

State Level Workshop (Hands-on Training) on GeoGebra (A Tool for Mathematical Visualization and Problem Solving)

DATE: 28.1.2025 **TIME:** 10.00 a.m. – 4.00 p.m.

ORGANIZERS: PG and Research Department of Mathematics in association with Auxilium Innovation and Incubation Center (AIIC)

RESOURCE PERSON/GUEST: Mr. Elisha M.Sc., B.Ed., M. Phil., Head Master, Panchayat Union Middle School, Pernambut, Vellore Dt.

TOPIC: State Level Workshop (Hands-on Training) on GeoGebra (A Tool for Mathematical Visualization and Problem Solving)

VENUE: Muriel Block-Maths Lab

BROCHURE OF THE EVENT



Auxilium College (Autonomous)
(Accredited by NAAC with A⁺ Grade in the 4th Cycle)
Gandhi Nagar, Vellore - 632006, Tamil Nadu, India

PG & Research Department of Mathematics
in association with
Auxilium Innovation and Incubation Center (AIIC)
organizes
State Level Workshop
(Hands-on Training)
on
GeoGebra
(A Tool for Mathematical Visualization and Problem Solving)



Date: 28.01.2025
Time: 10 a.m. - 4 p.m.

Venue: Muriel Block (Room No. 2)

Workshop is open to

- UG & PG Students
- Research Scholars
- B.Ed., Students
- Faculty

Certificates will be provided

Registration Fee: Rs. 100/-

Payment Details

Name: All Department
A/C No: 168301000020931
IFSC Code: IOBA0001683
Bank: Indian Overseas Bank
Branch: Auxilium College

Resource Person



S. Elisha Msc., B.Ed., M. Phil.,
Head Master
Panchayat Union Middle School
Pernambut, Vellore District

Registration Link
<https://forms.gle/8R3eRmsdUHTy6The7>

WhatsApp link
<https://chat.whatsapp.com/HU1TM7a0R8RA0rYk8wM0>

Last Date for Registration: 24.01.2025

- Only 50 registered participants can be accommodated.

ABOUT AUXILIUM COLLEGE

Auxilium College founded in 1954, is the first women's college in the Vellore district and is affiliated to the Thiruvalluvar University. Auxilium College was granted the status of autonomy by the UGC and Thiruvalluvar University starting from the academic year 2007-2008. The College has consistently received high accreditation grades from the National Assessment and Accreditation Council (NAAC): A⁺ in 2003, A with a CGPA of 3.41 out of 4 in 2010, A⁺ with a CGPA of 3.55 out of 4 in the 3rd cycle in 2016 and A⁺ again in the 4th cycle in 2024. It is a minority institution established and administered by the Daughters of Mary Help of Christians, commonly known as the Salesian Sisters of Don Bosco, belonging to the Catholic Church.

ABOUT THE DEPARTMENT

The Department of Mathematics was started in 1966, with the single-minded purpose to improve the level of mathematical maturity, logical and analytical thinking among the students from rural areas of Vellore District. The M.Sc. course was started in 1999. From 2010, the department is also offering Ph.D. programme in Mathematics. In a period of five and half decades of its existence, the department has become a full-fledged research department.

ABOUT AIIC

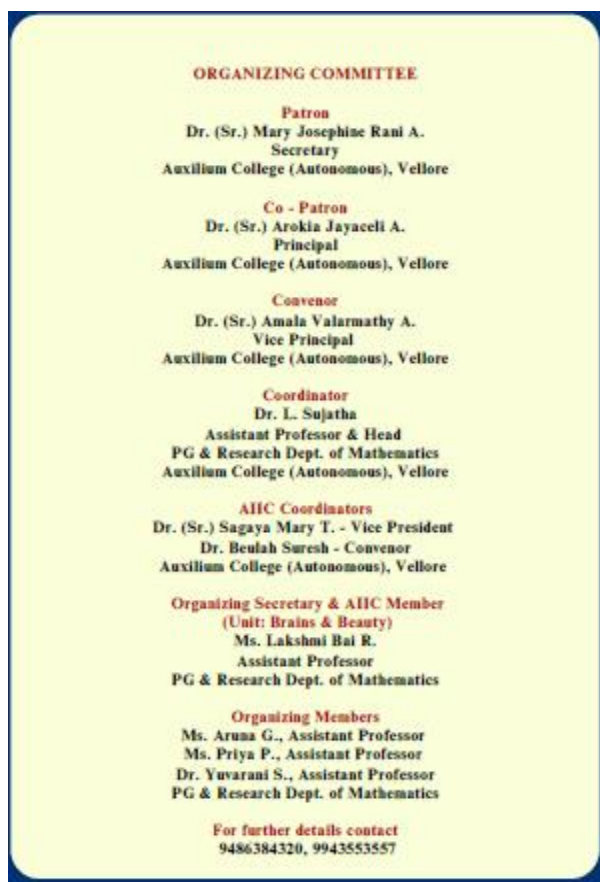
The Auxilium Innovation and Incubation Centre (AIIC) is registered under the Incubation Innovation Council (IIC), Ministry of Education. AIIC promotes incubation and innovation across various departments, encouraging the development of new ventures focused on employability, skill development, and creating business models for the faculty and students of Auxilium College.

ABOUT GEOGEBRA

GeoGebra is a mathematical software tool for learning and teaching mathematics from primary school up to university level. It is indeed an interactive application that integrates geometry, algebra, statistics, and calculus. It supports dynamic and visual learning of mathematical concepts.

TOPICS COVERED IN THE WORKSHOP

- Exploring the Tools of GeoGebra
- Finding the Roots of Trigonometric Functions
- Limits and Continuity
- Differentiation and Integration
- Three-Dimensional Geometry



SUSTAINABLE DEVELOPMENT GOAL(S): -

PARTICIPANTS: 61 participants from various colleges

Research Scholars (Full Time):

1. Ms. Gnanapriya Gnanaprakasam, Research Scholar
2. Ms. Divya Venkatesan, Research Scholar
3. Ms. Saranya Perumal Research Scholar

DESCRIPTION OF THE EVENT / REPORT:

PG and Research Department of Mathematics in association with Auxilium Innovation and Incubation Center (AIIC) organized the State Level Workshop (Hands-on Training) – GeoGebra(A Tool for Mathematical Visualization and Problem Solving) on 28.01.2025. The resource person of the programme was Mr. Elisha Sundarajan, M.Sc., B.Ed., M.Phil., Head Master, Panchayat Union Middle School, Pernambut, Vellore Dt. The felicitation was given by Dr. (Sr.) Amala Valarmathy A., Vice Principal, and Dr. (Sr.) Sagaya Mary T., Vice President of AIIC. Ms. Lakshmi Bai R., Assistant Professor, delivered the welcome address, and Dr. Yuvarani S., Assistant Professor, proposed the vote of thanks.

The workshop focused on the following topic:

- Exploring the tools of GeoGebra
- Finding the roots of Trigonometric Functions

- Limits and continuity
- Differentiation and Integration
- Three-Dimensional Geometry

61 participants from various colleges actively participated in the workshop. The hands-on training session demonstrated how GeoGebra simplifies complex mathematical concepts. The workshop was enriching and provided practical skills for teaching and learning mathematics effectively.



