

### PROGRAMME OUTCOMES (PO):

At the end of the graduate programme at Calicut University, a student would:

<b>PO 1</b>	Knowledge Acquisition: Demonstrate a profound understanding of knowledge trends and their impact on the chosen discipline of study.
<b>PO 2</b>	Communication, Collaboration, Inclusiveness, and Leadership: Become a team player who drives positive change through effective communication, collaborative acumen, transformative leadership, and a dedication to inclusivity.
<b>PO 3</b>	Professional Skills: Demonstrate professional skills to navigate diverse career paths with confidence and adaptability.
<b>PO 4</b>	Digital Intelligence: Demonstrate proficiency in varied digital and technological tools to understand and interact with the digital world, thus effectively processing complex information.
<b>PO5</b>	Scientific Awareness and Critical Thinking: Emerge as an innovative problem-solver and impactful mediator, applying scientific understanding and critical thinking to address challenges and advance sustainable solutions.
<b>PO 6</b>	Human Values, Professional Ethics, and Societal and Environmental Responsibility: Become a responsible leader, characterized by an unwavering commitment to human values, ethical conduct, and a fervent dedication to the well-being of society and the environment.
<b>PO 7</b>	Research, Innovation, and Entrepreneurship: Emerge as a researcher and entrepreneurial leader, forging collaborative partnerships with industry, academia, and communities to contribute enduring solutions for local, regional, and global development.

### PROGRAMME SPECIFIC OUTCOMES (PSO):

**At the end of the B.Sc. Mathematics Honours Programme at Calicut University, a student would:**

<b>PSO 1</b>	Advanced Mathematical Knowledge: Understand core mathematical abstract concepts/theories and demonstrate a high level of mathematical rigor and logical reasoning
<b>PSO 2</b>	Modelling and Problem-Solving Skills: Apply mathematical techniques to solve complex problem situations across various domains and interpret the result, demonstrating critical thinking and analytical skills
<b>PSO 3</b>	Computational Proficiency: Apply mathematical understanding to solve problems and explicitly work out step by step either by self or by software based computational tools.
<b>PSO 4</b>	Research Aptitude: Analyse mathematical abstract ideas effectively and present/communicate mathematical arguments and solutions in a clear and coherent manner leading to research in Mathematics
<b>Minor PSO s</b>	
<b>PSO 5</b>	Mathematics Proficiency: Demonstrate a strong understanding of mathematical principles and problem solving
<b>PSO 6</b>	Interdisciplinary Integration: Integrate Mathematics with relevant disciplines to develop more holistic approaches to solve problems, leading to innovative solutions and advancements in various fields.

