



# CMS COLLEGE OF SCIENCE AND COMMERCE

(AUTONOMOUS)

Affiliated to Bharathiar University, NAAC: Re-Accredited at the "A+" Level

CHINNAVEDAMPATTI, COIMBATORE – 641049.

## PROGRAMME OUTCOME



CMS COLLEGE OF SCIENCE AND COMMERCE  
(AUTONOMOUS)  
CHINNAVEDAMPATTY, COIMBATORE 641 049, TAMILNADU

NAAC -SSR  
CYCLE -IV

CRITERION – I- CURRICULAR ASPECTS  
1.1.1 CURRICULUM DESIGN AND DEVELOPMENT

**1.1.1: Curricula developed and implemented have relevance to the local, regional, national, and global developmental needs, which is reflected in the Programme outcomes (POs) and Course Outcomes (COs) of the Programmes offered by the institution**

S.No	NAME OF THE PROGRAMME	Programme code
1	BACHELOR OF SCIENCE-BIOCHEMISTRY	BBC
2	MASTER OF SCIENCE- BIOCHEMISTRY	MBC
3	BACHELOR OF SCIENCE -BIOTECHNOLOGY	BBT
4	MASTER OF SCIENCE -BIOTECHNOLOGY	MBT
5	BACHELOR OF SCIENCE -MICROBIOLOGY	BMV
6	MASTER OF SCIENCE- MICROBIOLOGY	MMV
7	MASTER OF SCIENCE - APPLIED MICROBIOLOGY	MAMV
8	BACHELOR OF COMMERCE	BCM
9	MASTER OF COMMERCE	MCM
10	BACHELOR OF COMMERCE WITH ACCOUNTING & FINANCE	BCAF
11	BACHELOR OF COMMERCE WITH COMPUTER APPLICATIONS	CCA
12	MASTER OF COMMERCE WITH INTERNATIONAL BUSINESS	M.COM IB
13	BACHELOR OF COMMERCE WITH PROFESSIONAL ACCOUNTING	BCPA
14	BACHELOR OF COMPUTER APPLICATIONS	BCA
15	MASTER OF COMPUTER APPLICATIONS	MCA
16	BACHELOR OF COMPUTER SCIENCE	BCS
17	MASTER OF SCIENCE -COMPUTER SCIENCE	MCS
18	BACHELOR OF SCIENCE- COMPUTER TECHNOLOGY	BCT
19	BACHELOR OF SCIENCE -INFORMATION TECHNOLOGY	BBIT
20	MASTER OF SCIENCE -INFORMATION TECHNOLOGY	MIT
21	BACHELOR OF SCIENCE -CATERING SCIENCE AND HOTEL MANAGEMENT	BCH
22	BACHELOR OF SCIENCE -ELECTRONICS AND COMMUNICATION SYSTEMS	BEL
23	MASTER OF SCIENCE-APPLIED ELECTRONICS	MEL
24	BACHELOR OF ARTS-ENGLISH LITERATURE	BAE
25	MASTER OF ARTS-ENGLISH LITERATURE	MAE
26	BACHELOR OF BUSINESS ADMINISTRATION	BBA

S.No	NAME OF THE PROGRAMME	Programme code
27	BACHELOR OF BUSINESS ADMINISTRATION WITH COMPUTER APPLICATIONS	BACA
28	BACHELOR OF SCIENCE -MATHEMATICS	BSM
29	MASTER OF SCIENCE- MATHEMATICS	MSM
30	BACHELOR OF SCIENCE -PHYSICAL EDUCATION	BPHS
31	MASTER OF SOCIAL WORK	MSW
32	PG DIPLOMA IN FITNESS EDUCATION	PGDPE
33	BACHELOR OF SCIENCE -PSYCHOLOGY	BPSY
34	BACHELOR OF SCIENCE -FOOD SCIENCE & NUTRITION	BFSN
35	BACHELOR OF ARTS-CRIMINOLOGY	BAC
36	BACHELOR OF SCIENCE -DIGITAL & CYBER FORENSIC SCIENCE	BDC
37	BACHELOR OF SCIENCE -ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	BAI
38	MASTER OF SCIENCE-DATA ANALYTICS	MDA



