

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE (GIRLS)  
JANGAON  
PROGRAM OUTCOMES  
(2024-2025)**

Formulate and develop mathematical arguments in a logical manner. Also when there is a need for information, the student will be able to identify, locate, evaluate, and effectively use that information for handling issues or solving problems at hand. Acquire good knowledge and understanding in advanced areas of mathematics and its applications.

PO 1: Knowledge: Ability to build the knowledge in fundamental areas of mathematics like calculus, linear algebra, real analysis, differential equations, abstract algebra.

PO 2: Problem Solving: Ability to analyze and solve complex mathematical problems using appropriate methods.

PO 3: Logical Reasoning: Apply critical thinking, decision making and reasoning skills and logical reasoning to both theoretical and practical problems.

PO 4: Critical Thinking: Develop critical thinking skills to analyze assumptions, evaluate arguments and appropriate method to solve mathematical problems.

PO 5: Application: Apply mathematical knowledge and techniques to interdisciplinary problems in computer science, physical science, chemistry etc.

PO 6: Collective Work: Ability to work effectively in competitive environment with other department for multidisciplinary activities.

PO 7: Life Long Learning: Recognize the need for, and ability to engage in independent and Life-long learning.

PO 8: To understand the implications of mathematical applications and uphold the mathematical knowledge in research

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