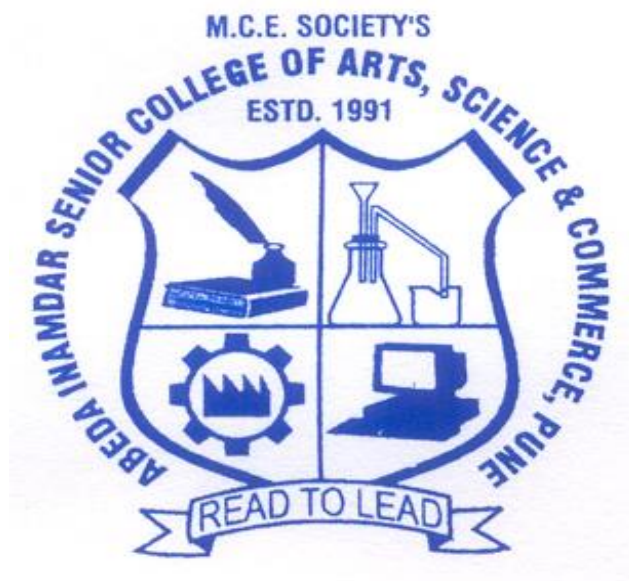


# **PROGRAM OUTCOMES**

## **FACULTY OF ARTS, SCIENCE AND COMMERCE**



M.C.E. Society's  
ABEDA INAMDAR SENIOR COLLEGE OF ARTS, SCIENCE AND  
COMMERCE (AUTONOMOUS), PUNE

**With effect from June 2021**

## **B. A. Program Objectives and Outcomes**

### **Program Objectives**

1. To develop a conscience towards social responsibility, human values and sustainable development through curriculum delivery and extra-curricular activities.
2. To develop strong fundamental knowledge of the subject.
3. To develop analytical thinking and problem-solving skills needed for various entrance and competitive examinations and Post Graduate Studies.
4. To train students in soft skills needed for job placement.

### **Program Outcomes**

- 1) The student will be able to use the knowledge of the humanities in a variety of contexts in everyday life.
- 2) The student will be able to formulate positions on a wide range of social, political and economic problems and be able to state their opinions and engage effectively in a discussion.
- 3) The students will be eligible to appear for various competitive examinations and pursue higher education.
- 4) The student will be able to use the knowledge and skills gained through the study of social sciences to use the past to understand contemporary issues, to challenge inaccurate or unsupported claims, to make careful comparisons across time and space, and to take informed positions as responsible citizens of the country .
- 5) The student will be able to coordinate, assimilate and bring together the various fields of knowledge and experiences provided to him/her to be an asset to society.

### **B.A. Political Science Program Specific Outcomes**

Students completing the requirements for a B.A. degree in Political Science will be able to:

1. Participate as a civically engaged member of society;
2. Gain expertise and proficiency in reading, writing and critical thinking;
3. Analyze political and policy problems and formulate policy options;

4. Use electronic and traditional library resources to research key local, state, national and international policy issues and present results;
5. Demonstrate critical thinking, including the ability to form an argument, detect fallacies, and marshal evidence about key issues of public policy and politics;
6. Discuss the major theories and concepts of political science and its subfields.

**B.A. English Program Specific Outcomes:**

1. The student would be able to master the four skills of Listening, Speaking, Reading and Writing (LSRW).
2. The student will be able to be a proficient user of the English language and use the skills imbibed to gain proficiency in the day-to-day language specific transactions astutely.
3. The student should be able to put forth their views after due research into the cause and effects of events, have an informed opinion and articulate their views.
4. The student should be able to comprehend and analyse various forms of literature like prose, poetry, drama and fiction. They will learn and use techniques and concepts for in-depth analysis in their field.
5. The students will be equipped with critical faculties necessary in an academic environment, on the job, and in an increasingly complex, interdependent world.

