



**OFFICE OF THE PRINCIPAL**  
**GOVERNMENT AUTONOMOUS COLLEGE, ANGUL**  
**PROGRAMME OUTCOMES(PO) : PG**

This HEI has clearly stated the Programme Outcomes to disseminate aim and objectives to its stakeholders. The teachers and students are introduced to the POs for better teaching and learning following the mechanism stated below:-

- Hard Copy of syllabus is available in the departments for ready reference to the teachers and students.
- The entire syllabus is available in the HEI website for reference of its stakeholders.
- Students are introduced to the syllabus having POs in the induction meeting organized at the very beginning of their enrollment to the programme.
- The importance of the learning outcomes has been communicated to the teachers.
- The students are also made aware of the same through departmental and proctorial meetings.

There are 17 UG Programmes introduced in this HEI;-

- Arts: Economics, Education, English, History, Odia, Political Science, Sanskrit, Sociology.
- Science: Chemistry, Physics, Botany, Zoology, Mathematics, Computer Science.
- Commerce : M.Com
- SFC (PPP): IMBA and M.Com (F&C).



**PROGRAMME OUTCOMES: PG**

S.No	Programme Name	Outcome
1	<b>Economics</b>	<ol style="list-style-type: none"> <li>1. To provide deep knowledge of the Indian Economy with focus on contemporary issues like economic environment, industrial environment etc</li> <li>2. To familiarize the students with the recent developments in the Indian Economy</li> <li>3. To train the students to use the techniques of statistical analysis, which are commonly applied to understand and analyze managerial problems.</li> </ol>
2	<b>Education</b>	<ul style="list-style-type: none"> <li>• Postgraduate Programme introduces comprehensive understanding of both classical and contemporary educational theories, advanced research skills, and the ability to design, develop, and evaluate curriculum.</li> <li>• It develops leadership and management competencies, integrate educational technology, and demonstrate critical thinking and problem-solving abilities.</li> <li>• It fosters cultural competence, ethical and professional values and effective communication skills.</li> <li>• This programme prepares students for diverse roles in academia, administration, and policy making in educational field.</li> </ul>
3	<b>English</b>	<p>Upon successful completion of the M.A. programme in English, students will be able to do the following.</p> <ol style="list-style-type: none"> <li>1. Read, understand and appreciate great works of literature in English produced not only in England but elsewhere in the world.</li> <li>2. Develop comprehensive understanding and knowledge of English literary studies, sharpen their critical tools, and develop a broad critical perspective.</li> <li>3. Inculcate a liberal, ethical and humanitarian attitude.</li> <li>4. Understand the nature and scope of research in literature, learn the basic skills of research and write a dissertation.</li> <li>5. Take an active interest in literatures through translation and develop a cross-cultural understanding of literature in general.</li> </ol>
4	<b>History</b>	<ol style="list-style-type: none"> <li>1. The programme enables to grasp the historical developments in India, as well as in Odisha from early times to present day.</li> <li>2. It enables to understand the cultural history of the country in socio-religious aspect.</li> <li>3. It helps to appreciate the art and architecture of India in historical</li> </ol>



