BANGALORE CITY COLLEGE PROGRAMME OUTCOME FOR MSc. MATHEMATICS

Develop need based mathematics teaching, learning resources.
Develop need based mathematics teaching, tearning resources. Contribute as trained work force to provide teaching learning support to schools. Professionally inclined mathematics educators who have solid knowledge of subject matter and
Professionally inclined mathematics educators who have been
specialized in constructivist and atternate pedagogy
To use ICT tools in Mathematics teaching in multiple ways. Contribute as researchers in ploy making, curriculum design and evaluation reforms to raise the
Contribute as researchers in ploy making, curriculum design and evaluation
standard of mathematics education. Develop an understanding of philosophical cultural and psychological facts of mathematics
Develop an understanding of philosophical cultural and psychological rate
education. Create web based learning environment using blogs virtual class rooms and web based educational
Create web based learning environment using blogs virtual class rooms and
applications.
Identify potential research areas in education. Develop critical understanding on issues and investigations in mathematics curriculum, pedagogy
Develop critical understanding on issues and investigations in madicinates
and assessment.

M.A. ENGLISH PROGRAM OUTCOME

PO I	The students are guided to under take a project work.
PO 2	They have study and analyse any topic of literary importance or any work of literature.
PO 3	To facilitate critical appreciation and analyses of literary works.
PO 4	To acquaint them with research methodology.
PO 5	To develop skills related to future research.

HEAD OF THE DEPT OF ENGLISH BANGALORE CITY COLL BANGALORE CITY 560 043.



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DEPARTMENT OF BIOCHEMISTRY

Program Outcomes (POs)

M.Sc graduates of Biochemistry Program will:

- have a solid foundation in Principle. Reactions and pathways of Biochemistry, Chemistry, Microbiology and Biotechnology
- will be proficient in laboratory techniques
- be able to represent and analyze the data obtained from scientific investigation and effectively communicate the results.
- Will be able to use online databases and sources appropriately, and be able to read and evaluate the primary literature in the field.
- be able to work collaboratively in teams to produce a joint intellectual product
- will understand and practice the ethics of laboratory and scientific research

OF DEPT. OF BIO-CHEMISTRY

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Bangalore City College

Chellikere, Chikkatayappa Reddy Layout, Chelekare,

Kalyan Nagar, Bangaluru, Karnataka-560043

Program Outcome MSc (Chemistry) Semesters

PO1	After the course the student will become expertise in handling several reactions with reactions mechanisms under several reaction conditions
PO2 PO3	Solving analytical based problems Will be able to solve spectroscopy based problems with solutions Will be able to solve spectroscopy based problems with solutions
PO4 PO5	Understand principles given by several eminent scientists which has the They can use the things which required practically in their day to day life from the
103	course.

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Program Outcome for MSC CS

- An ability to apply knowledge of computing appropriate to the discipline.
- An ability to identify, formulate, and develop solutions to computational challenges.
- An ability to design, implement, and evaluate a computational system to meet desired needs within realistic constraints.
- An ability to function effectively on teams to accomplish shared computing design, evaluation, or implementation goals.
- An understanding of professional, ethical, legal, security, and social issues and responsibilities for the computing profession.
- An ability to communicate and engage effectively with diverse stakeholders.
- An ability to analyze impacts of computing on individuals, organizations, and society.
- Recognition of the need for and ability to engage in continuing professional development.
- An ability to use appropriate techniques, skills, and tools necessary for computing practice.
- An 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.
- An ability to apply design and development principles in the construction of software systems of varying complexity.

