



AUXILIUM COLLEGE OF ARTS AND SCIENCE FOR WOMEN

(Affiliated to Bharathidasan University, Tiruchirappalli)

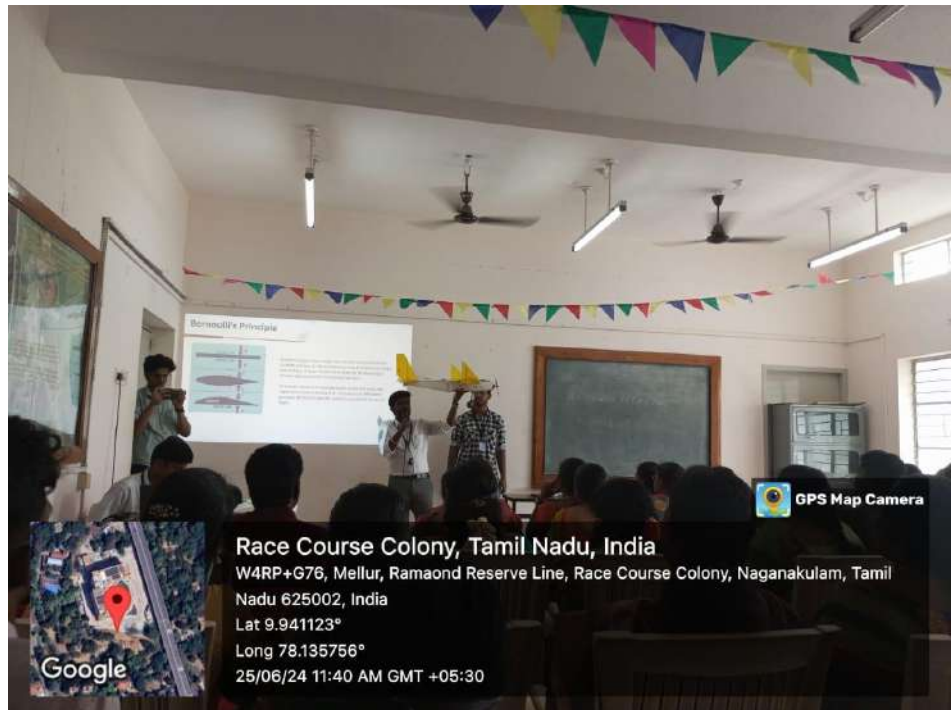
Regunathapuram PO., Karambakudi TK., Pudukkottai (DT) – 622302, Tamil Nadu, India.



NAAN MUDHALVAN FACULTY DEVELOPMENT PROGRAMME

| | |
|-----------------------------|---|
| Name of the Activity | Naan Mudhalvan Faculty Development Programme |
| Date of Activity | 24/06/24 to 29/06/24 |
| Place | Bharathidasan University |
| Mode of Conduct | Off line |
| Time | 9.00 am to 4.30 pm |
| Participants | Faculty : 01 |
| Description | <p>The Department of Physics, Bharathidasan University, in collaboration with Smart Bridge, organized a six-day Faculty Development Program (FDP) on “Drone Pilot Techniques” from 24th to 29th June 2024. Faculty members from various affiliated colleges of Bharathidasan University actively participated in the program.</p> <p>Dr. S. Chitra Devi, Assistant Professor, Department of Physics, Auxilium College of Arts and Science for Women, was among the participants who benefited from the training. The sessions were expertly conducted by Mr. Suresh Kumar, a certified trainer from 360 Flying Club.</p> <p>During the intensive training, Dr. S. Chitra Devi gained in-depth knowledge of drone operations, exploring their significance and wide-ranging real-world applications. The FDP served as a valuable platform to bridge the knowledge gap in drone technology, equipping participants with the skills necessary to incorporate drone-based learning into academic and research practices.</p> <p>Key takeaways included the practical use of drones in surveillance, rescue missions, and other critical domains. Participants also developed a thorough understanding of the operational mechanics of quad copters, including the dynamics of clockwise and anticlockwise motor rotations.</p> |

