

## Exhibition

- Department of Basic Sciences, Life Sciences and Computer Science jointly organized Two days "Science Expo Spark 2k25" on 10.09.2025 and 11.09.2025. **944 students (10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> Classes)** participated from Natarajan Dhamayanthi Higher Secondary School, Nagore Crescent School, Nagore, Nagore National Higher Secondary School, Nagore Modern Matriculation, Natarajan Dhamayanthi High School, Antony School, J.Jeya Matriculation School, CSI School, Nagapattinam.
- Prizes were announced for **1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup>** places in the Science Expo and also a prize was given to the department who performed the exhibition well. Department of **Biochemistry** is selected as the Best performance department is the Science Expo "SPARK 2k25"



## Internship

- 7 II B.Sc Physics students attended a **Skill Development Training Programme on Basics of High-Resolution Imaging Techniques and Applications** at CSIR-CERI, Karaikudi from 19.05.2025 to 23.05.2025.
- 8 I M.Sc Chemistry students attended a **Skill Development Programme on Paints and Coatings for Corrosion Protection** at CSIR-CERI, Karaikudi from 19.05.2025 to 23.05.2025.
- 2 I M.Sc Chemistry students participated in "Contemporary Aspects of Chemistry: Summer Training Programme – 2025" at IIT Madras and Science City, Department of Higher Education, Govt. of Tamil Nadu, Chennai from 05.06.2025 to 19.06.2025.
- Fish Processing Machineries and Techniques** was conducted by *Dr.N.Manimehalai* (Dean) and *Dr.P.Karthickumar* (Assistant Professor), College of Fisheries Engineering, Tamil Nadu Dr. J. Jayalalitha Fisheries University from 01.09.2025 to 03.09.2025.
- Skill Training on Medical Lab** was conducted by *Dr.J.Jayaprabu*, Vinayaka Mission Medical College, Karaikal from 12.05.2025 to 20.05.2025, benefiting 8 students.
- Herbarium Methodology and Digitalization** was conducted by Botanical Survey of India, Southern Regional Centre, Coimbatore from 24.11.2025 to 12.12.2025, benefiting 5 students.
- Students of Chemistry, Botany, and Zoology attended an Internship Programme at **ICAR–Krishi Vigyan Kendra, Nagapattinam.**



# ADJADMC



# A.D.M. COLLEGE FOR WOMEN (Autonomous) Nagapattinam - Tamil Nadu DBT STAR College Scheme



## Highlights of the Year 2025–2026

April - September

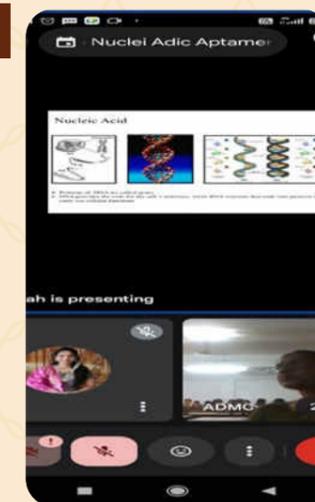
Empowering Science • Innovation • Outreach • Research Excellence

## Year at A Glance

National / International Level Webinar & Seminar <b>3</b>	Outreach Programme School / Public (Village) <b>8</b>	Skill Training and Hands on Workshop <b>24</b>	Educational Field Trip / Industrial Visit <b>3</b>	Guest Lectures <b>3</b>	Motivational Speech <b>1</b>
Seminar /Webinar <b>6</b>	Lecture /Webinar Series <b>4</b>	FDP Programmes <b>1</b>	Exhibition <b>1</b>	Internships <b>8</b>	