## **B.A. Sociology Program Specific Outcomes**

By the time of graduation, students who complete B.A in Sociology can:

1. Identify general patterns of social life by looking at concrete examples of social life.
2. Learn a new way of looking at familiar patterns of social life.
3. Learn institutions, culture, population composition, population policy, Indian society and culture of India which help to develop a sense of ethical and social responsibilities among students.
4. Create a widespread social awareness and social thinking.
5. Facilitate listening to different voices and may be evolving common ground as a basis for discussions.
6. Enables to assess both the opportunities and the constraints of practical life.

## **B.A. Urdu Program Specific Outcomes**

**After Completion of B.A Urdu the students will be able to:**

1. Understand the Basic Concepts, Terminologies of Urdu and be effective communicators in Urdu.
2. Understand the Classical, Medieval & Modern forms of Poetry.
3. Enhance the Analytical, Critical and comparative studies.
4. Enhance the Creative Writing Skills like: Poetry, Short Story Writing, Essays, Screen Play, Fiction and Non Fiction.

## **B.A. Psychology Program Specific Outcomes**

### **After Completion of B.A. Psychology the students will:**

1. Develop a holistic and multi-dimensional understanding of the subject
2. Have the ability to approach new areas of learning.
3. Find various avenues for self-discovery, academic understanding and employment
4. Have professional ethics and values.
5. Be able to use psychological assessment tools.
6. Develop an understanding of real-life issues and participates in programs and practices in the social context.
7. Be sensitive to the differing needs of varied cultural groups.
8. Have developed critical thinking as well as communication and presentation skills
9. Is prepared for further studies in post graduate programs

## **B.A. Economics Program Specific Outcomes**

### **After Completion of B.A. Economics the students will:**

1. Understand economic theories and functioning of basic microeconomic and macroeconomic systems.
2. Understand theoretical and analytical aspects involved with advanced economic theories and concepts.
3. To apply economic theory to real world issues and also to our daily life.
4. Will be familiar with the collection, organization, tabulation and analysis of empirical data.
5. To critically analyze and evaluate economic issues in the country and around the world.
6. Students will know the principles for valuation of environmental quality, quantification of environmental damages, tools for evaluation of environmental projects such as cost-benefit analysis and environmental impact assessments.
7. Students will be understand the basic issues of Indian economy and learn the basic concept of monetary analysis and financial system in Indian financial markets.
8. To apply both oral and written communication skills within the discipline.

## **M.A. Program Objectives:**

1. To develop social responsibility, human values and sustainable development through curriculum delivery and extra-curricular activities.
2. To develop strong fundamental knowledge of the subject.
3. To develop analytical thinking and problem-solving skills needed for various entrance and competitive examinations and Post Graduate Studies.
4. To inculcate multidisciplinary perspective in the students.
5. To update the students with the needs of the industry and society with respect to their subject of specialization.

## **M.A. Program Outcomes:**

After completing the M. A. Program, the students will:

1. know the basics and applied aspects of the subject of specialization.
2. be competent to pursue higher studies, research or pursue a career in the subject of specialization.
3. develop sensitivity towards social issues and become productive citizens of the nation.
4. The student should be able to articulate complex understandings of the processes of world events and policies in the long and short-term, by combining interdisciplinary, theoretical, and historical perspectives with cross-cultural knowledge and advanced language training.
5. The student would be able to understand group dynamics and work in a team.
6. The student should be able to apply the holistic experience of learning in the practical world beset with problems.



### **M.A. Political Science Program Specific Outcomes:**

1. To develop comprehensive understanding of the subject by teaching both conventional and new areas of relevance in the domain of political theory and philosophy, Indian politics, comparative politics, public administration and international politics.
2. To develop comprehensive and interdisciplinary knowledge by emphasizing inter-linkages between various political, economic and social issues and challenges.
3. Demonstrate competency with basic tools underlying modern social science research including competency in statistics and qualitative analysis.
4. Deliver thoughtful and well-articulated presentations of research findings.
5. M.A Dissertation and its viva-voce will be also introduced to train the students in writing research papers.