Photos





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INVITED TALK ON GLASS TECHNOLOGY: TRENDS, INNOVATIONS AND FUTURE DIRECTIONS

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| Activity Name | Invited Talk on “Glass Technology: Trends, Innovations And Future Directions” |
| Date of Activity | 30 .08.2024 |
| Venue | Cauvery College for Women (Autonomous), Trichy. |
| Mode of Conduct | Offline |
| Time | 2.30 pm - 3.30 pm |
| Participants | Students : 30 Faculty: 01 |
| Description | <p>The Entrepreneurship Development Cell and Institutions Innovation Cell of Cauvery College, Trichy, organized a presentation on glass innovations, featuring Dr. P. Evangelin Teresa from the Department of Physics, Auxilium College of Arts and Science for Women, Regunathapuram, as the resource person. The program was inaugurated by Dr. R. Subha, IIC Convener, and followed by a presentation from Dr. P. Evangelin Teresa.</p> <p>Dr. Teresa delivered an insightful talk on glass technology and its applications in the modern world, addressing an audience that included students from various disciplines such as Physics and Chemistry. She began by exploring the "Glass Age" and the techniques used in glass preparation, emphasizing the importance of selecting the correct composition.</p> <p>She explained how modern technologies incorporate glass materials to enhance functionality, helping students understand the emerging trends in glass technology and industrial glass preparation. Dr. Teresa highlighted the need for innovation in glass technology, focusing on increasing device functionality and reducing power consumption during glass production.</p> <p>Students were also educated about the global competition in glass innovation and had the opportunity to clarify their doubts with the speaker. The session concluded with a display of fascinating, futuristic applications of glass, helping students grasp the future significance of glass technology and the challenges that lie ahead. The insights shared by Dr. Teresa were highly informative and beneficial for all attendees.</p> |

Brochure




CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS)
NATIONALLY ACCREDITED III CYCLE
WITH 'A' GRADE BY NAAC
ISO 9001: 2015 CERTIFIED
ANNAMALAI NAGAR, TRICHY-18

**ENTREPRENEURSHIP DEVELOPMENT CELL
&
INSTITUTIONS INNOVATION COUNCIL
ORGANISES**

**"GLASS TECHNOLOGY: TRENDS,
INNOVATIONS AND FUTURE
DIRECTIONS"**

RESOURCE PERSON:
Dr. P. EVANGELIN TERESA
ASSISTANT PROFESSOR,
**AUXILIUM COLLEGE OF ARTS AND
SCIENCE FOR WOMEN,**
REGUNATHAPURAM-622 302

