



HOLY CROSS COLLEGE(AUTONOMOUS), NAGERCOIL

PG & RESEARCH DEPARTMENT OF MATHEMATICS



**ADMISSIONS OPEN
2025-2026**

www.holycrossnagl.edu.in
mathematics@holycrossnagl.edu.in

Prospectus



RANK BAND
101-150



TAMILNADU
14th
position



VISION

To empower women globally competent with human values and ethics acquiring academic and entrepreneurship skills through holistic education.

MISSION

- To create opportunities which will ensure academic excellence in critical thinking, humanistic and scientific inquiry.
- To develop application-oriented courses with the necessary input of values.
- To create a possible environment for innovation, team spirit and entrepreneurial leadership.
- To form young women of competence, commitment and compassion





Rd, Thollavilai, Nagercoil 629002

About the department.....

The Mathematics Department of Holy Cross College was established in 1965 with the introduction of the Pre-University Course (PUC), marking the start of its strong academic foundation. It celebrated its diamond jubilee in unison with the College and grew progressively with the commencement of the undergraduate programme in 1966 and the postgraduate programme in 1978. In recognition of its academic growth and faculty dedication, the Department was elevated to the status of a Research Department in 2018. Committed to nurturing analytical reasoning, problem-solving abilities, and a deep appreciation for the elegance and power of mathematics, the Department continues to motivate students in their pursuit of excellence, guided by strong moral principles and spiritual inspiration.

Highlights of the Department

- UGC Qualified Faculty
- Technology focussed courses
- MOOCS, SWAYAM/NPTEL, Online Courses
- Courses in emerging fields like Data Science and Machine Learning
- ICT enabled Teaching Learning/ Smart Class Facilities
- Bridge Mathematics and Communicative English Courses
- Employability/ Entrepreneurial/ Life Skills Training
- Outreach Programme- RUN(Reaching Unreached Neighbourhood)
- Career opportunities extended by the Placement Cell
- Mentor ward and Remedial coaching
- NET/SET/ Bank/ TNPSC Exam Coaching
- Mathlets
- Industry Linked Internship Programmes
- Government & Institution Scholarships
- Value Added/ Certificate/Extra Credit Courses
- A week-long celebration of National Mathematics Day
- Celebration of National Science Day and Global Mathematics Day
- International/ National Conferences
- Mathematics Club
- Lecture Series for Quality Research





UG PROGRAMME:

Sanctioned Strength: 48 ✓

Eligibility: Mathematics, Physics, Chemistry in +2 ✓

PG PROGRAMME:

Sanctioned Strength: 29 ✓

Eligibility: B.Sc Mathematics ✓

RESEARCH PROGRAMME:

Eligibility: As Per M.S University Guideliness ✓

FEE STRUCTURE:

<https://holycrossngl.edu.in/Admission/ApplicationFeeDetails>

SYLLABUS

Syllabus: <https://holycrossngl.edu.in/Academic/Syllabus>

ENROLL NOW!

www.holycrossngl.edu.in

MORE INFORMATION: ☎ +919788738202 ✉ Mathematics@holycrossngl.edu.in



STUDENT-CENTRIC TEACHING LEARNING METHODS

EXPERIENTIAL LEARNING

- DEMONSTRATION WITH MODELS
- INTERNSHIP
- EXHIBITION
- INDUSTRIAL VISIT
- PAPER PRESENTATION
- REAL WORLD PROBLEM SOLVING

PROBLEM SOLVING

- TRIAL AND ERROR METHOD
- ALGORITHMIC APPROACH
- ANALYZING DATA
- BREAKDOWN THE PROBLEM
- LATERAL THINKING
- QUIZ

PARTICIPATORY LEARNING

- PROBLEM SOLVING
- PRESENTATION
- PROJECT BASED LEARNING
- POSTER MAKING
- PARTICIPATION IN COMPETITIONS
- THINK-PAIR-SHARE

ICT TOOLS

- SOCRATIVE
- QUIZIZZ
- NEARPOD
- EDMODO
- SLIDO
- PADLET
- GAMMA
- CHATGPT



CAREER COUNSELLING AND GUIDANCE FOR COMPETITIVE EXAMINATIONS

- CAREERS FOR MATHEMATICS GRADUATES IN THE CORPORATE SECTOR
- FUTURE PROSPECTS FOR MATHS GRADUATES
- MASTERING NET/SET: A COMPREHENSIVE GUIDE TO SUCCESS
- OVERCOMING THE CHALLENGES OF COMPETITIVE EXAM PREPARATION
- UNLOCKING COMPETITIVE EXAM SUCCESS WITH MATHEMATICS SHORTCUTS
- NAVIGATING CAREER PATHS AND MASTERING COMPETITIVE EXAMS
- GUIDANCE FOR GROUP IV EXAMINATIONS



Placed



Recruiting Companies

- IBPS National, Central Bank of India
- Employment PF Organisation
- Inspector of CGST & Central Excise, CBIC
- Post Office, Assistant Branch Post Master, Vellore
- Accenture IT Company
- Vertical Solutions
- TVS training and Servives
- AKT Educational Institution, Kallakurichi
- Don Bosco School, Thanjavur
- Sureti Insurance Marketting

PROMINENT ALUMNAE



Mrs. Helen Davidson (EX MP)
Kanyakumari Constituency
(1989-1992)



Dr. R. Kala, Dean of Science,
Manonmaniam Sundaranar
University, Tirunelveli
(1984-1989)



DR. P. JEYANTHI, PRINCIPAL,
GOVINDAMMAL ADITANAR COLLEGE FOR
WOMEN, TIRUCHENDUR (1983-1985)



MRS. PRASHEEBA
AL AMANA SCHOOL, SHARJAH
UNITED ARAB EMIRATES
(2010-2013)



MRS. C. BIJI
TEACHER AT ARMY SCHOOL
TRIVANANTHAPURAM
(1998-2000)



MRS. N. RAJA SUNDARI
PRINCIPAL, RMS INTERNATIONAL
SCHOOL, TIRUNELVELI
(2004-2007)



MRS. JENISHA
OFFICER, ZAND BANK
DUBAI (2010-2013)



MRS. S. ANSELM
SUPERINTENDENT, TAMILNADU
CORPORATION FOR DEVELOPMENT OF
WOMEN, CHENNAI (2004-2009)

STUDENTS ACHIEVEMENTS IN SPORTS

STUDENTS START-STEPS

Mastery

Moon Bake

Heavenly Bites

Annie Ari World

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R.K. Cakes

AL. QALAM Institution

G.S. Resin Art

ie Arts

Alif Henna