*A. S. Srinivasan*  
PRINCIPAL

**C.M.S. College of Science & Commerce**  
Chinnavedampatti,  
Coimbatore - 641 049



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## SCHOOL OF BIOLOGICAL SCIENCE

DEPARTMENT OF BIOCHEMISTRY

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
B.Sc. Biochemistry	PO1	Acquire a broad-based knowledge in concepts and principles of biochemistry in both theory and practical to enable them to engage in self-employment.
	PO2	Identify local and global issues that need intervention by a Biochemist, and develop intelligent strategies and biochemical approaches in problem solving methods.
	PO3	Acquire a sound knowledge of the clinical principles underlying the application of clinical biochemistry investigations as well as its therapeutics in human disease.
	PO4	Acquire a holistic professional career.
M.Sc. Biochemistry	PO1	Develop problem solving skills, analytical thinking, and be able to handle vast amounts of complex information which leads to gain employment in a variety of career fields.
	PO2	Acquire hands on experience in molecular biology, clinical biochemistry, enzymology, plant biochemistry and other related areas.
	PO3	Understand how modern molecular bioscience approaches can solve key challenges in cell biology, pathology, pharmacology, physiology and genetics.
	PO4	Acquire a sound theoretical knowledge in bioethics, biosafety total quality management, biostatistics to enhance the skills in the project.



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## SCHOOL OF BIOLOGICAL SCIENCE

DEPARTMENT OF BIOTECHNOLOGY

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
B.Sc. Biotechnology	PO1	An ability to apply knowledge of mathematics, science, and computers to biotechnological problems.
	PO2	An ability to design and conduct experiments, to analyze and interpret data in a biotechnology scenario.
	PO3	An ability to function as an individual, and as a member or leader in diverse technical teams (teamwork, practical, mini project and project) to solve issues related to biotechnology.
	PO4	An ability to come out with a suitable solution for a better future through the applications of Biotechnology.
M.Sc. Biotechnology	PO1	The knowledge of contemporary issues.
	PO2	The skill to recognize the need for, and an ability to engage in life-long learning.
	PO3	An ability to function as individuals and as a member or leader in diverse technical teams (teamwork, practical, mini project and project) to solve issues related to biotechnology.
	PO4	The knowledge to qualify GATE, CAT, GRE, TOEFL for higher studies.



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## SCHOOL OF BIOLOGICAL SCIENCE

DEPARTMENT OF MICROBIOLOGY

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
B.Sc. Microbiology	PO1	Acquired knowledge to understand the fundamental concepts in various fields of Microbiology.
	PO2	Improved analytical and technical skills to enhance the employment potential.
	PO3	Implemented the skills to analyse the problems, develop solutions and to become a successful entrepreneur.
	PO4	Developed a holistic professional career in various Microbiological streams.



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## SCHOOL OF BIOLOGICAL SCIENCE

DEPARTMENT OF MICROBIOLOGY

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
M.Sc. Microbiology	PO1	To execute the knowledge to identify social relevant issues and develop a scientific approach through biological research.
	PO2	To improve analytical and technical skills to enhance employment potential and knowledge-based research.
	PO3	To implement skills to analyse the problems, develop solutions and to become a successful entrepreneur.
	PO4	To acquire a holistic professional career in various Microbiological streams.
M.Sc. Applied Microbiology	PO1	To execute the knowledge to identify social relevant issues and develop a scientific approach through biological research.
	PO2	To improve analytical and technical skills to enhance employment potential and knowledge-based research.
	PO3	To implement the skills to analyse the problems, develop solutions and to become successful entrepreneur.
	PO4	Acquire a holistic professional career in hospitals, food and pharmaceutical industries.



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## DEPARTMENT OF COMMERCE

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
B.Com.	PO1	Remember the recent trends and core areas of business accounting methods, systems and techniques.
	PO2	Develop wide knowledge about the different concepts of accounting systems, marketing, finance and modern trends and laws related to business activities.
	PO3	Apply technical and managerial skills to enhance employment potential and to face various business problems.
	PO4	Set up a good professional career and develop as an excellent leader in their career.
M.Com.	PO1	Demonstrate a systematic and conceptual understanding of theory and applications in business and management.
	PO2	Possess an understanding of professional, ethical, legal, financial, marketing, sales, logical security, social issues and responsibilities.
	PO3	Acquire the skill to apply conceptual business principles to solve practical decision-making problems, both individually and as part of team with ability to communicate effectively both in writing and orally.
	PO4	Imbibe ability to face challenging and rewarding careers in business (Successful career and immediate employment).