 **30,AUGUST 2024**  **01.30 -2.30 PM**  **C40**

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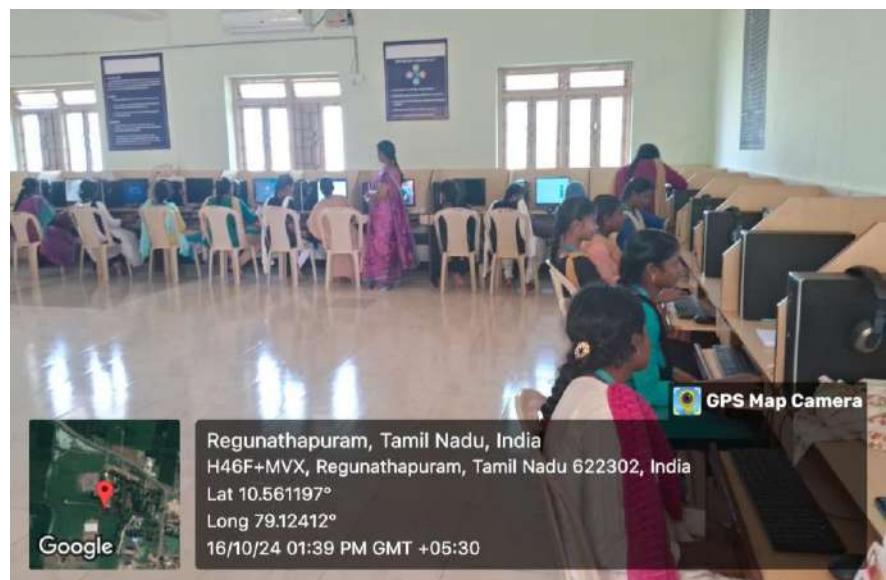
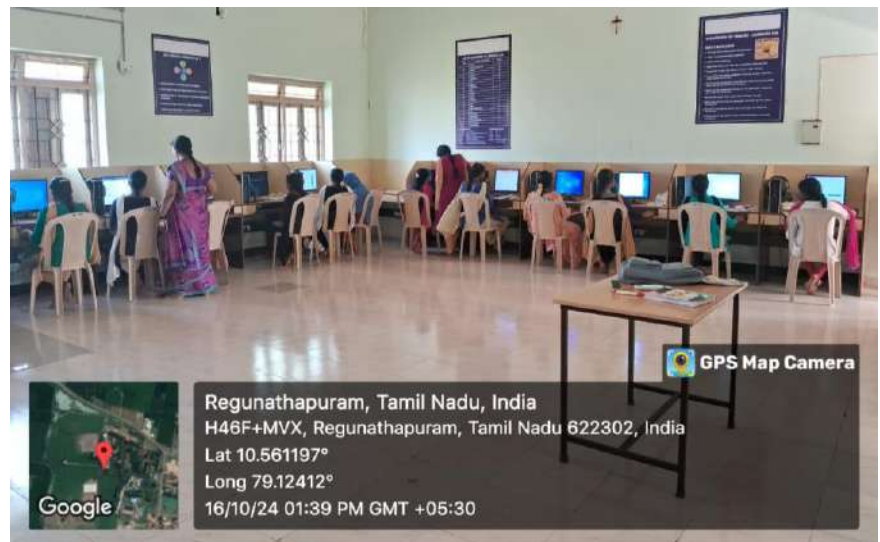
Regunathapuram PO., Karambakudi TK., Pudukkottai (DT) – 622302, Tamil Nadu, India.



NAAN MUDHALVAN FINAL ASSESSMENT

| | |
|-----------------------------|---|
| Name of the Activity | Naan Mudhalvan Final Assessment |
| Date of Activity | 16.10.2024 |
| Venue | Auxilium College of Arts and Science For Women, Regunathapuram |
| Mode of Conduct | Online |
| Time | 12.00 am to 1.30 pm |
| External | Mrs.V. Sudarvizhi, Assistant Professor, Regunathapuram |
| Participants | Students: 12 |
| Description | <p>On October 16, 2024, a group of 12 second-year students from our college participated in the final assessment of the Microsoft Digital Skills Program, conducted as part of the Naan Mudhalvan initiative. The assessment was held online, and all registered students actively took part.</p> <p>The workshop, designed to enhance digital literacy among students, offered comprehensive exposure to Microsoft Office tools through interactive sessions and practical, hands-on training. Students explored the core functionalities of MS Word, Excel, and PowerPoint, enabling them to prepare professional documents, analyze data using functions and charts, and create impactful presentations.</p> <p>This initiative aimed at bridging the digital divide and equipping students with essential 21st-century skills. The knowledge and confidence they gained through this workshop are expected to significantly benefit their academic progress and future professional careers.</p> <p>The enthusiastic participation of students reflected their eagerness to embrace digital technologies, and their successful completion of the program stands as a testament to their readiness to thrive in a technology-driven world.</p> |

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Regunathapuram PO., Karambakudi TK., Pudukkottai (DT) – 622302, Tamil Nadu, India.



