



# INDIRA GANDHI COLLEGE OF ARTS & SCIENCE

KADIRKAMAM, PUDUCHERRY

(A Government of Puducherry institution) (Accredited B+ by NAAC)

## PROGRAMME OUTCOMES/ PROGRAMME SPECIFIC OUTCOMES/ COURSE OUTCOMES

Sl. No	Programme	Programme Outcomes/ Programme Specific Outcomes/ Course Outcomes
1	<b>B. Com (Foreign Trade)</b>	<p><b>Programme Outcome:</b> To develop human resource with specialised knowledge in concepts, practices and procedures of Foreign Trade.</p> <p><b>Programme Specific Outcomes:</b> On completion of the programme, the students will be able to:</p> <ol style="list-style-type: none"><li>1. Observe the current business scenario and evaluate the global business environment in terms of economic, social and legal aspects.</li><li>2. Analyse the principles of international business and strategies adopted by firms to expand globally.</li><li>3. Integrate concepts in international business with functioning of global trade.</li><li>4. Understand the concepts and practices in trade documentation in international business with respect to export trade.</li></ol>
2	<b>B. Sc. Statistics</b>	<p><b>Programme Outcome:</b> To make the students learn theoretical foundations of statistical concepts and their software related analytical applications.</p> <p><b>Programme Specific Outcomes:</b> On completion of the programme, the students will be able to:</p> <ol style="list-style-type: none"><li>1. Describe and discuss the key terminology, concepts tools and techniques used in statistical analysis.</li><li>2. Critically evaluate the underlying assumptions of analysis tools.</li><li>3. Understand and critically discuss the issues surrounding sampling and significance.</li><li>4. Discuss critically the uses and limitations of statistical analysis.</li><li>5. Solve a range of problems using the techniques covered.</li><li>6. Conduct basic statistical analysis of data.</li><li>7. Understand the basic principles underlying survey design and estimation.</li><li>8. Apply the different sampling methods for designing and selecting a sample from a population</li></ol>

3	<b>B. Sc. Biotechnology</b>	<p><b>Programme Outcome:</b> To make the learners the chemical reactions or metabolic functions in the living system and their regulations.</p> <p><b>Programme Specific Outcomes:</b> On successful completion of the subjects under the programme students should be able to:</p> <ol style="list-style-type: none"> <li>1. Understand the concept of biochemical regulations.</li> <li>2. Comprehend concept of cell and their activities and molecular signalling.</li> <li>3. Get sufficient knowledge in principles and applications of bio instruments, Basic biomolecules, viz protein fats, enzymes and their relevance to biological molecular stabilization.</li> <li>4. Gain knowledge for in-depth analytical and critical thinking to identify, formulate and solve the issues related to Biotechnology Industry, Pharmaceutical industry, Medical or hospital related organizations, Regulatory Agencies, &amp; Academia.</li> <li>5. Develop an ability to solve, analyze and interpret data generated from experiments done in project work or practical courses.</li> <li>6. Appreciate and execute their professional roles in society as biotechnology professionals, employers and employees in various industries, regulators, researchers, educators and managers.</li> </ol>
4	<b>B. Sc. Applied Microbiology</b>	<p><b>Programme Outcome:</b> To make the learners understand Micro-organisms and their participation in day to day activities.</p> <p><b>Programme Specific Outcomes:</b> On successful completion of the subjects under the programme students should be able to:</p> <ol style="list-style-type: none"> <li>1. Know the role of microorganisms in the diversity.</li> <li>2. Describe how microorganisms are used as model systems to study basic biology, genetics, metabolism and ecology. Identify role of microorganisms in disease and how microbial and immunological methodologies are used in</li> </ol>

		<p>disease treatment and prevention.</p> <ol style="list-style-type: none"> <li>3. Demonstrate theory and practical skills in microscopy, their handling techniques and staining procedures.</li> <li>4. Understand the basic microbial structure and function and study the comparative characteristics.</li> <li>5. Understand the structural similarities and differences among various physiological groups of bacteria.</li> <li>6. Know various Culture media and their applications and also understand various physical and chemical means of sterilization.</li> <li>7. Know General bacteriology and microbial techniques for isolation of pure cultures of bacteria, fungi and algae.</li> <li>8. Understand the microbial transport systems and the modes and mechanisms of energy conservation in microbial metabolism.</li> <li>9. Know the various Physical and Chemical growth requirements of bacteria and get equipped with various methods of bacterial growth measurement.</li> </ol>
5	BCA	<p><b>Programme Outcome:</b> To develop a strong theoretical foundation in Computer programming and to comprehend its practical applications among students.</p> <p><b>Programme Specific Outcomes:</b> At the end of the BCA programme the students will be able to:</p> <ol style="list-style-type: none"> <li>1. Apply basic learning and assessment principles in the design, development, and presentation of material produced by office productivity applications. Demonstrate employability skills and a commitment to professionalism.</li> <li>2. Operate a variety of advanced spreadsheets, operating systems and word processing functions.</li> <li>3. Apply and incorporate standard practices and technological advancements in software development life cycle.</li> <li>4. Acquire expertise in providing optimized algorithmic solutions.</li> <li>5. Develop expertise in recent technologies like SMAC (Social, Mobile, Analytics, Cloud), Machine Learning and IOT.</li> <li>6. Demonstrate skills in ideation, innovation and commercialization of IT products and services.</li> </ol>

  
**PRINCIPAL**  
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