## 1. National /International Level Webinar /Seminar

- Nucleic Acid Aptamer for the Diagnosis & Treatment of Cancer** was delivered by *Dr.R.Abdullah*, Apatamer Scientist, Institute for the Advancement of Chinese medicine (IACM) Ltd., Hongkong Aptamer Group, Hongkong on 23.09.2025
- Applied Mathematics in Thermal and Medical Sciences** was delivered by *Dr. S. Pranesh*, Professor & Head, Centre for Mathematical Needs, Department of Mathematics, Christ (DTBU), Bengaluru and *Dr. G. Mahadevan*, Professor & Head, The Gandhigram Rural Institute – DTBU on 02.09.2025
- "Artificial Intelligent (AI) in Radiotherapy from better Diagnosis to Accurate Treatment and Inspiring Tomorrow's Researchers" was delivered by *Dr.C.Senthamil Selvan*, Assistant Professor, Department of Medical Sciences (AIIMS), New Delhi on 26.09.2025



## Outreach Programme- School / Public (Village)

- Skill Training on Value-Added Ready-to-Eat Fishery Products** was conducted from 28.08.2025 to 04.09.2025, benefiting 30 fisherwomen from Akkarai Pettai, Keechankuppam, and Kallar.
- Value-Added Fishery Products & Marketing Strategies** was held on 25.09.2025, benefiting 30 fisher women from Orathur, Nagapattinam.
- Nutrition Millets Food Preparation & Organic Kajal Making** was conducted at Orathur Ooratchi Manra Aluvalagam on 26.09.2025, benefiting 20 women.
- "Bubbles & Beyond" was conducted at Orathur on 26.09.2025, benefiting 20 villagers.
- Illam Thedi Kanitham** was conducted at Nagapattinam from 12.08.2025 to 15.08.2025, benefiting 62 participants.
- Health and Hygiene for Rural Women** was held at Orathur on 23.09.2025, with *Mr. V. Kannan* as Resource Person, benefiting 52 women.
- Electrical Energy Conservation & Safety Measures for Rural Women** was conducted at Orathur, Nagapattinam on 25.09.2025.



- Identification of **Junior Zoologist** was conducted at Natarajan Dhamayanthi HSS, Nagapattinam from 20.08.2025 to 22.08.2025, benefiting 50 students.
- **Safe Animals, Save Society** was conducted by *Dr. M. Arivazhagan* (KVK, TNDJFU, Sikkal) on 29.09.2025.



### Skill Training and Hands on Workshop:

- Bioprospecting Natura Products for Drug Discovery: An Ethnopharmacological Approach
- Scientific Cultivation of Mango
- Alternative to Plant Experiments in Life Science Research” was delivered by *Dr. S. Achiramam*
- Blue Economy Meet Up, Arifa Institute of Technology
- Drone Operating Skills & Digital Marketing
- DREAMGEN – 2025 Business, Startup & amp; Franchise Expo (Investor Meet)
- Importance of Fin Fish and Shell Fish Based Marine Food Products in Human Health
- Recent Trends in Contemporary Value Added Seafood Products
- Skill Development Programme On Biochemical Techniques
- Open Source tools in Chemistry
- A Practical Roadmap for Organic Research with spectroscopic Applications
- Methodologies of Water Quality parameters & Chromatography
- AI Tool Shaping Tomorrow’s Learner & Bioinformatics and NCBI Database Tools
- IOT in Industry 4.0 & AI in Education and Accessibility
- GEN AI , Numerical Computing with SCILAB & Project Writing Skills
- Drone the Future & Embedded System and IOT
- Bio Prospecting Marine Organism: Advantages and Applications



### Educational Field Trip / Industrial Visit

- **Botany Educational Tour** (28–30 Aug 2025 | Coimbatore & Ooty): Students visited advanced laboratories at Bharathiar University, IFGTB–ICFRE, and the Botanical Survey of India, gaining exposure to molecular biology, gene editing, herbarium techniques, biodiversity documentation, and climate-resilient forestry. The tour also included the Tea Factory Museum and Government Botanical Garden, **Ooty**.
- **Industrial Visit to CSIR–CECRI**, Karaikudi (27 Sept 2025): Students gained practical exposure to electrochemical research, laboratory functioning, and industrial applications of electrochemistry.
- **Mathematics Educational Tour** – Planetarium, Tiruchirapalli (21 July 2025): Enhanced conceptual understanding through scientific demonstrations and astronomical learning.