NAAN MUDHALVAN ASSESSMENT

| | |
|-------------------------|--|
| Activity name | Naan Mudhalvan Assessment |
| Date of activity | 9 days (45 hours) |
| Mode of conduct | Offline |
| Participants | <ul style="list-style-type: none">➤ Students : 28 Second-Year Undergraduate Students (Physics & Mathematics) – Auxilium College of Arts and Science➤ 38 Students – Government Arts and Science College, Karambakudi. |
| Description | <p>The Nan Mudhalvan program was conducted in collaboration with Chevel Solution Company and Government Arts and Science College, Karambakkudi. Over a span of 45 hours across 9 sessions, Mr. M.C. Saravanan, a software trainer from Chevel Solutions, facilitated engaging and hands-on training in Power BI for students from both institutions.</p> <p>The session-wise schedule was as follows:</p> <ul style="list-style-type: none">➤ January 21, 2025: Introduction to Power BI, career opportunities, and an overview of Data Science and AI➤ January 28, 2025: Basics of Power BI Desktop and connecting to data sources➤ February 4, 2025: Creating reports and understanding visualization fundamentals➤ February 18, 2025: Report sharing, saving, and data transformation using Power Query➤ February 25, 2025: Introduction to data modeling and best practices➤ March 1, 2025: Table integration and advanced data modeling techniques➤ March 10, 2025: Introduction to DAX, calculated columns, and measures➤ April 2, 2025: Logical and conditional functions using DAX➤ April 3, 2025: Overview of Power BI Service, report sharing, and project development <p>The program empowered students with the ability to connect to diverse data sources, build interactive dashboards, and share insights, laying a strong foundation for data-driven decision-making and modern business intelligence.</p> |

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MOULDING FUTURE SCIENTISTS - UNLOCKING CEATIVITY AND CURIOSITY

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|-------------------------|--|
| Activity Name | National Seminar on Moulding Future Scientists: Unlocking Creativity and Curiosity |
| Date of Activity | 13.02.2025 |
| Mode of Conduct | Offline |
| Time | 9.30 am – 1.30 pm |
| Participants | Students:440 Faculty:20 |
| Description | <p>The Internal Quality Assurance Cell (IQAC) and Auxilium Institution's Innovation Cell (AIIC) of Auxilium College of Arts and Science for Women, Regunathapuram collaborated with Don Bosco College, Dhramapuri and organized a National seminar on “Moulding Future Scientists: Unlocking Creativity and Curiosity”. Dr. Daniel Chellapa, Eminent Nuclear Scientist, a distinguished figure in the realm of scientific research was the resource person.</p> <p>The seminar was carried out in two separate sessions for the PG & UGfinal year students and other students in which everyone interacted with Dr.Chellapa and got inspired. He started the sessions by explaining the influence ofscience in India's economic growth. He explained about the possible challengesand opportunities the next generation might face and how it can be tackled. Heshowed the importance of launching satellites for mining coal.</p> <p>Dr. Chellapa highlighted the features of India's Atomic Energy Commission where he and his crew under took the project to produce electricity from sand. He pointed out the various applications of nuclear energy and how it is changing people's lives every day. He further explained the mission about improvising the 30KWatt reactor for electricity production.</p> <p>Dr. Chellapa interacted with the students and made them part take in activities like testing the power of imagination. All the audience actively participated and got benefitted from the session.</p> |

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WORKSHOP ON DESIGN THINKING, CRITICAL THINKING AND INNOVATION DESIGN

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|--------------------------|--|
| Activity Name | Workshop on Design Thinking, Critical thinking and Innovation Design |
| Date of Activity | 17.02.2025 |
| Mode of Conduct | Offline |
| Level of Activity | Level - 2 |
| Participants | Faculty:04 Students:58 |
| Description | <p>On February 17, 2025, the Auxilium Institution's Innovation Council, in collaboration with the Department of Physics, organized an insightful and engaging workshop titled "Workshop on Design Thinking, Critical Thinking, and Innovation Design." The event aimed to equip students with innovative problem-solving approaches and critical thinking strategies to enhance creativity and decision-making.</p> <p>The resource person, Ms. R. Allirani, Convener, AIIC, was warmly welcomed by Ms. P. Punitha, Innovation Ambassador, AIIC, who emphasized the significance of design thinking across various fields and its role in fostering creativity and structured problem-solving. Ms. Allirani delivered an engaging session, covering essential concepts, including:</p> <p>Introduction to Design Thinking - Understanding its core principles and impact on fostering innovation.</p> <p>The Five Steps of Design Thinking:</p> <ul style="list-style-type: none">➤ Empathize – Understanding user needs and emotions.➤ Define – Clearly articulating the problem.➤ Ideate – Brainstorming creative solutions.➤ Prototype – Developing tangible representations of ideas.➤ Test – Refining solutions based on user feedback. <p>Creative Analogy - The Cake Shop</p> <p>To make the concept more relatable, Ms. Allirani compared design thinking to running a cake shop, illustrating how understanding customer needs, experimenting with flavors (prototyping), and refining recipes based on feedback mirror the design thinking process.</p> <p>Interactive Engagement and Conclusion</p> <p>The workshop was highly interactive, with students actively participating in discussions and a lively Q&A session. The event concluded with a Vote of Thanks delivered by Ms. D. Jonshi, Assistant Professor, Auxilium College of Arts and Science for Women, who expressed gratitude to Ms. Allirani, the organizers, and the enthusiastic participants.</p> <p>The workshop was a resounding success, providing students with practical insights into design thinking, critical thinking, and innovation strategies, inspiring them to apply these approaches in real-world problem-solving.</p> |

