2025

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A Report

on

National Conference on Emerging Trends in Science & Technology for Ecological Conservation

Organized by

Department of Science & Technology, Research & Development Cell

In Association with

Karnataka State Technology Academy (KSTA) Government of Karnataka

14 -15, February 2025

Conference Sponsors

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थावरचंद गेहलोत
THAAWARCHAND GEHLOT
Governor of Karnataka

No. GOV/KAR/MSG/94/2025

MESSAGE

I am glad to know that, the departments of PG studies in chemistry, Science & Technology and Research and Development cell of Surana College Autonomous are organizing a national conference "Emerging Trends in Science and Technology for Ecological Conservation" (ESTEC-2025) on 14th & 15th February 2025 in association with the department of science & technology, Government of Karnataka and have proposed to bring out a Souvenir to commemorate the said occasion.

I am happy to know that the conference, mainly focuses on the latest developments achieved in physical, chemical, biological & environmental sciences towards bettering living standards and societal problems.

I send my best wishes and warm greetings to the Organizers, participants and souvenir team and also for a grand success of the event.

13.2.25

(Thaawarchand Gehlot)

Raj Bhavan, Bengaluru - 560 001 (Karnataka) Ph. 080-22254102 - 108

Preamble

In response to the growing environmental challenges and the pressing need for sustainable practices, the **National Conference on Emerging Trends in Science & Technology for Ecological Conservation** focused on the pivotal role of science and technology in ecological protection. With urgent global issues such as climate change, resource depletion, and biodiversity loss, innovation has become essential. The conference provided a platform for exploring how advances in biotechnology, renewable energy, waste management, and digital technologies can address these ecological concerns.

The event underscored the significant potential of technology to combat pollution, conserve biodiversity, and manage natural resources sustainably. As we move into an era of rapid technological advancements, the conference aimed to inspire the integration of cutting-edge solutions for ecological sustainability.

Event Overview

The conference was held on **14th and 15th February 2025 at Surana College Autonomous, Bangalore-56000**4. It was organized by the Department of Science & Technology and the Research and Development Cell, in collaboration with the Karnataka Science & Technology Academy (KSTA) and the Department of Science and Technology, Government of Karnataka.

Conference Objectives

The National Conference on Emerging Trends in Science & Technology for Ecological Conservation aimed to achieve the following key objectives:

1. *Encouraging the Adoption of Sustainable Technologies:* Promote the integration of sustainable technologies and practices across various sectors, including industry, agriculture, and urban development, with the goal of minimizing environmental impact.
2. *Fostering Multidisciplinary Collaboration:* Facilitate cross-disciplinary partnerships between natural sciences, chemical sciences, data sciences, and policymaking to address the complex challenges associated with sustainability.

3. *Showcasing Emerging Technologies:* Highlight the pivotal role of innovative technologies, such as Artificial Intelligence (AI), the Internet of Things (IoT), renewable energy, and biotechnology, in driving advancements in ecological conservation.
4. *Exploring Policy Frameworks for Sustainability:* Examine the role of policy frameworks in promoting the widespread adoption of sustainable technologies and ensuring their alignment with global environmental objectives.

Overview of the Event

Date: **Friday, 14th February 2025**

Venue: **Seminar Hall, Surana College Autonomous, South End Road, Bangalore**

The inaugural ceremony of the **National Conference on Emerging Trends in Science & Technology for Ecological Conservation** commenced with a warm welcome to all esteemed guests, speakers, and participants at Surana College Autonomous on 14th February 2025. The event began with registration and guest arrival from 8:30 AM to 9:30 AM, where participants were greeted and provided the necessary materials for the conference.

The formal proceedings began at 9:30 AM with the Lighting of the Lamp followed by a beautiful Invocation song, marking the ceremonial start of the event. The ceremony included a Video Tribute to the **Surana Educational Institutions (SEI)**, reflecting on their significant contributions to education and research excellence.

Following the tribute, **Dr. Vanishree M.R.**, Dean of Research & Development at Surana Educational Institutions, delivered the Welcome Address. Her address emphasized the importance of integrating science and technology in the fight for ecological conservation, highlighting the role of academic institutions in advancing sustainable practices.

Dr. Veena K N, Principal of Surana College Autonomous, delivered the Inaugural Address. She shared insights into the need for greater focus on sustainability in educational curricula, urging attendees to embrace technological advancements for environmental protection.