### **M.A. English Program Specific Outcomes:**

1. The student will have inculcated skills to conduct independent Research in the Humanities.
2. The student would make effective presentations combining visual communication with effective oral content.
3. The student should be able to read texts and other media critically, to analyze evidence, arguments, and competing interpretations, and to challenge assumptions and values that are factually incorrect be it in the historical, social or political field.
4. The student should be able to conduct minor research projects individually and in group work under time and resource constraints. They should be able to identify, explain and use concepts, theories, models and data analytic techniques in the same.
5. The student would be able to apply the knowledge and skills learned to be a potential employee in an organization in need of his/her abilities.

## **M.A. Sociology Program Specific Outcomes**

### **Students who complete a major in sociology can:**

1. Develop understanding that studying the human world is very different from studying the physical, biological or material world.
2. Identify an array of basic images that guide thinking and research with the help of different theoretical perspectives.
3. Learn the kind of practical work that sociologists do- along with a sense of the methods they use.
4. Help to create critical, socially aware citizens who can make informed and knowledgeable decisions.
5. Enables to recognize human differences and human sufferings and to confront the challenges of living in a diverse world.
6. Train in qualitative and quantitative research skills and learn how to collect, analyze and interpret findings in sociological research.
7. Will be equipped for careers in administrative services, environmental studies, agrarian studies, government services, non-governmental organizations or academia.

## **M.A. Urdu Program Specific Outcomes**

### **After Completion of M.A Urdu the students will:**

1. Have communication competence in Urdu.
2. Gain the knowledge of major traditions of Urdu literature along with the changing trends.
3. Be able to know about the background, development and history of Urdu Literature and changing trends in Urdu language.
4. Be able to read, write and translate with analytical and comparative skills.
5. Be able to undertake research work in literature.
6. Be able to take up different jobs that require mastery in Urdu.

## **M.A. Economics Program Specific Outcomes**

1. Ability to apply the concepts of micro economics, models and its use in real life situations.
2. Application of microeconomic concepts to small business / ventures.
3. Ability to recognize, apply and analyze concepts and theories in public economics relating to public economics in real life situations.
4. Ability to interpret and apply theory relating to understand international trade and learn, explore new possibilities of trade.
5. Ability to relate to the on-going changes in the banking and financial system in India and exploring new possibilities for job seekers in financial market.
6. Ability to analyze how the economy functions at macroeconomic level and evaluate macroeconomic concepts, models and its use in real life situations.
7. Ability to develop, demonstrate, evaluate and examine subject areas in economics and explore possibilities of research.
8. Enhancement of Research skills like Data Interpretation, Presentation skills, Problem solving skills etc.
9. Ability to develop an understanding of the economics of environment and various analytical tools to comprehend environmental issues.
10. Ability to crack Competitive Exams.

## **B. Sc. Program Objectives and Outcomes**

### **Program Objectives:**

1. To develop a conscience towards social responsibility, human values and sustainable development through curriculum delivery and extra-curricular activities.
2. To develop scientific temperament with strong fundamental knowledge of the subject.
3. To develop analytical thinking and problem-solving skills needed for various entrance and competitive examinations and Post Graduate Studies.
4. To train students in laboratory skills and handling equipment along with soft skills needed for placement.

### **Program Outcomes:**

- 1) The students will graduate with holistic development.
- 2) The students will be qualified to continue higher studies in their subject.
- 3) The students will be eligible to appear for various competitive examinations and pursue higher education.
- 4) The students will be able to apply for the jobs with a minimum requirement of B. Sc. Program.

## **B.Sc. Chemistry Program Specific Objectives and Outcomes**

### **Program Specific Objectives:**

The B.Sc. Chemistry Program will enable the students

PSOB-1. To develop fundamental understanding of Principles of Chemistry as a discipline.

PSOB-2. To understand various laws, concepts, formulae and develop problem solving skills in Chemistry.

PSOB-3. To familiarize with advance level Chemistry and applications required for higher studies.

PSOB-4. To get hands on training on various instruments and develop skills needed in Chemistry lab.