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NATIONAL SCIENCE DAY

| | |
|--------------------------|---|
| Activity Name | National Science Day |
| Date of Activity | 27.02.2025&28.02.2025 |
| Mode of Conduct | Offline |
| Level of Activity | Level - 3 |
| Participants | Faculty:15 Students: 153 |
| Description | <p>The Auxilium Institution's Innovation Council, in collaboration with the Departments of Mathematics, Physics, Computer Science, and Applications, jointly organized a two-day event to celebrate National Science Day on February 27 and 28, 2025. The event was conducted under the theme "Building Public Trust in Science", emphasizing the role of scientific advancements in society and the importance of fostering trust through knowledge and awareness.</p> <p>Day I: Engaging Competitions to Inspire Scientific Thinking</p> <p>The first day featured two exciting competitions organized by different departments to encourage student participation and critical thinking.</p> <p>Quiz Competition by the Department of Computer Applications</p> <p>The Department of Computer Applications conducted a Quiz Competition, which comprised two rounds:</p> <p>Round 1: A Preliminary MCQ Round, where students answered multiple-choice questions to qualify for the next round.</p> <p>Round 2: A Riddle-based Challenge, designed to test problem-solving abilities and logical reasoning.</p> <p>The competition was judged by esteemed faculty members from various disciplines, including Ms. A. Princiya, Innovation Ambassador; Ms. P. Punitha, Innovation Ambassador; and Ms. D. Keerthi, Assistant Professor, Department of Computer Science.</p> <p>Connection Game Show by the Department of Computer Science</p> <p>The Department of Computer Science organized a Connection Game Show, an interactive and thought-provoking competition designed to assess students' analytical skills and scientific reasoning. The event was judged by Ms. P. Punitha, Innovation Ambassador, and Ms. N. Sengamala Selvi, Head, Department of Computer Applications.</p> <p>Day II: Resource Person Session and Thought-Provoking Competitions</p> |

The second day of the event commenced with an enlightening session by Dr. S. Padmavathi, ARIIA Coordinator, Auxilium Institution's Innovation Council, who delivered an insightful talk on the importance of scientific advancements and their impact on society. Her speech encouraged students to explore innovative ideas and contribute to scientific progress.

MIME Competition by the Department of Mathematics

The Department of Mathematics conducted a MIME Competition based on the theme "The Light of Truth". This competition aimed to convey powerful messages related to the significance of truth and scientific knowledge through creative performances. The competition was judged by Ms. P. Punitha, Innovation Ambassador.

Debate Competition by the Department of Physics

The Department of Physics hosted a Debate Competition on the topic "The Role of Social Media: Can It Help Build Public Trust in Science?". The competition encouraged students to engage in critical discussions on the influence of digital platforms in shaping public perception of science. The event was judged by Dr. A. Leema Rose, NIRF Coordinator, Auxilium Institution's Innovation Council.

Conclusion and Prize Distribution

The two-day celebration witnessed enthusiastic participation from students, who showcased their knowledge, creativity, and analytical skills. Winners were honored with prizes and certificates, which were distributed by the Principal, Vice Principal, and the Resource Person.