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## DEPARTMENT OF B.Com. COMPUTER APPLICATIONS

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
B.Com. with Computer Applications	PO1	The students will develop an ability to apply knowledge acquired in problem solving.
	PO2	The students will be ready for employment in functional areas like Accounting, Taxation, Banking and Insurance through the curriculum.
	PO3	Students will exhibit inclination towards pursuing professional courses such as CA/ CS/ ICWA/CFA etc.
	PO4	Apply the knowledge of programming skills, and Information Technology specialization to the solution of complex problems.



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## DEPARTMENT OF COMMERCE (PROFESSIONAL ACCOUNTING, ACCOUNTING & FINANCE)

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
B.Com. with Accounting & Finance	PO1	Develop wide knowledge in core areas, current and emerging trends in accounts and finance.
	PO2	Apply technical skills in problem solving and application development.
	PO3	Formulate analytical and managerial skills to enhance employment potential.
	PO4	Analyze the important concepts of finance and matching it with the economy.
	PO5	Design a holistic professional career.
B.Com. with Professional Accounting	PO1	Develop wide knowledge in core areas, current and emerging trends in accounts and business laws.
	PO2	Apply technical skills in practical auditing and problem solving.
	PO3	Formulate analytical and managerial skills to enhance employment potential.
	PO4	Analyze the important concepts of finance, matching it with the economy and to design a holistic professional career.



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## DEPARTMENT OF COMMERCE (PROFESSIONAL ACCOUNTING, ACCOUNTING & FINANCE)

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
M.Com. International Business	PO1	To understand various functions of trade and commerce.
	PO2	Apply the acquired knowledge and skills in different business situations.
	PO3	Remember the legal aspects of business.
	PO4	To relate the role of finance in the economy and its social obligation in the economy.



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## DEPARTMENT OF COMPUTER APPLICATIONS

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
Bachelor of Computer Applications	PO1	Acquire broad knowledge in core areas of computer applications, current and emerging technologies in IT.
	PO2	Apply technical and managerial skills to solve real world problems.
	PO3	Design system components or processes that meet the specified needs with appropriate consideration to meet the needs of the society.
	PO4	Acquire holistic and professional development with strong emphasis on values and ethics.
Master of Computer Applications	PO1	Apply the knowledge of programming skills, and Information technology specializations to the solution of complex problems.
	PO2	Higher degree of technical skills in problem solving and application development.
	PO3	Analytical and managerial skills to enhance employment potential.
	PO4	Acquire a holistic professional career.



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## DEPARTMENT OF COMPUTER SCIENCE

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
B.Sc. Computer Science	PO1	An ability to analyze a problem, identify and define the computing requirements using operating systems appropriate to its solution and apply the knowledge of computing.
	PO2	An ability to analyze, design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs and to function effectively on teams to accomplish a common goal.
	PO3	An ability to analyze, design the storage and security requirements for software development.
	PO4	Knowledge to develop online and offline projects having remote access to databases, programs and expertise in the current trends or latest industry needs.
M.Sc. Computer Science	PO1	An ability to analyze web based problems, offline problems, identify and define the computing requirements including operating systems appropriate to its solution and apply the knowledge of advanced computing techniques.
	PO2	An ability to analyze, design the storage and security operating requirements, for software development.
	PO3	Knowledge to develop data interpretation skills and classification problems.
	PO4	More expertise in the current trends or latest industry needs.



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## DEPARTMENT OF INFORMATION TECHNOLOGY

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
B.Sc. Information Technology	PO1	To acquire industry specific knowledge.
	PO2	Expertise in Web Technologies.
	PO3	Opportunity for Higher Education and career development.
	PO4	Diverse employability, logical and problem-solving skills.
M.Sc. Information Technology	PO1	Acquire knowledge to master the field.
	PO2	Diverse domains to choose desired career paths.
	PO3	Opportunities for research oriented studies.
	PO4	Immense employment opportunities across the globe.



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## DEPARTMENT OF INFORMATION TECHNOLOGY

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
B.Sc. Computer Technology	PO1	To acquire industry specific knowledge.
	PO2	Expertise in Mobile Technologies.
	PO3	Opportunity for Higher Education and career development.
	PO4	Diverse employability, logical and problem-solving skills.