### **B.Sc. Chemistry Program Specific Outcomes:**

After successful completion of B.Sc. Chemistry Course student will have:

PSOC-1. Fundamental knowledge of theory and practical courses in Chemistry.

PSOC-2. Understanding of structures, reactivity and mechanism and problem-solving skills.

PSOC-3. Knowledge and confidence to pursue higher studies in Chemistry.

PSOC-4. Skills in laboratory techniques and experience in instrument handling.

### **B.Sc. Environmental Science Program Specific Objectives and**

#### **Outcomes Program Specific Objectives:**

The B.Sc. Environmental Science Program will enable the students;

PSOB-1. To develop basic understanding of Fundamentals of Environmental Science as a discipline.

PSOB-2. To bring sensitization towards the environment and also increase student competency & employability.

PSOB-3. To inculcate a sense of responsibility among students about various principles and laws of environment

PSOB-4. To encourage students about applicability of knowledge and Interdisciplinary approach in day today's life.

#### **B.Sc. Environmental Science Program Specific Outcomes:**

After successful completion of B.Sc. Environmental Science Program, student will have:

PSOC-1. Fundamental and Advanced knowledge of theory and practical courses in Environmental science.

PSOC-2. Students will understand about how the subject knowledge helps in solving various social, economic and environment related problem

PSOC-3. Knowledge about various Environmental laws, ISO Series, EMS, Standards and Ethics required in pursuing higher education in the field.

PSOC-4. Knowledge about Environmental (Resource, Energy) Management, Monitoring, introductory aspects of Environmental Biotechnology and Microbiology

PSOC-5. Skills in laboratory techniques and experience in instrument handling

## **B. Sc. (Computer Science) Program Specific Outcome**

After successful completion of B.Sc. Computer Science Program, student will have:

PSOC-1 ability to apply knowledge of computing and mathematics appropriate to the discipline.

PSOC-2 ability to identify, formulate and develop solutions to computational challenges.

PSOC-3 ability to design, implement and evaluate a computational system to meet desired needs within realistic constraints.

PSOC-4 ability to function effectively on teams to accomplish shared computing design, evaluation, or implementation goals.

PSOC-5 understanding of professional, ethical, legal, security and social issues and responsibilities for the computing profession.

PSOC-6 ability to communicate and engage effectively with diverse stakeholders.

PSOC-7 ability to analyze impacts of computing on individuals, organizations and society.

PSOC-8 ability to recognize the need to engage in continuing professional development.

PSOC-9 ability to use appropriate techniques, skills and tools necessary for computing practice.

PSOC-10 ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computational systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.

PSOC-11 ability to apply design and development principles in the construction of software systems of varying complexity

## **B. Sc. Microbiology Program Specific Objectives**

The B.Sc. Microbiology Program will enable the students:

PSOB-1 To learn basic concepts of amazing world of Microorganisms, Techniques in Microbiology, basics of Bacteriology, Cultivation and growth of Micro-organisms.

PSOB-2 To understand concepts of Medical Microbiology, Immunology, Bacterial Physiology, Fermentation Technology, Bacterial Genetics, Air, Water and Soil Microbiology.

PSOB-3 To strengthen the fundamentals of various fields of Microbiology.

PSOB-4 To develop scientific aptitude and motivate students to take up higher studies like MSc microbiology and Research.

PSOB-5 To realize and appreciate the applicability of knowledge and Interdisciplinary approach in everyday life.

## **B. Sc. Microbiology Program Specific Outcome**

After successful completion of B.Sc. Microbiology Course, student will have:

PSOC-1 Understanding of Basic Concepts and Advanced knowledge of theory and practical courses in Microbiology.

PSOC-2 Subject knowledge to solve issues like bioremediation, Waste management and diagnostics.

PSOC-3 Competency in laboratory safety and in routine and specialized microbiological laboratory skills.

PSOC-4 Motivation to involve in research activities, including accurately reporting observations and analysis.