### Guest Lecture

- **“Retort Processing Technology”** was delivered by *Mrs. S. Vimaladevi*, Assistant Professor, Department of Fish Processing Technology, Dr. MGR Fisheries College and Research Institute, Thalainayeru on 05.08.2025.
- **“Strategies to overcome Radiation Resistance in Uterine Cervical Cancer”** delivered a session *Dr.D.S.Prabakaran*, Ph.D (Medicine), Assistant Professor, Department of Biotechnology, SRM Institute Of Science and Technology ,Kattankulathur, Chennai on 22.08.2025.
- **“Applications of Fluid Dynamics in Biotechnology”** delivered a session *Dr.LalrinpuiaTlau*, Assistant Professor, Department of Mathematics, National Institute of Technology Puducherry, Karaikal on 06.08.2025



### Motivational Speech

- **“Basics Science”** delivered by *Dr.M.Pommurugan*, Assistant Professor, Central University of Tamil Nadu, Thiruvavur on 02.09.2025.



**“Great discoveries begin with a strong foundation in basic science.”**

### Seminar /Webinar

- **“PHP Web Application”** – *Dr. S. Arunpandian*, Assistant Professor of CS, Alagappa University, Karaikudi – 12.08.2025
- **“AI for Everyday Impact: Practical Tools to Enhance Learning and Creativity”** – *Dr. Santhosh Paramasivam*, Department of EEE, University of Cagliari, Italy – 14.08.2025
- **“A Flash on Entrepreneurship in Aquaculture”** – *Dr. A. Radha*, Assistant Professor in Zoology, K.N. Govt. Arts College for Women (A), Thanjavur – 13.08.2025
- **“Cloud Computing”** – *Ms. B. Prashanthi*, Assistant Professor of CS, St. Peter’s Institute of Higher Education and Research, Avadi, Chennai – 13.09.2025
- **“Active Server Page”** – *Dr. M. Pandiyan*, Assistant Professor of CS, SRM Institute of Science and Technology, Kattankulathur, Chennai – 16.09.2025
- **“Mastering the Art of Project Writing – From Idea to Final Report”** – *Dr. K. Mohanraj*, Associate Professor, Central University of Tamil Nadu, Thiruvavur – 16.09.2025



### Lecture /Webinar Series

- **“The power of Structure of Group theory in modern Application”** was delivered by *Dr.Ramesh Kumar*, Assistant Professor, VIT Vellore between 22.09.2025 and 26.09.2025.
- **“Programming in Python”** was delivered by *Mrs.K.Kavitha M.E.*, Anna University College of Engineering, Thirukuvalai between 16.07.2025 to 21.07.2025.
- **“Embedded System and IOT”** was delivered by *Mrs.K.Kavitha, M.E.*, Assistant Professor of Computer Science, University College of Engineering, Thirukuvalai between 01.08.2025 to 06.08.2025.
- **“Agricultural Chemistry”** was delivered by *Dr.B.Rajeshwari*, Assistant Professor, Department of Science and Humanities, University College of Engineering, Thirukuvalai between 28.07.2025 to 31.07.2025



### Faculty Development Programme Attended /Organised

- **“Learning Outcome Based Curriculum Framework”** conducted by *Dr.C.Amirthavalli*, IQAC coordinator Madras Christian College and Team members, *Dr.R.Venkataramanujam*, Dean of Humanities, *Dr.V.Mahalakshmi* Dean of Sciences, *Dr.Nirmala Mohan*, Head of Commerce, *Dr.N.NirmalThyagu* Assistant Professor of Physics, *Mrs.E.Punithavathy*, Asst IQAC, MMC on 12.09.2025. 76 faculty members attended this programme.