Head of the Department Dept. of Computer Science Bangalore City College # 160, Chelikere Main Road Kalyan Nagar, Bangalore-43 Realizatore & Bangalore

BANGALORE CITY COLLEGE PROGRAM OUTCOMES - BCA

After the completion of the course, a student is able

Pol	To identify and define problems and opportunities.
Po2	To pursue further studies to get specialization in Computer Science and
	Applications, Economics, Mathematics, business administration
Po3	To pursue the career in corporate sector can opt for MBA or MCA.
Po4	To Work in the IT sector as programmer, system engineer, software tester, junior programmer,
	web developer, system administrator, software developer etc.
Po5	Develop various real time applications using latest technologies and programming languages.
Po6	To work in public sector undertakings and Government organisations.
Po7	For teaching in Schools and Colleges.



Héad of the **Department**Dept. of Computer Science
Bangalore City College
160, Chelikere Main Road
Kalyan Nagar, Bangalore-43



#160, Cheilkere main road, Banaswadi outer ring road, Kalyan Nagar Cheilkere, Bangalore - 560043

DEPARTMENT OF FASHION AND APPAREL DESIGN

Programme Outcomes (POs)

	To apply knowledge of different fibres, elements and principles of design and basic
PO 1	To apply knowledge of different fibres, elements and principles of deals
PO 2	To obtain knowledge about understanding fabric formation process, rather than the factor design and the concept of garment making.
PO 3	To apply knowledge of textile and garment wet processing, remainder the principles of figure design and clothing construction for different sizes and categories.
PO 4	To apply knowledge of textiles through previous centuries, testing of faories and
PO 5	To obtain knowledge about various marketing and merchandising processor and fundamentals and principles of CAD, fashion accessories, basic draping techniques and
PO 6	different embroideries of India. To apply knowledge about entrepreneurship skills, principles of CAD, CAM and CIM, various traditional embroideries of India, different quality assurance practices, awareness about clothing culture and significance of portfolios and presentation.

HEAD OF DEPARTMENT FASHION AND APPAREL DESIGN BANGALORE CITY COLLEGE



DEPARTMENT OF COMMERCE AND MANAGEMNT Program Outcomes(Pos) B.COM

POI	To gain the knowledge of basic accounting concepts along with advanced accounting concepts.
PO2	To gain knowledge about management concepts.
PO3	To apply knowledge of business ethics & personal ethics.
PO4	To obtain knowledge about stock & commodity markets.
PO5	To develop entrepreneurship skills.
PO6	To learn business regulations.
PO7	To learn concepts of Income tax & GST taxation system at present secenario.

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Head of the Department

Dept. of Commerce & Management

No. 180. Chelikere Main Road.

Lanaswadi Outer Ring Road. Kalyan Magar F. D.

Behind BMTC Bus Dapot. Bangalara 48



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Program Outcomes(Pos) M.COM (FA)

POI	To apply knowledge of Accounting Standards, Contemporary issues, Quantitative
and the commence of the second	Techniques & managerial finance.
PO2	To obtain knowledge of Micro & Macro Economic concepts & Financial Markets.
PO3	To obtain knowledge regarding Taxation system, Cost concepts & Portfolio Management.
PO4	To gain knowledge about Assets & Liability Management, Business Research methods.
PO5	To learn about International Financial Management, Strategic Management & Strategic
	Financial Management.
PO6	To apply theoretical knowledge regarding Business Ethics & Corporate Governance, E-
	business concepts & Forex & Derivatives.
PO7	To gain practical knowledge through dissertation.



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Head of the Department
Dept. of Commerce & Management

No. 160, Chelikere Main Road, Panoswadi Guler Ring Road, Kalyan Nagar P.O.

Program Outcomes(Pos) B.B.A (Aviation Management)

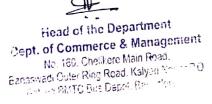
POI	To learn the mathematical concepts with regards to management.
PO2	To obtain knowledge of entrepreneurship & project Management along with management process.
PO3	To learn the concepts of financial accounting, cost accounting & management accounting.
PO4	To learn the concepts of Travel & Tourism.
PO5	To learn the PC software, Logistics & Air cargo Management.
PO6	To learn Business law & consumer behavior.
PO7	Mini & Major projects to gain practical knowledge.

