



GOVERNMENT COLLEGE FOR MEN

(Autonomous)

Affiliated to Yogi Vemana University

Reaccredited by NAAC at "B" Grade

Rims Road, Beside New Collectorate, Kadapa-516004



POs and PSOs

PROGRAMME NAME : **BSC MATHS, PHYSICS AND CHEMISTRY (MPC)**
E/M & T/M

PROGRAMME CODE : **3015 & 3010**

DURATION : **3 YEARS**

PROGRAMME OUTCOMES (POs):

PO1. Critical Thinking: Apply critical thinking and enhance learning in the three major subjects of their choice with scientific reasoning and analytical skills.

PO2. Problem solving: Think logically and organize task into a structured form for problem solving by applying the knowledge of basic science.

PO3. Effective communication: To develop the ability of effective communication of scientific information in written and oral format.

PO4. Individual and team work: Function effectively as an individual and as a member or leader in diverse teams and in multi-disciplinary settings.

PO5. Ethics: Apply ethical, moral and social values in personal and professional life leading to holistic development of the individual.

PO6. Environment and sustainability: Develop interdisciplinary approach to provide better solution and innovative ideas for sustainable development and conservation of natural resources.

PO7. Self-directed and lifelong learning: Recognize the need for and have the ability to engage in independent, lifelong learning and adapt to technological changes to be globally competent.

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PROGRAMME SPECIFIC OUTCOMES (PSOs):

PSO1. Gain knowledge and understanding of definitions, concepts, theorems in Algebra, Analysis, Differential Equations and Linear Algebra.

PSO2. Use Mathematical software leading to professional development.

PSO3. Acquire logical and analytical skills to apply the concepts to model and solve real life problems in related areas.

PSO4. Attain sound knowledge in the areas of Mechanics, Thermal Physics, Optics, Electromagnetism, Quantum Physics, Solid state Physics for pursuing higher education and research.

PSO5. Demonstrate basic knowledge of Physics in developing logical tools and models to draw valid solutions.


PSO6. Analyze and solve problems using reasoning skills based on concepts of Physics.

PSO7. Acquire methodical and logical understanding of the fundamental concepts in Physical, Organic, Inorganic, Analytical and all other integrated Chemistry subjects.

PSO8. Achieve the ability to synthesize, separate, estimate and characterize compounds using experimental and instrumentation techniques.

PSO9. Develop critical thinking and problem solving skills through solving by adopting research based pedagogical tools.




PRINCIPAL
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KADAPA.