the solutions.

Programme Outcomes (PO) for M.Sc.(Comp.Sci.) Programme

PO1	**Programme Knowledge:** Demonstrate broad knowledge of the programme. Execute strong theoretical and practical understanding originated from the specific programme in the area of work.
PO2	**Social Competence and sustainable development:** Exhibit process of thinking and ideas practically in writing and orally, communicate with others, build effective interactive and presentation skills to achieve global competencies. Understand the influence of the scientific solutions in societal and environmental contexts and demonstrate the need for sustainable development.
PO3	**Critical thinking and problem solving:** Exhibit the skill of critical thinking. Identify the problem by observing the situation closely, take actions and applying analytical skills towards designing the solutions.
PO4	**Personal and professional competence:** Perform on your own and also collaboratively as a team member to meet defined objectives. Execute interpersonal relationships, self-motivation and commit to professional ethics.
PO5	**Scientific temper:** Plan and write a research paper/project while emphasizing on academics and research ethics, scientific conduct and bringing awareness about intellectual property rights and issues related to plagiarism.
PO6	**Self-motivated continuous technology oriented learning:** Develop the ability to engage in independent and continuous learning in the context of technological changes.
PO7	**Effective citizenship and ethics:** Demonstrate empathetic social concern and fair and impartial national development and be aware about moral and ethical issues and commitment to professional ethics and responsibility.

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