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## DEPARTMENT OF CATERING SCIENCE AND HOTEL MANAGEMENT

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
B.Sc. Catering Science and Hotel Management	PO1	Acquire knowledge in Hotel Management and Catering Science to meet his day-to-day professional activities.
	PO2	Use the acquired skills to meet the challenge of providing quality service to the guests, in his chosen area of operation.
	PO3	Communicate effectively to be equipped with the right work attitude, and groom acceptably.
	PO4	Grow in his career to reach higher positions in the hospitality industry.





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## DEPARTMENT OF ELECTRONICS

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
B.Sc. Electronics and Communication Systems	PO1	Apply knowledge of mathematics and electronic science.
	PO2	Design and conduct experiments, as well as to analyze and interpret data.
	PO3	Design an electronic system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability.
	PO4	Understand professional and ethical responsibility.
	PO5	To recognize the need for, and an ability to engage in life-long learning.
M.Sc. Applied Electronics	PO1	To understand and analyze the technical basics through analytical thinking.
	PO2	Develop skills to solve problems in electronics using mathematical techniques and scientific knowledge.
	PO3	Employ necessary techniques, hardware and software tools for engineering applications.
	PO4	Synthesize solutions for existing problems within practical constraints to enhance the employment potential and for the career growth.
	PO5	Possess commendable leadership qualities to manage projects in multidisciplinary environments and an ability to adapt to industrial scenario.



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## DEPARTMENT OF ENGLISH

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
B.A. English Literature	PO1	To provide adequate and sound knowledge in the field of English language and Literature to UG students in order to prepare them for innovative, creative and successful careers in a global society.
	PO2	To ascertain in the fields like teaching, Editing, Content Writing, Creative Writing, Journalism, Mass media, and Human Resource Management etc.
	PO3	To produce qualified graduates of English Literature, intern the graduates contribute to the growth, unity and integrity of the society.
	PO4	LSRW skills.
M.A. English Literature	PO1	To comprehend the broad outlines of English Literature through a coherent, chronological approach.
	PO2	To appreciate concepts such as continuity and change and to gain a historical perspective of the growth and development of English Literature over a period of nearly seven hundred years.
	PO3	To provide a profitable link to other allied disciplines such as Linguistics, English Language Teaching, CALL, Film Studies, Gender Studies etc.
	PO4	To enable the students sharpen their critical sensibility through theoretical and practical criticism.



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## SCHOOL OF MANAGEMENT

DEPARTMENT OF MANAGEMENT

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
Bachelor of Business Administration	PO1	To expertise in the knowledge on business with practical exposure to enhance the students to meet the challenges in the corporate environment.
	PO2	To inculcate the entrepreneurship skills among students.
	PO3	To excel in computer skills to adapt to the industry.
	PO4	To equip the students in various aspects on current business knowledge and the requirements of changing corporate needs.
Bachelor of Business Administration with Computer Applications	PO1	To expertise in the knowledge on business with practical exposure to enhance the students to meet the challenges in the corporate environment.
	PO2	To inculcate the entrepreneurship skills among students.
	PO3	To excel in computer knowledge among students to adapt to the industry.
	PO4	To equip the students in various aspects on current business knowledge and the requirements of changing corporate needs.



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## DEPARTMENT OF MATHEMATICS

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
B.Sc. Mathematics	PO1	To acquire the knowledge of mathematics and logical thinking to analyze complex problems.
	PO2	Apply problem solving techniques to solve real world problems.
	PO3	Develop the thinking capability that meets the specified needs of the society.
	PO4	Acquire a holistic professional career.
M.Sc. Mathematics	PO1	To acquire knowledge of mathematics and logical thinking to analyze complex problems.
	PO2	Apply problem solving techniques to solve real world problems.
	PO3	Develop the thinking capability that meets the specified needs with appropriate consideration to meet the needs of the society.
	PO4	Acquire a holistic professional career.



