



G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS), KOVILPATTI

(Reaccredited with 'A' grade by NAAC,
Affiliated to Manonmaniam Sundaranar University, Tirunelveli.

PG & RESEARCH DEPARTMENT OF MATHEMATICS

DEPARTMENTAL POLICY DOCUMENT

1. VISION

To evolve as a center of excellence in mathematics.

To empower students with sound knowledge and investigate new methodologies and applications in research.

To equip the learners for better service towards the society.

2. MISSION

To encourage the students to take up student centered projects and develop their analytical and logical thinking.

To provide quality education, enhance research and consultancy by providing highly skilled mathematical knowledge.

To provide excellent knowledge of mathematical sciences for suitable career and groom them for national recognition.

To enable the students as mathematical thinkers and become life- long learners in their chosen profession.

3. CURRICULUM AND COURSE DESIGN

The Department strictly adheres to the syllabus prescribed by TANSCH (Tamil Nadu State Council for Higher Education)

The curriculum shall be designed in alignment with the latest developments in mathematics, its applications and interdisciplinary relevance. Choice-Based Credit System (CBCS) and Outcome-Based Education (OBE) frameworks shall guide curriculum structure and evaluation. The curriculum will integrate both theoretical and applied aspects, ensuring a balance between pure and applied mathematics.

4. TEACHING–LEARNING PROCESS

The department shall adopt a learner-centric approach with emphasis on conceptual understanding and problem-solving.

Blended learning methods such as ICT tools and online resources will supplement traditional teaching.

Continuous Internal Assessment (CIA) will include assignments, seminars, model-making, and project-based learning.



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5. FACULTY DEVELOPMENT

Faculty members shall be encouraged to attend refresher courses, faculty development programmes (FDPs), orientation programmes, and conferences.

Collaborative learning and exchange of teaching strategies will be promoted through departmental seminars and workshops.

The College shall support faculty in pursuing higher qualifications, online certifications.

Faculty members are motivated to pursue projects through seed money.

6. RESEARCH AND PUBLICATION

Faculty and students are encouraged to undertake research projects, publish papers, and participate in conferences.

The department supports collaborations with other institutions and industries.

Seminars, workshops, and guest lectures shall be organized regularly to enhance research culture and annual research symposiums and student research projects shall be organized to nurture analytical thinking.

Faculty shall be motivated to publish in peer-reviewed and UGC CARE-listed journals.

7. CULTURAL AND EXTENSION ACTIVITIES

The department shall promote mathematical awareness through exhibitions, quiz competitions, and National Mathematics Day celebrations.

Extension activities such as mathematical literacy programmes in schools and community outreach will be encouraged.

Students shall actively participate in institutional and interdepartmental cultural events.

Guest lectures, alumni interactions, and expert talks will be organized to connect classroom learning with real-world applications.

8. STUDENT SUPPORT

Academic mentoring and remedial coaching shall be provided for slow learners.



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Advanced learners will be guided for research projects, competitive exams, and higher studies.

The department maintains a mentor-mentee system to track student progress and offer guidance.

Mentoring sessions shall be conducted to monitor academic progress and personal well-being.

Scholarships and financial assistance information will be made accessible to deserving students.

Regular feedback from students will be collected and acted upon to enhance departmental functioning.

9. GENDER SENSITIVITY AND INCLUSIVITY

The department shall ensure a safe, respectful, and inclusive environment for all students and staff members.

Equal opportunities will be ensured in participation, leadership, and representation in departmental activities.

The department shall be sensitive to the needs of students from diverse social, cultural, and economic backgrounds.

10. CONTINUOUS IMPROVEMENT AND FEEDBACK

Students feedback is collected every semester on curriculum content, teaching methodology, faculty performance and resource availability.

Feedback is analysed in department meetings and submitted to IQAC. Action taken reports are documented and used in Board of studies meetings for curriculum updates.

11. BEST PRACTICE

The Department conducts Pranic Healing sessions for holistic well-being of the students and organizes Extension Activities to promote the student community.

Five-Day Hands-on Training Programs in LaTeX to enhance PG students in technical and research skills.