## **B. Sc. Mathematics Program Specific Outcome**

After successful completion of B.Sc. Mathematics Program, student will have:

PSOC-1 understanding of conceptual framework of Mathematics, which will enhance their potential and capabilities in the subject.

PSOC-2 understanding of Theories in the subject with a clearly defined path of interdependence of theoretical and practical aspects.

PSOC-3 knowledge in different areas of Mathematics and at the same time will be able to perceive the underlying interconnections of different branches of Mathematics.

PSOC-4 necessary skills required to job opportunities available for undergraduate students.

PSOC-5 motivation for self-learning and inspiration to go for higher education in the subject.



## **B.C.A. (Science) Program Specific Objectives and Outcomes**

### **Program Specific Objectives:**

B.C.A. (Science) program will:

**PSOB 1** The students will be able to work productively in software industry, academia, research, entrepreneurial pursuit, government, consulting firms and other Information Technology enabled services.

**PSOB 2** They will be able to achieve peer-recognition; as an individual or in a team; by adopting ethics and professionalism and communicate effectively.

**PSOB 3** The student will be equipped for a lifelong professional development in computing that contributes in self and societal growth.

### **Program Specific Outcomes:**

On completion of BCA (Science) degree, the students will be able to:

**PSOC 1:** Analyze the requirements of a computing problem using appropriate algorithms and data structures.

**PSOC 2:** Implement the solution of a computing problem using appropriate programming languages.

**PSOC 3:** Use mathematical underpinnings of the discipline of computer science.

**PSOC 4:** Recognize the ethical, legal and social implications of computing in a global society.

**PSOC 5:** Use oral and written communication skills to convey technical information effectively and accurately.

**PSOC 6:** Use their interpersonal skills when working in a team environment.

**PSOC 7:** Recognize the need for and ability to engage in continuing professional development.

**PSOC 8:** Ability to use appropriate techniques, skills, and tools necessary for computing practice.

## **M. Sc. Program Objectives and Outcomes**

### **Program Objectives:**

1. To develop social responsibility, human values and sustainable development through curriculum delivery and extra-curricular activities.
2. To develop scientific temperament with strong fundamental knowledge of the subject.
3. To develop analytical thinking and problem-solving skills needed for various entrance and competitive examinations and Post Graduate Studies.
4. To train students in laboratory skills and handling equipment along with soft skills needed for placement.
5. To inculcate scientific attitude enriched with a multidisciplinary perspective in the students.
6. To update the students with the needs of the industry and society with respect to their subject of specialization.

### **Program Outcomes:**

After completing the M. Sc. Program, the students will:

1. know the basics and applied aspects of the subject of specialization.
2. be in a position to apply their knowledge in their professional, social and personal life.
3. be competent to pursue research or pursue a career in the subject of specialization.
4. have the knowledge and confidence to pursue higher studies in subject of specialization
5. have skills in laboratory techniques and experience in instrument handling
6. develop sensitivity towards social issues and become productive citizens of the nation.

## **M. Sc. Program Specific Objectives and Outcomes**

### **M.Sc. Analytical Chemistry Program Specific Outcome**

After completing the M. Sc. Program, the students will:

1. know fundamental aspects of Elements of Analytical chemistry from industrial point of view.
2. learn about the potential uses of analytical chemistry in polymer and industry.
3. Apply appropriate analytical techniques for the qualitative and quantitative analysis of chemicals in laboratories and industries as well.
4. have ability to handle/use appropriate tools/techniques/equipment with an understanding of the standard operating procedures, safety aspects/limitations.
5. be able operate various Advanced analytical technique such HPLC, Chromatography, GC, Colorimetry and CV.
6. be able to interpret the spectral data obtained from various techniques like TGA, XRD, SEM, TEM, thermal techniques etc.

7. be able to synthesized and characterize Nano particles and Nano materials.
8. have skills in doing experiments with accuracy and precision and will be able to understand the different errors and methods for minimizing errors.