Program Outcomes(Pos) B.B.A

PO1	To gain knowledge of fundamentals of accounting.
PO2	To learn the quantitative methods applicable in business.
PO3	To gain in depth knowledge about production, management, operations management.
PO4	To obtain knowledge og banking regulations & entrepreneurship management.
PO5	To gain knowledge in taxation system.
PO6	To obtain knowledge about financial markets & commodity markets.
PO7	To gain knowledge of international finance, employee welfare & social security.

Program Outcomes(Pos) M.COM

PO1	To apply knowledge of management system & financial activities.
PO2	To obtain knowledge about accounting, taxation & e-commerce.
PO3	To apply knowledge of ethics & code of conduct.
PO4	To obtain knowledge about various commodity markets & information technology.
PO5	To aply knowledge of banking operations, Forex management.
PO6	To gain practical knowledge through dissertation.
PO7	To obtain knowledge about research methodologies.

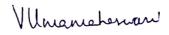




Master of social work

Program Outcome

PO1	Ability to recognize philosophical foundation and value base of social work profession.
P02	Ability to apply skills necessary for social development and reinforce values of
P03	social justice, gender justice and equality. Ability to perceive and develop the skills appropriate to the field
103	
	practices- Theory into practices.
P04	Ability to conduct value based research.
P05	Ability to apply suitable skills for the practice of Labour Legislation,
103	human relations and human behaviour at work
	numan relations and numan behaviour at work
PO6	Ability of students to start their own NGOs and Trust.
P07	Ability to work as a medical social worker in hospital settings.
P08	Ability to practice social worker skills, group work skills and case worker
	skills in practices.
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BANGALORE CITY COLLEGE PROGRAMME OUTCOME FOR BA (JOURNALISM)

BA (Journalism)

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POI	To gain basic models of communication & knowledge on printing technology.	
PO2	To gain knowledge on reporting and editing.	
PO3	To learn Photo journalism and writing cartoons.	
PO4	To learn investigative reporting.	
PO5	To acquire knowledge on news agencies.	
PO6	To acquire knowledge on glossary of journalism.	
PO7	To acquire knowledge on English Literature.	
PO8	To learn writing skill in Kannada & English Languages.	



HEAD OF DEPT. OF JOURNALISM
BANGALORE CITY COLLEGE
No. 905/100. Chelikere Main Road
Banaswadi Outer Ring Road,
Kalyan Nagar (Post), Next to BTS Bus DeChelikere, BANGALORE - 560 043

BANGALORE CITY COLLEGE PROGRAMME OUTCOME FOR MA (JOURNALISM)

MA (Journalism and Mass Communication)

PO1	To learn reporting analysis.
PO2	To learn advance news reporting on media.
PO3	To acquire knowledge on media law and ethics followed in media.
PO4	To learn media management.
PO5	To acquire knowledge on environmental report writing.
PO6	To learn practical knowledge on lab journal.
PO7	To gain practical knowledge through dissertation.



HEAD OF DEPT. OF JOURNALISM
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Chelikere, BANGALORE - 560 043

Bangalore city college M.Sc Microbiology Programme out come SUBJECT-MICROBIOLOGY (2019)