		<p>context.</p> <p>4. The programme acquaints the student with the strenuous work of freedom struggle.</p> <p>5. It will provide expertise to students to work in fields like archaeology, tourism, archives, museum and other allied areas.</p>
5	<b>Odia</b>	<ol style="list-style-type: none"> <li>1. This programme introduce students to the ancient, medieval, modern odia literature along with history of odia literature.</li> <li>2. It enables students to have in-depth knowledge in general linguistics, drama, translation and comparative literature.</li> <li>3. It inculcates linguistics and various theories of language and literature.</li> <li>4. It introduces to Folklore, research methodology, preparation of dissertation paper and presentation of seminar papers.</li> <li>5. This programme made capable to pursue research work and will be eligible to get a job in the field of book editing, mass media, film making, journal publications, etc. in the regional language.</li> </ol>
6	<b>Political Science</b>	<ol style="list-style-type: none"> <li>1. The programme acquaints the students to the important features of Indian Constitution and basic framework of Indian Government.</li> <li>2. It creates awareness about the opportunities and challenges in Indian politics.</li> <li>3. It introduces the contemporary debates across political ideologies.</li> </ol>
7	<b>Sanskrit</b>	<ul style="list-style-type: none"> <li>• The programme introduces students to the Indian knowledge system (IKS) of spiritual awareness from Veda, Vedanta, Upanishad, Astadasha purana and Mahabharata.</li> <li>• It inculcates cultural and ethical values.</li> </ul>
8	<b>Sociology</b>	<ul style="list-style-type: none"> <li>• This programme enables to get deep into sociological universality and sociological specificity to a large extent.</li> <li>• It prepares social scientists to investigate the opportunities and challenges of society.</li> <li>• Students will have a clear understanding of the ideas and theories to study the social phenomena.</li> <li>• It helps students to examine and understand the different nature of tribal lives across the nation.</li> <li>• This programme enable students to understand the politics of development and underdevelopment, and understand how development can be quantified, theorized and explained</li> </ul>



		<p>globally.</p> <ul style="list-style-type: none"> <li>• This programme probes the development of perspectives in Sociology in continuity with the classical theories.</li> <li>• This programme enlightens the students about the voluntary sector and its scope.</li> <li>• The students will be able to define gerontology and its scope and significance.</li> <li>• Students will get an opportunity to define urban sociology and the impacts and trends of urbanization on Indian society.</li> <li>• This helps students to be gender sensitive both at home and in the public.</li> <li>• It is expected that the students will have a fair amount of conscious knowledge on the significance of environment in a society, its present state of degradation and the concern thereof and the societal responsibility to preserve and protect it.</li> </ul>
9	<b>Commerce</b>	<ul style="list-style-type: none"> <li>• This programme offers updated applications and practices of commerce education with an employability outlook.</li> <li>• It focuses on making students' future-ready i.e. to become entrepreneurs or executives in the industry by equipping students with a holistic view of the business environment and its operations.</li> <li>• The thrust of the programme is on personality development of the students through helping to acquire conceptual, analytical, problem-solving capabilities and emotional maturity.</li> <li>• The innovative curriculum and proven pedagogy will equip participants with actionable knowledge and skills along with deep insights into leadership and strategy.</li> </ul>
10	<b>Botany</b>	<ol style="list-style-type: none"> <li>1. The P.G. Programme will be helpful for students to pursue higher research in floristic study, forestry, ecological modeling and horticultural practices.</li> <li>2. The students will expertise in conservation, enumeration and analytical study of different plant species.</li> <li>3. The PG students have multifarious opportunities in various fields of research, pharmaceuticals, environmental protection and allied life sciences sectors.</li> </ol>
11	<b>Chemistry</b>	<p>On completion of the M.Sc. Chemistry programme, the students will:</p>



		<ul style="list-style-type: none"> <li>• Acquire the in-depth functional knowledge of the fundamental principles and contemporary practices and able to predict new phenomena.</li> <li>• Acquire skills to design, execute and document of laboratory experiments in research, academia, or chemical industry.</li> <li>• Develop an awareness of environmental and technological implication of chemistry.</li> <li>• Find job opportunities in Chemical, pharmaceutical, and other chemistry based industries; Research &amp; Development in various scientific/academic institutions.</li> </ul>
12	<b>Computer Science</b>	<p>M.Sc. in Computer Science programme enables the students to attain the following ability to</p> <ol style="list-style-type: none"> <li>1. Apply knowledge of computing and mathematics appropriate to the discipline to solve problems, design systems, and model real-world issues.</li> <li>2. Design, implement, and evaluate a computational system to meet desired needs within realistic constraints.</li> <li>3. Use design and development principles in software systems, software development tools, and modern computing platforms.</li> <li>4. Use appropriate techniques, skills, and tools necessary for computing practice.</li> </ol>
13	<b>Mathematics</b>	<p>Understanding of the fundamental axioms in mathematics and capability of developing ideas based on them.</p> <ul style="list-style-type: none"> <li>• Inculcate mathematical reasoning.</li> <li>• Prepare and motivate students for research studies in mathematics and related fields.</li> <li>• Provide knowledge of a wide range of mathematical techniques and application of mathematical methods/tools in other scientific and engineering domains.</li> <li>• Provide advanced knowledge on topics in pure mathematics, empowering the students to pursue higher degrees at reputed academic institutions.</li> <li>• Strong foundation on algebraic topology and representation theory which have strong links and application in theoretical physics, in particular string theory.</li> <li>• Good understanding of number theory which can be used in modern online cryptographic technologies.</li> <li>• Nurture problem solving skills, thinking, creativity through</li> </ul>