### **M.Sc. Organic Chemistry Program Specific Outcome**

After completing the M. Sc. Program, the students will:

1. be able to gain knowledge in classical organic laboratory techniques and be able to use modern instrumentation, so that they can perform new experiments.
2. be able to integrate knowledge learned in organic Chemistry to various Industry and Pharmaceutical needs.
3. learn about the potential uses of retro-synthetic analysis, medicinal chemistry, natural products chemistry and green chemistry.
4. have knowledge in organic synthesis, modern synthetic reagents, coupling reaction, multicomponent synthesis and Click chemistry reaction etc.
5. be able to Understand Advanced spectroscopic techniques, stereochemistry, Designing organic synthesis and basics of computer added drug designing as well.
6. be able to shoulder responsibilities in R & D labs.
7. acquire the ability to synthesize, separate and characterize compounds using laboratory and instrumentation techniques.
8. be able to interpret the data obtained from various spectral techniques, through theoretical principals.
9. able to apply knowledge of organic chemistry in research problems.
10. have research opportunities to pursue Ph.D. Program through CSIR-NET and other competitive examinations.
11. have job opportunities at all level of chemical, pharmaceutical, food products and life-oriented material industries.

### **M.Sc. Microbiology Program Specific Objectives**

Objectives to be achieved:

To enrich students' knowledge and train them in the pure microbial sciences

To introduce the concepts of mathematics in biology

To inculcate research aptitude

To inculcate sense of scientific responsibilities and social and environment awareness

To help students build-up a progressive and successful career in Microbiology

### **M.Sc. Microbiology Program Specific Outcome**

After completing the M. Sc. Program, the students will:

1. be familiarized to versatile tools and techniques employed in genetic engineering and recombinant DNA technology.
2. have understanding of the concepts of Mathematics in Biology
3. develop research aptitude and carry out academic and applied research.
4. have theoretical and practical understanding of recent trends in various fields of Microbiology.
5. have an insight on Clinical, Pharmaceutical and Quantitative Microbiology; Molecular biology, Microbial Virus Technology, Molecular Biophysics, Advances in Microbial Technology, Industrial waste water treatment and industrial production of vaccines.

### **M.Sc. (Computer Science) Program Specific Outcome**

After completing the M. Sc. Program, the students will:

1. be technology-oriented with the knowledge and ability to develop creative solutions.
2. be able to develop skills to learn new technology.
3. be able to apply computer science theory and software development concepts to construct computing-based solutions.
4. be able to design and develop computer programs/computer-based systems in the areas related to algorithms, networking, web design, cloud computing, Artificial Intelligence, Mobile applications.
5. have an understanding of professional, ethical, legal, security, and social issues and responsibilities for the computing profession.

**M.Sc. Mathematics Program Specific Outcome**

1. Strengthen the understanding of the students and substantiate the conceptual frame work of the graduates in Mathematics for enhancing their potential and capabilities in the subject.
2. Advanced theories in the subject are introduced in an orderly manner with a clearly defined path of interdependence.
3. Specialization in different areas of Mathematics are introduced and at the same time emphasize the underlying interconnections in different branches of Mathematics.
4. More interest is generated in the subject and students are motivated for self-learning beyond the realm of syllabi and examinations.
5. Inculcating the spirit of inquiry among the students and preparing them to take up research in Mathematics.

## **B.Com. Program Outcomes**

On the successful completion of the B.Com Programme:

**PO1:** Student will develop business acumen and gain a thorough grounding in the fundamentals of Commerce and Trade.

**PO2:** Student will develop managerial, communication and decision making skills needed to participate effectively at personal and professional levels

**PO3:** the program will encourage entrepreneurship spirit among students and will enable them to set up their Start-up ventures.

**PO4:** the program will help student develop the ability to think critically and independently which will help them to take rational decisions.

**PO5:** The program will strengthen students' capacities in varied areas of commerce and industry aiming towards their holistic development.

### **Program Specific Outcomes B. Com. Marketing**

**PSO1:** Student will be able to demonstrate progressive learning of basic concepts of Marketing mix, Product planning and pricing decisions.

**PSO2:** It will familiarize students about the challenges and opportunities for marketing managers in the current business environment.