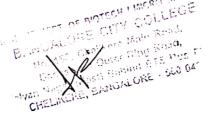
201	It enable the students to understand the morphology, structure,
PO1	It enable the students to understand the morphology
	genetics, characteristics, how they are cultivated and economic
	importance of it.
PO2	Students appreciated the commercial application of the microbes
	in industries.
PO3	They could able to demonstrate the staining techniques to
	differentiate microbes and their practical application in
	indentifying the microbes.
PO4	Students gained the knowledge about the role of microbes in
	agriculture like bio fertilizers, bio inoculation and how they can be
	used in reducing the effect of chemical.
PO5	Enable the students to gain knowledge about different techniques
, 00	like SDS, TLC, GC and their application in identifying the different
	compounds.
PO6	A brief note on bioethics and biosafety of GMOs , labelling of GM
100	nroducts , testing of drugs etc.
PO7	They appreciated how biostatics tool is used in sorting data and
PU	finding the significance in large pool of sample
200	Candidate could able to understand the role of interaction of
PO8	antigen and antibody and their effect.
	They appreciated the concept of molecular biology like DNA
PO9	replication, DNA repair, transcription and translation and how we
	can used these concept as the base in producing different protein
	They could able to gain knowledge about the IPR, patent, bioethic
PO10	They could able to gain knowledge about the may parenty.
	and biosafety of GMOs , labelling of GM products . testing of
	drugs etc.





BANGALORE CITY COLLEGE B.SC BIOTECHNOLOGY PROGRAM OUT COME SUBJECT- BIOTECHNOLOGY(2019)

alle of the control	It enable the students to understand about Discovery of cell, cell Theory and
PO1	It enable the students to understand about biscovery of day
	Ultra structure of an eukaryotic cell- (Both plant and animal cells)
PO 2	I c. I
	studies using grasshopper testes, onion root tips and flowerBuds.
PO3	Enable the students to understand the Constructions and working principles of
	different types of microscopes like Compound, Dark field, Phase contrast,
	Fluorescence and Electron (Scanning and Transmission)
PO4	The candidate could able to learn Safety measures and Cleaning ,sterilization
	techniques in microbiology laboratory
PO5	They understood, Classification and properties of Amino acids and a brief
	account of Proteins, Classification structure, functions, and structural
	organization of proteins (Primary, secondary, tertiary and quaternary
	structure)
PO6	They became aware of Gene organization and how genes are expressed in
	Mitochondria and chloroplasts and briefs about introduction to Molecular
	basis of life
PO7	Understand the basic concept of Genetic Engineering and Provides an account
PO 8	on application of r-DNA technique in human health
PU 8	Students were able to understand the concept of Environmental significance
PO9	of Genetically modified microbes, plants and animals Students could able to understand the History and scope of Immunology and
. 05	also appreciated the Types of Immunity
PO10	Students gained the knowledge about Organ Culture – Anther, Embryo and
	Endospearm culture and their applications Organogenesis and Somantic
	Embryogenesis – Techniques and applications
PO11	Enable the students to gain knowledge about Protoplast Culture - Isolation
	regeneration and viability test, somantic hybridization, methods of protoplast
	fusion –chemical and electro fusion, practical application of somantic
	nybridization and cybridization.
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Bangalore City College M.Sc. Biotechnology Programme Outcome Subject-Biotechnology

P01	Students will be a subject-Biotechnology
P02	Students will be able design, conduct experiments, analyze and interpret data for investigating problems in Biotechnology and allied fields. Positions. Production of wine – estimation of wine – es
P03	Production of wine – estimation of percentage of alcohol, total acidity & volatile acidity in wine.
P04	Students can become a
P05	biotechnology, pharmaceutical Companies. Entrepreneurship ventures such as consultancy and training centres can be
P06	Biotechnological professionals in the Biotechnological professional profe
P07	food processing industries, chemical industry and textile industry as well. Beside industrial sector there are ample opportunities in academics as well.
P08	Theycould able to gain knowledge about the IPR, patent, bioethics and biosafety of GMOs, labelling of GM products. testing of drugs etc.

