



ARUL ANANDAR COLLEGE (AUTONOMOUS)

(Reaccredited by NAAC at 'A' Grade with a CGPA of 3.66)
Karumathur – 625 514, Madurai District.

VISION OF THE DEPARTMENT

Enrichment of society through integral development of students with a focus on mathematical innovation

MISSION OF THE DEPARTMENT

- ★ To provide mathematical knowledge and skills for a lifelong learning
- ★ To generate an atmosphere of creative endeavour that supports interdisciplinary collaborations and research
- ★ To develop soft skills and social understanding

HISTORY OF THE DEPARTMENT

- ★ 1971 - Establishment of the Department with UG programme
- ★ 2001 - Co-Education System
- ★ 2004 - Introduction of Self-Financed UG Programme
- ★ 2005 - Introduction of Self-Financed PG Programme
- ★ 2022 - Research Centre (awaiting approval)

CBCS was introduced for UG Aided in the year 2003, for UG SF in the year 2004 and for PG in 2008.

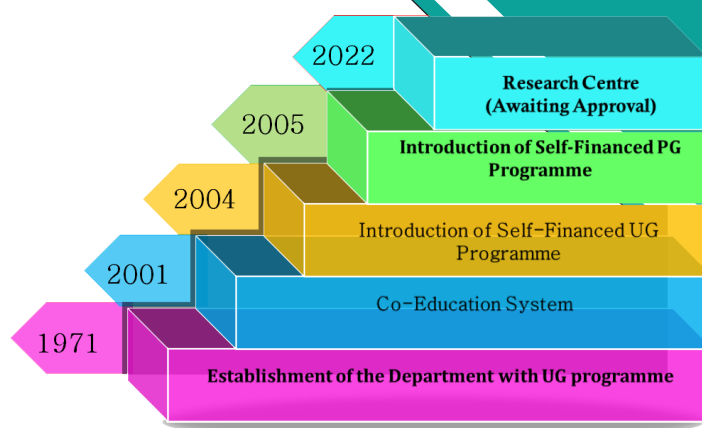
The Outcome Based system of Education (OBE) was introduced in 2019 for UG and in 2020 for PG.

OBE-CBCS CURRICULUM

- Learner centred curriculum
- Special focus on fostering employability, entrepreneurship and skill development
- Internships and projects
- Courses catering to local, regional, national and global needs
- Programme specific outcomes in line with programme outcomes of the college



DEPARTMENT OF MATHEMATICS



FACULTY PROFILE

- 7 Ph.D. Holders
- 6 NET/SET qualified
- 3 Research Supervisors recognized by Madurai Kamaraj University

 Mr. J. Robert Dhillan Assistant Professor		 Dr. M. Gilbert Rani Assistant Professor		 Dr. J. XAVIER ADAIKALARAJ Associate Professor & Head	
 Dr. M. Sajan Joseph Assistant Professor		 Dr. I. Pradeepa Assistant Professor		 Dr. G. Ramkumar Assistant Professor	
 Mr. R. Chinnapparaj Assistant Professor		 Ms. P. Deepika Assistant Professor		 Mr. R. Premkumar Assistant Professor	
		 Ms. R. Yoga Rani Assistant Professor		 Dr. Nivetha Martin Assistant Professor	
				 Ms. N. Angel Assistant Professor	
				 Ms. J. Jenitha Sironmani Assistant Professor	

INCREMENTAL IMPROVEMENTS



Curriculum	Teaching & Learning	Research
• Incorporation of Learning Outcomes-based curriculum framework • Value Added courses for UG • Certificate courses for PG • Internship programmes • Inclusion of skill development courses	• Learner centred teaching • ICT integrated pedagogy • Learning Management system • Blended learning • Increased opportunities for Experimental & Participative Learning	MoU with Institute For Engineering Research & Publication (IFERP) & GTN Arts College, Dindigul Publication of Research Articles SCOPUS - 34 UGC CARE List - 9 Conference Proceedings - 7 Books- 4 Collaborative Patents - 4