		<p>assignments, project work.</p> <ul style="list-style-type: none"> <li>• Assist students in preparing (personal guidance, books) for competitive exams e.g. NET, GATE, etc</li> </ul>
14	Physics	<ol style="list-style-type: none"> <li>1. This programme emphasizes on research in various branches of physics as well as it helps students to develop scientific approach to deal with various problems in day-to-day life.</li> <li>2. The papers like Quantum Mechanics, Advanced Quantum Mechanics, Mathematical Physics, Electrodynamics, Condensed Matter Physics, Advanced Condensed Matter Physics, Statistical Mechanics etc. are relevant in applications in different areas of research such as in both theoretical and experimental physics.</li> <li>3. This also serves as the backbone of various emerging fields like Plasma Physics, Astronomy and Astrophysics, Nuclear and Particle Physics, Geophysics along with conventional fields like Condensed Matter Physics, High Energy Physics, Atomic and Molecular Spectroscopy. These fields have great demand in academia in addition to various research &amp; development Institutions.</li> <li>4. Apart from theoretical knowledge from the above said programme, it also helps to instill scientific temperament among the students. They get a hand on experience in practical laboratory such as in Computational Lab. (Scilab and FORTRAN) which helps to understand the concepts in a more simplified yet profound way.</li> <li>5. Along with the regular curriculum, it encourages the students to prepare for various National and State level entrance examinations like NET, JAM, GATE, JEST, TIFR etc. and to proceed ahead in their career in Physics.</li> </ol>
15	Zoology	<ol style="list-style-type: none"> <li>1. After successfully completing this course, students will be able to: Define basic terms in biochemistry and biochemical techniques.</li> <li>2. After successfully completing this course, students will be able to: Define the basic terminologies in genetics.</li> <li>3. Students will be able to: Explain the DNA structure &amp; types,</li> </ol>



		<p>topology, Physical properties; chromatin structure and organization.</p> <p>4. Students will be able to: Explain the composition of blood, types of blood cells, vascular dynamics and clotting.</p>
16	IMBA	<ol style="list-style-type: none"> <li>1. This programme enables students to apply effective management strategies, principles and techniques in business.</li> <li>2. Students shall develop basic and essential skills related to marketing.</li> <li>3. It introduces the students to organizational behavior in their work life.</li> <li>4. It develops the ability to calculate taxable income of firms, cooperative societies and charitable trust.</li> <li>5. Graduate Entrepreneurship Students will be able to demonstrate a fundamental comprehension of business opportunity evaluation, from the perspective of a prospective investor.</li> </ol>
17	M.COM (F&C)	<ol style="list-style-type: none"> <li>1. This programme enables to understand role of accounting and finance in the present business scenario.</li> <li>2. The programme enables to identify the latest trends in banking and finance.</li> <li>3. It provides varieties of tools and techniques to meet the emerging opportunities and challenges.</li> <li>4. It gives the opportunity to become an entrepreneur based on the knowledge gained.</li> <li>5. It strengthens the knowledge base to take up CA/ICWA/ICS and other competitive examination.</li> <li>6. It introduces to the field of social and technical changes.</li> <li>7. Accept the challenges of business world.</li> <li>8. Enhance logical thinking and decision making ability.</li> </ol>

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*[Signature]*  
PRINCIPAL 13/12/24

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