



**KAHM UNITY
WOMEN'S
COLLEGE**



DEPARTMENT OF MATHEMATICS

K.A.H.M UNITY WOMEN'S COLLEGE
NARUKARA POST, 676122
MANJERI, MALAPPURAM

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DEPARTMENT AT A GLANCE



DEPARTMENT OF MATHEMATICS

Established in 1993, the Department of Mathematics has evolved into a vibrant hub of academic excellence and innovation. From its early role as a subsidiary subject to BSc Chemistry and Computer Science, the department launched its full-fledged BSc Mathematics programme in 2014.

We aim to develop mathematical intuition, logical reasoning, and scientific outlook in our students. With strong academic support, hands-on labs, outreach programmes, and national-level exposure, the department empowers women to excel in both academic and professional domains.



DEPARTMENT OF MATHEMATICS

Vision

To support and guide students in developing core mathematical skills, critical thinking, and problem-solving abilities to prepare them for higher studies and promising careers.

Mission

- Cultivate logical thinking and mathematical reasoning.
- Integrate science and mathematics to foster interdisciplinary knowledge.
- Equip students with tools like programming, LaTeX, and algorithmic thinking.
- Prepare students for higher education, research, and careers in STEM fields.



DEPARTMENT
OF
MATHEMATICS



PROGRAMS OFFERED

- BSc Mathematics(CBCSS & FYUGP)



**DEPARTMENT
OF
MATHEMATICS**

FACULTY PROFILE



Dr. Abdul Rof V
MSc, Ph.d, M.Phil, B.Ed



Ms. Ashitha P A
Assistant Professor
(M.Sc.)



Dr. Bajeel P N
Assistant Professor
(M. Sc. Tech., Ph.D.)



Farsana M
Assistant Professor -Ad hoc
(M. Sc., B.Ed)



KEY MILESTONES

- 1993 –Department was established as subsidiary course to BSc Chemistry
- 2014 – Launch of BSc Mathematics Programme
- 2022 – Establishment of Soft Computing Lab
- 2023 – Mathematics Lab at GVHSS Agali (tribal school outreach)
- 2024- Launched BSc Mathematics Honours (FYUG) Programme

INNOVATIVE TEACHING PRACTICES

- Weekly Puzzle Competitions
- Student Seminars & Assignments
- ICT-enabled Classrooms (Smart TVs, LMS, YouTube)
- Math Club Activities – Quizzes, Debates, Integration Bee
- Peer Teaching & Mentoring for Slow Learners
- Scholars' Forum – for Advanced Learners' PG Entrance Prep



DEPARTMENT
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MAJOR OUTREACH PROGRAMMES:

As a part of 30th Anniversary of the College, the Department of Mathematics setup a Mathematics Lab at GVHSS Agali, Attappady, where more than 50% students are tribal

https://www.youtube.com/watch?v=ifa_h1dNJGc





DEPARTMENT OF MATHEMATICS



LEARNING BEYOND THE CLASSROOM



EXPERIENTIAL LEARNING

Nature Camps at Chembra & Wayanad
Industrial Visit to Visvesvaraya Museum,
Bengaluru

ISRO Visit, Veli – learning conic sections &
orbital math

Career Workshops like “Future Focus”

RESEARCH & PUBLICATIONS

4 Scopus-indexed publications co-authored
by students

7 Book Chapters in international peer-
reviewed volumes

CERTIFICATE & ADD-ON COURSES

ILaTeX & Overleaf (100% students use for
projects)

Python Programming Workshops

Math Coding & Digital Poster Making

Problem Solving Workshops (Logic,
Calculus, Number Theory)

Active student participation in:

MTTS camps

NIT Pondicherry workshops

Summer School in Mathematics, CUTN

COLLABORATIONS & MOUS

Govt. Arts & Science College, Kondotty

Sir Syed College, Taliparamba

St. Albert's College, Ernakulam

Bharat Matha College, Thrikkakara

Industrial Partner: MathLab Cochin

COMMUNITY OUTREACH

Mathematics Lab set up at GVHSS Agali, Attappady

Career Guidance sessions for GHSS Karakkunnu

Inter-school Math Talent Test with SBI Manjeri

Poster Presentations on Environmental Mathematics

ACHIEVEMENTS & DISTINCTIVENESS

98.5% Student Progression Rate

100% of students type projects in LaTeX

Active publication culture among UG students

Participation in national math events

Dedicated Math Club and Weekly Engagements

Strong emphasis on empowering rural women through STEM



FUTURE PLANS

- Elevate to a Postgraduate and Research Department
- Encourage more student-led research and paper publications
- Expand Women in STEM initiatives
- Develop competitive exam training programmes
- Deepen industry integration and interdisciplinary collaboration