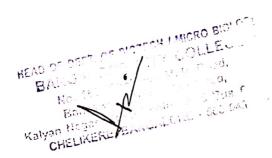




BANGALORE CITY COLLEGE B.SC Microbiology PROGRAM OUT COME SUBJECT- Microbiology (2019)

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PO1	Students were able to understand the history of microbiology		
PO 2	Students understood about stains & staining techniques.		
PO3	Enable the students to understand the Study of viruses, 3 domain classification, detailed study of bacteria& other microorganisms, archaea, fungi, protozoa.		
PO4	The candidate could able to learn Safety measures and Cleaning ,sterilization		
	techniques in microbiology laboratory		
PO5	They understood Genetic recombination methods, different types of DNA, sup		
	coiling DNA replication		
PO6	It gives a brief insight on different types of RNA, protein synthesis in prokaryotes, gene		
	structure & expression, regulation of gene expression		
PO7	Tissue transplantation, cancer, blood grouping		
PO 8	Students were able to understand the concept of Environmental significance of		
	Genetically modified microbes, plants and animals		
PO9	the same of Immunology and also		
	appreciated the Types of Immunity		
PO10	Developments in medical microbiology, microbial flora, pathogenic microorganisms.		
PO11	They developed the knowledge Biotransformation of steroids, mushroom cultivation.		





PROGRAM OUTCOMES

M.Sc. Physics

- Apply principles of basic science concepts in understanding, analysis and prediction PO1: of physical systems.
- PO2: To introduce interdisciplinary subjects/concepts/ideas for interdisciplinary application of Physics concepts.
 - PO3: To introduce advanced ideas and techniques required in emergent area of Physics.
- PO4: To develop human resource with specialization in theoretical and experimental techniques required for career in academia and industry.
 - PO5: Engage in lifelong learning and adapt to changing professional and societal needs.
- PO6: Understand and apply principles of physics for understanding the scientific phenomenon in classical domain.
- PO7: Understand and apply mathematical techniques for describing and deeper understanding of physical systems.
- PO8: Understand and apply statistical methods for describing the classical and quantum particles in various physical systems and processes.
- PO9: Understand and apply inter-disciplinary concepts and computational skills for understanding and describing the natural phenomenon.
- P10: Understand and apply principles of Quantum mechanics for understanding the physical systems in quantum realm.
- P11: Provide exposure in various specialization of Physics (Solid State Physics/Nuclear Physics/Particle Physics).
- P12: Provide exposure to advanced experimental/theoretical methods for measurement, observation, and fundamental understanding of physical phenomenon/systems.
 - P13: Engage in research and life-long learning to adapt to changing environment.

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HEAD OF DEPT. OF PHYSICS BANGALORE CITY COLLEGE

No. 160, Chelikere Main Road, Banaswadi Outer Ring Road, Viryan Nagar (Post) Behind BTS Bir Depo CHELIKERE, BANGALORE - 560 .

Program Outcome (UG)

DEPARTMENT OF CHEMISTRY

The B.Sc. Biochemistry program is designed to help learners achieve the following objectives:

PO1	Apply the principles of atomic and molecular structure to predict chemical properties and chemical reactivity.
PO2	Apply the knowledge of experimental approaches to solve problems of a chemical nature and will have an ability to extend that knowledge to the solution to new problems.
PO3	Employ critical thinking and the scientific knowledge to design, carry out, record and analyze the results of chemical reactions
PO4	Develop skills in the proper handling of apparatus and chemicals. To be exposed to the different processes used in industries and their applications.

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HEAD OF THE DEPT OF CHEMISTRY
BANGALORE CITY COLLEGE
BENGALURU - 560 043.

Program Outcome (UG)

DEPARTMENT OF BIOCHEMISTRY

The B.Sc. Biochemistry program is designed to help learners achieve the following objectives:

PO1	to analyse, appreciate, understand the basic concepts of chemical reactions that occur in living systems
PO2	Apply the knowledge of experimental approaches to solve problems of a chemical nature and will have an ability to extend that knowledge to the solution to new problems.
PO3	Understand biochemical basis of human diseases, non-invasive diagnostics, biochemical pathway regulation and drug development and apply this knowledge for betterment of mankind
PO4	Facilitate placement in various clinical and biochemical laboratories and biological research institutes

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HEAD OF DEPT. OF BIO-CHEMISTON BANGALONE CITY COLLEGE

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