The highlight of the ceremony was the address by the **Chief Guest, *Sri A V Surya Sen, IFS*, Deputy Conservator of Forests and Executive Director of Bannerghatta Biological Park**, who spoke on the topic, "Conserving India's Rich Biodiversity: Leveraging Scientific Innovations for Sustainable Solutions". His session was a deep dive into the crucial need for scientific

innovations to protect India's diverse ecosystems and the vital role of collaborative efforts in this mission. The briefing of the Chief Guest was done by Dr. Malini Shetty, who provided a comprehensive overview of his career and contributions.

The Guest of Honour, **Dr. C P Ravi Kumar, Fellow of INAE and Ex-Director of Talent Development at Texas Instruments,** then delivered a captivating talk on "Applying AI and ML in Eco-Preservation". He explored the transformative potential of Artificial Intelligence and Machine Learning in advancing ecological conservation efforts. His session inspired attendees to consider the application of cutting-edge technologies in preserving natural resources. Ms. Thanushree D. R. introduced Dr. Ravi Kumar, highlighting his achievements in the tech industry.

The ceremony concluded with a Brief on Conference by Dr. Farzana Tasneem MI, who provided an overview of the conference schedule and its objectives, followed by a Vote of Thanks, acknowledging the efforts of the organizing committee, speakers, and participants in making the event a success.

This inauguration set a positive tone for the two-day conference, emphasizing the vital connection between science, technology, and ecological preservation. The event provided a platform for interdisciplinary discussions and collaborations, aimed at addressing global environmental challenges through innovation and sustainable solutions.


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Technical Session - I: Paper Presentations

Date: Friday, 14th February 2025

Time: 11:45 AM – 1:00 PM

The first technical session of the National Conference on Emerging Trends in Science & Technology for Ecological Conservation provided a rich platform for paper presentations in three key tracks: Chemical Science, Physical Science, and Biological Science. Each track saw active participation from researchers, students, and faculty, offering valuable insights into their respective fields of study.

1. **Track 1: Chemical Science**

Session Chair: Dr. H B Muralidhara, Associate Professor, Department of Chemistry, Jyoti Institute of Technology, Bangalore

Faculty Member: Dr. Sureka M

Student Coordinators: Abishek H M & Rakesh

This session focused on advancements in chemical sciences related to ecological conservation, highlighting new methods, materials, and processes that can contribute to sustainable environmental solutions. The chair, Dr. Muralidhara, ensured the smooth flow of discussions while fostering an engaging environment for participants to showcase their research.

2. **Track 2: Physical Science**

Session Chair: Dr. Revana Siddappa M, Professor, Department of Science & Humanities, PESIT

Faculty Member: Mr. Sumuk

Student Coordinators: Pooja & Sunil D C

This session covered cutting-edge developments in physical sciences with a focus on how physical principles and technologies can be applied to solve ecological challenges. Dr. Siddappa led the discussions, encouraging participants to explore innovative approaches in areas like energy conservation, material science, and environmental physics.

3. **Track 3: Biological Science**

Session Chair: Dr. Susweta Das, Assistant Professor, Department of Biotechnology, School of Basic & Applied Sciences, Dayananda Sagar University

Faculty Member: Dr. Farzana Tasneem MI

Student Coordinators: Shyam Sundar B N & Syed Manjahur

The third session brought together experts in biological sciences to discuss the role of biotechnology, ecology, and environmental biology in conservation efforts. Dr. Das chaired the session, emphasizing the intersection of scientific research and practical applications in protecting biodiversity and addressing environmental degradation.

Each track saw active participation from faculty, researchers, and students, presenting novel ideas, strategies, and research findings aimed at promoting ecological conservation through scientific innovation. The session was well-received, fostering collaboration and stimulating further discussions on how science and technology can address the pressing ecological challenges of our time.

Panel Discussion: Microbial Solutions in Environmental Sustainability

Date: Friday, 14th February 2025

Time: 2:00 PM – 3:15 PM

Venue: Seminar Hall, Surana College Autonomous

The afternoon session of the National Conference on Emerging Trends in Science & Technology for Ecological Conservation featured a thought-provoking Panel Discussion on the topic "Microbial Solutions in Environmental Sustainability". This engaging panel brought together distinguished experts from various fields, highlighting the potential of microbial technologies in addressing environmental challenges.

Moderator:

Dr. S T Nandibewoor, Emeritus Professor, Karnataka University, Dharwad
Dr. Nandibewoor, with his extensive experience in environmental sciences and academic leadership, moderated the discussion, ensuring a balanced exchange of ideas and encouraging interaction among the panelists and the audience. His insightful questions provided a comprehensive perspective on how microbial solutions can be integrated into sustainability efforts.