The event provided students with a valuable platform to enhance their scientific acumen, develop critical thinking, and gain deeper insights from expert speakers. The National Science Day celebration proved to be an informative, interactive, and intellectually stimulating experience that successfully promoted scientific curiosity and innovation among students.

Brochure

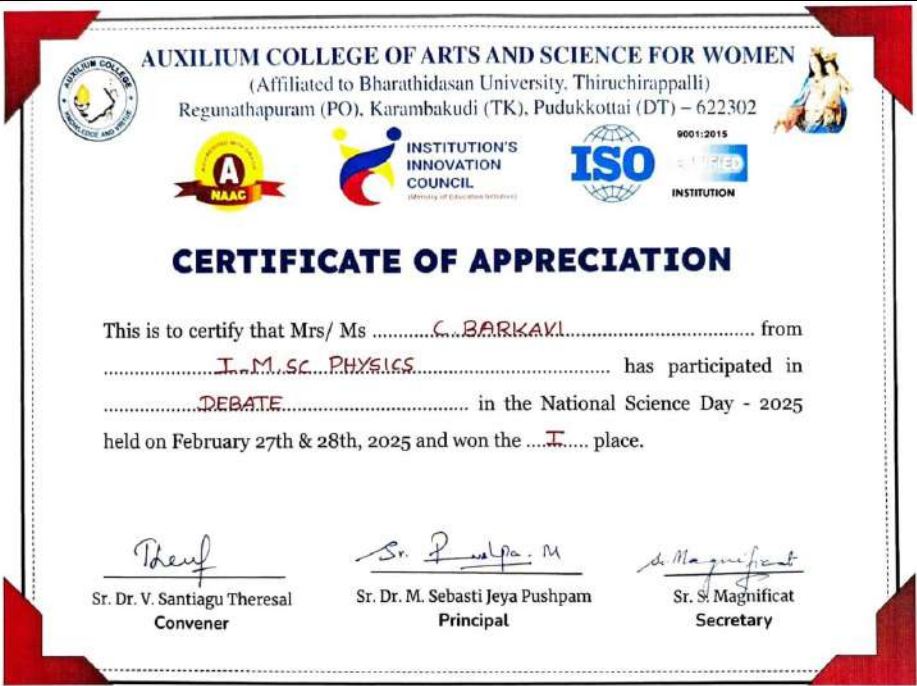


Prize Winners

| Quiz Competition | | | |
|------------------|----------------------|-------------------------|-------|
| S. No | Name | Class | Place |
| 1 | C. Arthi | II – M. Sc Physics | I |
| 2 | S. Inool Shafiya | II - BCA | |
| 3 | B. Rasheedha Mariyam | I - BCA | |
| Connection | | | |
| 1 | A. Anne Dezoula | II – M. Sc Physics | I |
| 2 | S. Safrina | III – BCA | |
| 3 | P. Senbagavalli | III – B. Sc Mathematics | |
| 4 | M. Dhanusha | I – B. Sc Physics | |
| MIME | | | |
| 1 | T. Akalya | II – B. Sc Physics | I |
| 2 | R. Bowthika | II – B. Sc Physics | |
| 3 | R. Boomika | II – B. Sc Physics | |
| 4 | G. Vinothini | II – B. Sc Physics | |
| 5 | P. Vinothini | II – B. Sc Physics | |
| 6 | S. Sumithra | II – B. Sc Physics | |
| 7 | K. Kiran | II – B. Sc Physics | |

| Debate | | | |
|--------|-----------------|------------------------|---|
| 1 | K. Subhatharani | II – M. A Tamil | I |
| 2 | C. Barkavi | I – B. Sc Physics | |
| 3 | G. Sathya | I- M. A. English | |
| 4 | Sneha | II – B. A Tamil | |
| 5 | Suguna | II – B. A Tamil | |
| 6 | Divya | II – B. Sc Mathematics | |
| 7 | M. Dhanusha | I – B. Sc Physics | |
| 8 | Srika | I – B. Sc Physics | |