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### DEPARTMENT OF PHYSICAL EDUCATION

#### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
B.Sc. Physical Education	PO1	Acquire a broad knowledge in concepts and principles of physical education and sports both in theory and practical to enable them self to produce healthy.
	PO2	Sound knowledge of the basic principles underlying in physical education and sports and the application of the knowledge for the betterment of the healthy society.
	PO3	To become a professional sports man and coach in a game or discipline.
	PO4	Acquire a holistic professional carrier in physical education and fitness industries.
	PO5	To deal with the individuals personal problems and divert them on right attitude towards the achievement in their life.
PG Diploma in Fitness Education	PO1	To acquire knowledge and insights of various aspects of resistance exercise in the barbells, weight machines and aerobic exercise to the trainees.
	PO2	To become a qualified trainer and fitness educator.
	PO3	To exercise in a way that provides no medical risk and also ensures that they reach their fitness goals quickly.
	PO4	Awareness about his / her personal fitness level.



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## DEPARTMENT OF SOCIAL WORK

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
Master of Social Work	PO1	Wide knowledge on social work in dealing with problems and issues in the society.
	PO2	Skills in different fields for professional competency.
	PO3	Platform for social functioning.
	PO4	Holistic and professional grooming with strong emphasis on values and ethics.



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## DEPARTMENT OF PSYCHOLOGY

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
B.Sc. Psychology	PO1	Acquire broad knowledge in concepts and principles of Psychology in Theory and practical to enable them to engage in Social and personal improvement.
	PO2	Identify local and global issues that need intervention by a Psychologist, and develop Psychology approaches in problem solving methods.
	PO3	Acquire a sound knowledge of the clinical and counseling principles underlying the application of Social problem and personal problems to treat as well as by therapeutics and interventions in human and social problem.
	PO4	Acquire holistic professional careers.



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## DEPARTMENT OF FOOD SCIENCE AND NUTRITION

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
B.Sc. Food Science and Nutrition	PO1	Developed Professional skills in food, nutrition, textiles, product making and human development. Scientific Knowledge- Utilize knowledge from the physical and biological sciences as a basis for understanding the role of food and nutrients in health and disease process.
	PO2	Understand and appreciate the role of interdisciplinary sciences in the development and well-being of individuals, families and communities. Ability to critically think, analyze, evaluate and create new knowledge and skills both in the chosen discipline and across other fields like Food Processing and Preservation, Food Packaging, Community nutrition.
	PO3	Communicate effectively on Food Science & Technology activities with society and able to write effective reports, documentation and to participate in public discourses on varied themes.
	PO4	Ability to function as a matured democratic citizen and as a dietitian to formulate their own personalized product, As a public educator and a freelancer.
	PO5	Understanding of the correlation between food, health and the role of food under specific diseased conditions.





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## DEPARTMENT OF CRIMINOLOGY

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
B.A. Criminology	PO1	Acquired knowledge about the fundamentals of criminology and its opportunities.
	PO2	Acquired skill to investigate, search, document crime scenes.
	PO3	Capability to collect fingerprints and documentary evidence and examine them.
	PO4	Ability to read and understand the latest trends in crimes, legislations, court verdicts and develop skills to analyse and solve them.



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## DEPARTMENT OF DIGITAL AND CYBERFORENSIC SCIENCE

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
B.Sc. Digital and Cyber Forensic Science	PO1	Acquired knowledge in core areas of digital forensic and cyber security.
	PO2	Apply technical and managerial skills to solve real world problems.
	PO3	Design system components or processes that meet the specified needs of the society.
	PO4	Acquire a holistic and professional development with strong emphasis on values and ethics.



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## DEPARTMENT OF INFORMATION TECHNOLOGY

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
B.Sc. Artificial Intelligence and Machine Learning	PO1	To acquire industry specific knowledge.
	PO2	Expertise in Artificial Intelligence and Machine Learning.
	PO3	Opportunity for Higher Education and career growth.
	PO4	Diverse employability, logical and problem solving skills.



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## DEPARTMENT OF COMPUTER SCIENCE

### PROGRAMME OUTCOME

PROGRAMME NAME	PROGRAMME OUTCOME	
M.Sc. Data Analytics	PO1	Ability to apply knowledge of Computer Science, Mathematics and Statistics to solve problems.
	PO2	Ability to model, analyze, design, visualize and realize physical processes of large Data.
	PO3	Ability to select appropriate methods and tools for data analysis in specific organizational contexts.
	PO4	Ability to analyze large data sets in the context of real world problems and interpret results.