Panel Members:

1. **Dr. Malappa Kumara Swamy, Principal, East West College of Science**

Dr. Kumara Swamy shared insights on how microorganisms can be harnessed for sustainable agricultural practices. His expertise in the field of agricultural biotechnology showcased how microbes can improve soil health, promote plant growth, and reduce the need for chemical fertilizers and pesticides. His work emphasizes the importance of integrating microbial solutions into sustainable farming systems for long-term ecological balance.

2. **Dr. Mahesh, Director, Azyme Bioscience Pvt. Ltd.**

Dr. Mahesh provided valuable insights into the industrial applications of microbes, particularly in biofuel production and waste-to-energy processes. He elaborated on how microbial technology is playing a crucial role in developing eco-friendly biofuels, reducing carbon footprints, and providing renewable energy sources. His research has contributed to creating efficient microbial solutions that aid in energy production while addressing environmental concerns.

3. **Ms. Amala M Anil, Education Officer, Bannerghatta Biological National Park**

Ms. Anil shared her expertise on the role of microorganisms in biodiversity conservation and ecosystem health. She discussed the ways in which microbial life forms contribute to

maintaining ecological balance, particularly in protected areas like Bannerghatta Biological Park. Her insights underscored the interconnectedness of all life forms, including microbes, in sustaining ecosystems and biodiversity.

Discussion Highlights:

The panelists provided a diverse range of perspectives on how microbes can contribute to environmental sustainability across various sectors. The discussion covered:

- *Bioremediation:* The ability of microbes to break down pollutants, including oil spills, heavy metals, and agricultural runoff, was explored as a solution for cleaning contaminated sites.
- *Waste Management:* The panelists delved into microbial solutions for composting and converting organic waste into valuable resources such as fertilizers and biofuels.
- *Agriculture and Ecosystem Health:* The potential for using microbes to enhance soil health, promote plant growth, and reduce dependency on harmful chemicals was emphasized.
- *Renewable Energy:* The role of microbes in producing sustainable biofuels and providing alternative energy sources to reduce reliance on fossil fuels was discussed in-depth.

The session highlighted the immense potential of microbial solutions in achieving environmental sustainability goals. It also emphasized the need for continued research and collaboration among academia, industry, and governmental bodies to unlock the full potential of microbial technologies.

The panel discussion concluded with a strong call for increased investment in microbial research and development, along with the implementation of microbial solutions in policy frameworks and industry practices. The insights shared by the panelists contributed significantly to the broader conversation on environmental sustainability and the role of science and technology in mitigating ecological challenges.

MC for the Session: Dr. Sumaiya Tabassum ensured the session proceeded smoothly and kept the audience engaged throughout the discussion.







How can we help
• Doing less is more!
• Take inspiration from nature
• Do not tease or feed wildlife
• Plant native tree species
• Co-existence
• Adopt eco friendly practices
• Illegal pet trade : affects ecosystem and the microbes!


Technical Session II: Paper Presentations and Poster Presentation

Date: Friday, 14th February 2025
Time: 3:30 PM – 5:00 PM
The second technical session of the National Conference on Emerging Trends in Science & Technology for Ecological Conservation featured multiple paper presentations across three key scientific disciplines: Chemical Science, Physical Science, and Biological Science. This session showcased groundbreaking research and innovations that have the potential to drive significant advancements in ecological conservation.

Track 4: Chemical Science
Session Chair: **Dr. H B Muralidhara, Associate Professor, Department of Chemistry, Jyoti Institute of Technology, Bangalore**
Faculty Member: Mr. Ashok H G
Student Coordinators: Tarun Kumar & Rohit Yadav
The Chemical Science track focused on cutting-edge research in materials chemistry, chemical processes, and their applications in environmental sustainability. The papers presented covered topics such as the development of green chemistry solutions, the use of advanced materials for pollution control, and innovations in chemical processes for waste reduction and resource management.

Track 5: Physical Science

Session Chair: Dr. Revana Siddappa M, Professor, Department of Science & Humanities, PESIT
Faculty Member: Dr. Megha G.V.
Student Coordinators: Priyanka & Meghna

The Physical Science track explored how emerging technologies in physics, material science, and environmental engineering are helping to address ecological challenges. Presentations in this session ranged from advancements in renewable energy technologies, including solar and wind power, to the development of sustainable infrastructure. The speakers highlighted the intersection of physical science and environmental sustainability, emphasizing how scientific principles can be leveraged to create a more sustainable future.