**PSO3:** Student will be aware about emerging trends in Marketing such as Digital Marketing, Green Marketing and Social Media Marketing.

**PSO4:** Student will have an understanding about the advertising strategies adopted by companies and skilled understanding of the construction of effective advertisement.

**PSO5:** Student will be skilled for Job roles in the field of Marketing and Advertising.

### **Program Specific Outcomes B. Com. Costing**

**PSO1:** Students will develop cost consciousness and be well acquainted with the applications of Cost & Management Accounting knowledge.

**PSO2:** To understand the basic concepts and processes used to determine the product and service cost.

**PSO3:** Students will be aware about the cost accounting standards and its application in the preparation and interpretation of cost accounting statements.

**PSO4:** Students will be able to analyse and evaluate information required for Management Accounting, Planning, Cost ascertainment, Cost control and decision making.

**PSO5:** Students will be trained for Job Roles such as Cost & Management Accountant, Cost Auditor and Tax Administrator.

## **Program Outcome Bachelor of Business Administration (BBA)**

1. The student will have a basic understanding about Management Education among the students.
2. The students will be able to communicate effectively.
3. The students will be well versed in Entrepreneurial skills, financial concepts and other business concepts.
4. The students will be able to work well in teams, including virtual settings.
5. The students will be able to recognize and solve business problems in an ethical manner.
6. The students will be sensitive to societal needs and issues thus making them good human beings and responsible members of the society.

### **Program Specific Outcome B.B.A. (Finance)**

1. Students will learn to interpret and analyse financial statements effectively.
2. They will become well acquainted with current financial practices and with various financial services in India and the financial markets.
3. The students will learn about the practical application of various financial concepts.

### **Program Specific Outcome B.B.A. (Marketing)**

1. The students will have a basic understanding of the processes and skills necessary to be successful in personal selling and insights about recent trends in sales management.
2. The students will have an insight into all functional areas of retailing and the Indian retail scenario. They will learn about the paradigm shifts in retailing business with increasing scope of technology and e-business.
3. They will develop knowledge and understanding of importance and functions of advertising and the key features of Sales Promotion.
4. The students will learn about the practical application of various marketing concepts.

### **Program Specific Outcome B.B.A. (Human Resource Management)**

1. Students will get an understanding of the concept, principles and practices of H.R.M.
2. Students will become familiar with the various HR practices.
3. Students will be aware about the important legal provisions governing the industrial employees.
4. Students will learn about the practical application of various human resource concepts.



## **B.C.A. (Science) Program Specific Objectives and Outcomes**

### **Program Specific Objectives:**

B.C.A. (Science) program will:

**PSOB 1** The students will be able to work productively in software industry, academia, research, entrepreneurial pursuit, government, consulting firms and other Information Technology enabled services.

**PSOB 2** They will be able to achieve peer-recognition; as an individual or in a team; by adopting ethics and professionalism and communicate effectively.

**PSOB 3** The student will be equipped for a lifelong professional development in computing that contributes in self and societal growth.

### **Program Specific Outcomes:**

On completion of BCA (Science) degree, the students will be able to:

**PSOC 1:** Analyze the requirements of a computing problem using appropriate algorithms and data structures.

**PSOC 2:** Implement the solution of a computing problem using appropriate programming languages.

**PSOC 3:** Use mathematical underpinnings of the discipline of computer science.

**PSOC 4:** Recognize the ethical, legal and social implications of computing in a global society.

**PSOC 5:** Use oral and written communication skills to convey technical information effectively and accurately.

**PSOC 6:** Use their interpersonal skills when working in a team environment.

**PSOC 7:** Recognize the need for and ability to engage in continuing professional development.

**PSOC 8:** Ability to use appropriate techniques, skills, and tools necessary for computing practice.

## **M.Com. Program Outcomes**

On the successful completion of the M.Com Program:

**PO1:** The Program will help to equip and train Post Graduate students to accept the challenges of business world by providing opportunities for study and analysis of advanced commercial and business methods and processes.

