KONGUNADU ARTS AND SCIENCE COLLEGE

(AUTONOMOUS)

COIMBATORE - 641 029

DEPARTMENT OF MATHEMATICS (PG)

CURRICULUM AND SCHEME OF EXAMINATIONS (CBCS)

(2022-2023 and onwards)

KONGUNADU ARTS AND SCIENCE COLLEGE(AUTONOMOUS)

Coimbatore-641029

Vision:

Developing the total personality of every student in a holistic way by adhering to the principles of Swami Vivekananda and Mahatma Gandhi.

Mission:

Imparting holistic and man-making education with emphasis on character, culture and value - moral and ethical.

Designing the curriculum and offering courses that transform its students into value added skilled human resources.

Constantly updating academic and management practices towards total quality management and promotion of quality in all spheres.

Extending the best student support services by making them comprehensive and by evolving a curriculum relevant to student community and society at large.

Taking steps to make education affordable and accessible by extending scholarships to the meritorious and economically disadvantaged students.

Moulding the teachers in such a way that they become the role models in promoting Higher Education.

DEPARTMENT OF MATHEMATICS

Vision:

1. To enrich the Mathematical and Analytical skill of the student
2. To produce quality Mathematical science researches
3. To emphasis the students to apply the theoretical Mathematics to bring out as Mathematical models

Mission:

1. To inculcate moral values and ethical values.
2. To upgrade the students knowledge to meet the academic challenges.
3. To equip the students with the necessary mathematical tools to meet the competitive global environment.

Programme Outcome (PO)

PO 1: Innovate and solve complex mathematical problems using the knowledge of Pure and Applied Mathematics.

PO 2: Applying mathematical concepts and problem solving techniques to perform computations in various fields of social, scientific and economical development.

PO 3: Develop a wide range of Mathematical skills and knowledge to pursue their research and compete globally.

PO 4: Understand the importance of mathematics and its techniques to solve real life problems.

PO 5: Ability to assess and interpret complex situations which enables them to choose successful career in Education and Industry.

PO 6: Equip with deep knowledge in various areas of mathematics, being capable to be an Entrepreneur and a mathematical professional.

PO 7: Expertise knowledge in the thrust areas of Mathematics to take up projects in the field of Science and Engineering.

PO 8: Crack lectureship and fellowship exams approved by UGC like CSIR – NET and SET.

Programme Specific Outcome (PSO)

PSO 1. Remembering the higher notions of Mathematics to develop logical and creative thinking.

PSO 2. Comprehend high levels of abstraction in pure and applied mathematical concepts.

PSO 3. Investigate and apply mathematical tools to find solutions in a variety of context, related to real world problems.

PSO 4. Exhibit a deep understanding in Mathematics, providing a strong foundation to identify the thrust areas in research.

PSO 5. Deeper understanding and successful application of the subject knowledge and problem solving skills helps to clear NET/SET Examinations.