Certificate



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EXPOSURE VISIT

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|--------------------------|---|
| Activity Name | Exposure Visit to Incubation Unit/Patent Facilitation Centre/Technology Transfer Centre such as Atal Incubation Centre etc. |
| Date of Activity | 20 March, 2025 |
| Mode of Conduct | Offline |
| Level of Activity | Level - 3 |
| Participants | Faculty:02 Students:48 |
| Description | <p>On March 20-21, 2025, the Auxilium Institutions Innovation Council in association with the Department of Physics organized an educational field trip to the Munnar Botanical Garden in Kochi. For many of us, it was our first experience visiting a botanical garden, and it proved to be an enriching and inspiring journey. The trip provided a unique opportunity to explore the intersection of traditional knowledge, scientific innovation, and design thinking. During our visit, we gained valuable insights into entrepreneurship in the field of herbal medicine and the significant role of medicinal plants in both academic research and practical applications. The garden serves not only as a repository of biodiversity but also as a living laboratory, offering immense potential for educational and conservation-oriented projects.</p> <p>The visit introduced us to various research methodologies, particularly those related to ethno botany and phytochemical analysis. We discovered how medicinal plants can be studied, preserved, and even commercialized through innovative, sustainable practices. The presence of a container garden allowed for hands-on learning, where students closely observed the growth patterns, properties, and potential uses of several medicinal herbs.</p> <p>This hands-on approach reflects the principles of design thinking, empathizing with nature, defining real-world problems (like preserving biodiversity or creating eco-friendly solutions), ideating ways to utilize resources, prototyping through practical models, and testing through research-based applications. One of the key areas discussed during the visit was the green synthesis of nano particles using medicinal plants. This sustainable technique uses plant extracts as reducing agents to synthesize nano particles, eliminating the need for harmful chemicals and aligning with eco-friendly innovation.</p> <ul style="list-style-type: none">➤ Examples of Medicinal Plants Used in Green Nano particles Synthesis:➤ Aloe vera➤ Ocimum sanctum (Holy Basil)➤ Solanum trilobatum➤ Alternanthera sessilis➤ Centella asiatica <p>These plants are rich in phytochemicals and have shown great potential in reducing metal</p> |

ions to form nanoparticles. This field of study is a perfect example of how traditional botanical knowledge can merge with cutting-edge nanotechnology to address modern challenges in medicine, agriculture, and environmental sustainability.

Spending time with experts and being immersed in such a resource-rich environment greatly enhanced our understanding and appreciation for both the scientific and cultural importance of medicinal plants. The experience ignited a sense of curiosity and inspired innovative thinking among the students, fostering a deeper commitment to research, sustainability, and interdisciplinary learning.

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Auxilium Institution's Innovation Council

Organizes

Exposure Visit to Munnar Botanical Garden: A Blend of Innovation, Research, and Design Thinking



09.00 am



20 March, 2025



Botanical Garden, Munnar



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NAAN MUDHALVAN FINAL ASSESSMENT

| | |
|-----------------------------|--|
| Name of the Activity | Naan Mudhalvan Final Assessment |
| Date of Activity | 07.04.2025 |
| Venue | Auxilium College of Arts and Science For Women, Regunathapuram, Karambakudi |
| Mode of Conduct | Offline |
| Time | 9.00 am to 1.30 pm |
| External | R. Saranya , Assistant Professor, Department of Physics, Queens College of Arts and Science College For Women, Punalkulam. |
| Participants | Students: 48 |
| Description | <p>As part of the Naan Mudhalvan initiative by the Tamil Nadu Government, the Skill Development Examination in Drone Application and Aerial Survey was successfully conducted for final year B.Sc. Mathematics and Physics students.</p> <p>The course, categorized under the Mathematics stream, was held offline over a period of 9 weeks, from February 12 to April 1, 2025. The final assessment took place on April 7, 2025, at Auxilium College.</p> <p>Students were assessed through a written examination where one question was assigned from each of the nine units in the syllabus. Additionally, the viva voce was conducted based on the students' written responses, allowing for a deeper evaluation of their understanding.</p> <p>A total of 48 students enrolled in and successfully completed the course. The program offered comprehensive insights into drone technology and aerial survey techniques, significantly enhancing students' technical skills and analytical capabilities.</p> |

Photos