**PO2:** The Program will develop independent logical thinking and facilitate personality development.

**PO3:** The Program will equip the students to seek suitable careers in management and entrepreneurship.

**PO4:** The Program will help to acquaint students with significance of research in business.

**PO5:** The Program will impart skills regarding methods of data collection and their interpretations.

**PO6:** The Program will help to develop communication and analytical skills among students.

### **Program Specific Outcomes: M.Com. Business Administration**

**PSO1:** The Program will help to acquaint the students with the different areas of Business Administration.

**PSO2:** The Program will develop analytical, logical and ethical decision-making skills of students.

**PSO3:** The Program will familiarize students with different current trends and techniques adopted in the field of Production, Finance, Human Resource management, Marketing and Knowledge Management.

**PSO4:** The Program will provide knowledge to students on various issues and challenges that arise in the different areas of Business.

**PSO5:** The Program will develop the overall personality of the students by imparting knowledge and practical skills to the students in the different areas of business and profession.

## **Program Specific Outcomes: M.Com. Advanced Cost Accounting and Cost System**

**PSO1:** The Program will help to make the students aware about the cost accounting standards and its application in the preparation and interpretation of cost accounting statements.

**PSO2:** The Program will enhance the ability of students to develop the concept of Cost Accounting and its significance in the business.

**PSO3:** The Program will enable the students to understand the process of installation of Costing System and to conceptualize the need to integrate financial and Cost Accounts.

**PSO4:** The Program will make the students aware with the relevance of Cost Accounting Data as a part of monitoring various segments of business.

**PSO5:** The Program will enable the students to understand, develop and apply the various Costing techniques in decision making in the corporate world.

**PSO6:** The Program will acquaint the students with the recent trends in Cost Accounting and Cost System.

## **Program Objectives and Outcomes**

### **Bachelor of Vocational (Data Science and Data Analytics)**

#### **Program Objectives**

After completion of B.Voc. (Data Science and Data Analytics) Program students will be able to:

1. Apply quantitative modeling and data analysis techniques to the solution of real-world business problems, communicate findings, and effectively present results using data visualization techniques.
2. Recognize and analyze ethical issues in business related to intellectual property, data security, integrity, and privacy.
3. Apply ethical practices in everyday business activities and make well-reasoned ethical business and data management decisions.
4. Demonstrate knowledge of statistical data analysis techniques utilized in business decision making.
5. Apply principles of Data Science to the analysis of business problems.

#### **B. Voc. Data Science and Data Analytics Program Specific Outcomes**

On completion of B.Voc. (Data Science & Data Analytics) Degree, the students will be able to:

**PSO1:** Students will develop the ability to build and assess data-based models.

**PSO2:** Do Academic and Professional Presentations - Designing and delivering an effective presentation and developing the various IT skills to the electronic databases.

**PSO3:** Use the Systems Analysis Design paradigm to critically analyze a problem. Solve the problems (programming networking database and Web design) in the Information Technology environment. Function effectively on teams to accomplish a common goal and demonstrate professional behavior.

## **B. Voc. Retail Management Program Specific Outcomes**

On the successful completion of the **B.Voc. (Retail Management)** degree program :

**PSO1:** Students will be conversant and fluent in English and will create a positive image of themselves and organization in the customer's mind eventually will resolve customer concern and improve customer relationship.

**PSO2:** Students will understand the concept of marketing and will be exposed to the latest trends of marketing and will promote continuous improvement in the service sector to shape themselves appropriately while behaving in social and professional circles.

**PSO3:** Students will understand the critical need for service orientation in current business scenario and will create a positive image of themselves and the organization in the market. This course will resolve customer concerns and improve customer relationships.

**PSO4:** Students will get a comprehensive understanding of the theoretical and applied aspects of retail management. Students will be able to identify various retail management functions and activities and enable them to understand their importance in satisfying customer needs.

**PSO5:** Students will gain knowledge of basic operation of computers, elements of Internet and Computer Applications which will help them in performing various business activities.