UNIQUE TEACHING METHODS

- ★ Experiential Learning
- ★ Participative Learning
- ★ Special focus on slow learners through Remedial classes
- ★ Self-learning courses are offered to advanced learners



ACHIEVEMENTS OF THE STAFF



Dr. M. Gilbert Rani

- ♦ Local coordinator for Mini-MTTS, 2019
- ♦ Excellent Resource Person Award, Research Culture Society, 2020
- ♦ Indo Asian- Maurice Fréchet Distinguished Scientist Award, 2021



Dr. Nivetha Martin

- ♦ UGC Travel Grant Support and Paper Presentation Award, International conference, Kuala Lumpur, 2019
- ♦ Best Paper Award, AMET Deemed to be University, 2021



Dr. Nivetha Martin & Dr. I. Pradeepa

- ♦ Best Article Award from the Journal Neutrosophic Sets and Systems, 2021

EXTENSION

Under the village adoption extension programme, the Department of Mathematics has adopted two villages named Natthapatti and Othapatti



Extension Activities

Health awareness programmes
Medical camps
Veterinary camps
Pongal celebrations & other outreach activities.

The active participation of the students have bagged them the best extension awards. The extension opportunities were a chance for the students to learn and exercise their social responsibilities

MATH MODEL COMPETITION FOR RURAL SCHOOL STUDENTS

A Math Model Competition is organized for the rural school students every year with the prime motto to create an ambience in the school children to pursue higher education in mathematics



ACHIEVEMENTS OF THE STUDENTS

- ★ Staff- Student joint publications in peer - reviewed journals
- ★ Prizes in State Level Inter-Collegiate competitions
- ★ Participation in Mathematical Training Programmes organized by Indian Institute of Space Science and Technology, Thiruvananthapuram and Central University of Tamil Nadu, Thiruvavur

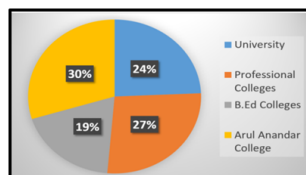
Intra-collegiate achievements

YEAR	Sports Day (March Past)	Camp Fest	Theatre Fest (English Drama)
Prize Positions			
2019-2020	I	I	-
2018-2019	I	I	I
2017-2018	I	II	III
2016-2017	I	II	I



STUDENT PROGRESSION – HIGHER STUDIES (2020-21)

The students take up their higher studies after completing their under graduation programme



MATHEMATICS ASSOCIATION ACTIVITIES

Conferences

Every year the Department of Mathematics conducts conferences at national and international levels on the recent trends in applications of mathematics



MATAAC

MATAAC - a State Level Intercollegiate Mathematical Competition is also conducted every year.



Workshops on Skill Development - Guest Lectures - Online FDP Programmes



ALUMNI CONTRIBUTION

- Alumni as resource persons
- Establishment of endowment



HEALTHY PRACTICES

Student Support through Endowments

GOLDEN MATAAC ENDOWMENT of Rs.1,00,000 constituted by the faculty members of the Department of Mathematics during the year 2019-20.



MATH ALUMNI 1981-84 ENDOWMENT of Rs. 2,00,000 by the Alumni



Pi Mathematical & Womentics Club activities

Club activities for fostering and enriching the mathematical skills of the students



Departmental Bridge course

The Department conducts a Bridge course to make the first year students get acquainted with the fundamentals of mathematical concepts and with a special focus on enabling the students from Tamil medium to get adapted to the new learning environment



UNIQUENESS OF THE DEPARTMENT

Endeavours towards Women Empowerment

- ★ Mentoring the married women students on work-life balance
- ★ Academic & Outreach activities through Womentics Club for empowering girl students
- ★ Encouraging the women students to participate in women empowerment & career counselling programmes
- ★ Research work on women challenges



FUTURE PLANS

The Department has envisioned to achieve the following in the upcoming years

- Collaborative endeavours with industries
- Signing more MoU's with various institutions & research organizations
- Internship on various domains
- Research exposure to UG students
- Staff- student joint research at major level