Track 6: Biological Science

Session Chair: Dr. Susweta Das, Assistant Professor, Department of Biotechnology, School of Basic & Applied Sciences, Dayananda Sagar University
Faculty Member: Dr. Seethalakshmi
Student Coordinators: Siddesh & Ramya

The Biological Science track featured presentations focused on biodiversity conservation, ecosystem restoration, and biotechnological applications in environmental sustainability. The speakers discussed research related to biodiversity monitoring, sustainable agriculture practices, and the role of biotechnology in ecological conservation. This session emphasized

the critical role of biological sciences in preserving ecosystems and enhancing resilience to environmental change.

Poster Presentation

Evaluators:

- **Dr. Venkataramappa, Professor, PG Department of Chemistry, NMKRV, Bangalore**
- **Dr. J R Adarsh, Professor, Department of Chemistry, Global Institute of Technology, Bangalore**

Faculty Coordinator: Dr. Megha G.V.
Student Coordinators: Punith, Venkatesh & Hanumanth Gowda

In addition to the paper presentations, the poster presentation provided an opportunity for participants to showcase their research findings in a visual format. This session featured a diverse range of research on topics related to ecological conservation, sustainability, and environmental protection. The posters were evaluated by two prominent academics, Dr. Venkataramappa and Dr. J R Adarsh, who assessed the quality, innovation, and potential impact of each poster. This session allowed for meaningful discussions between participants and evaluators, fostering academic exchange and collaboration.

The second technical session offered a platform for researchers and academics to present their latest findings and innovations in the fields of chemical science, physical science, and biological science. The session demonstrated the vital contributions of science and technology to ecological conservation and sustainability. It was an opportunity for the academic community to exchange ideas, discuss challenges, and explore solutions that can drive meaningful change in environmental protection and resource management.

Date: Saturday, 15th February 2025
Location: Seminar Hall, Surana College Autonomous

Plenary Session: "Advancements in Melittology: Current Trends and Future Directions"

Time: 10:00 AM – 11:15 AM
Speaker: **Dr. Shubharani R, Scientist, Department of Botany, Bangalore University**

The plenary session on Day 2 of the **National Conference on Emerging Trends in Science & Technology for Ecological Conservation** focused on **Melittology**, the study of bees, an essential yet often overlooked part of the ecosystem. Dr. Shubharani R, a renowned scientist from the Department of Botany at Bangalore University, delivered an insightful presentation on **Advancements in Melittology: Current Trends and Future Directions**.

The session delved into the critical role of bees in ecological sustainability, particularly in terms of **pollination**, which is vital for the reproduction of many plants, including crops and wild species. Dr. Shubharani R emphasized the significance of studying bee populations to understand their role in the food chain and the broader environment. As a key pollinator, the decline of bee species poses serious risks to biodiversity and agriculture.

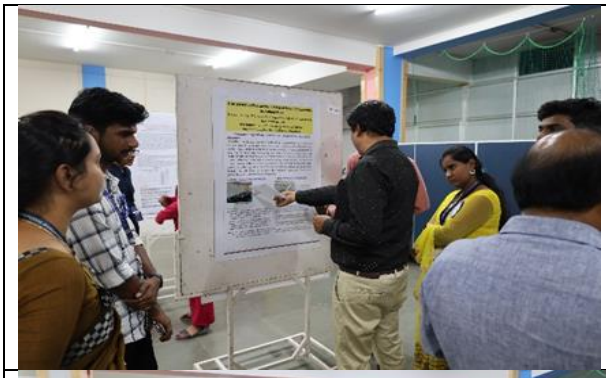
The speaker also discussed the **latest research in bee behavior**, their **habitat preferences**, and the growing concerns surrounding their **decline** due to factors like **pesticides**, **habitat loss**, and **climate change**. Dr. Shubharani provided an in-depth overview of ongoing global efforts to **protect bee species** and the development of conservation strategies, including habitat restoration, sustainable agricultural practices, and research into alternative pollinators.

The session highlighted **innovative methodologies** in melittological research, such as **DNA barcoding** and **remote sensing** tools, that are enabling scientists to track bee populations and their movements in real time. Dr. Shubharani also pointed out the importance of interdisciplinary collaboration between **biologists, environmentalists, and policymakers** to ensure the preservation of bee species and the continued success of pollination-driven ecological processes.

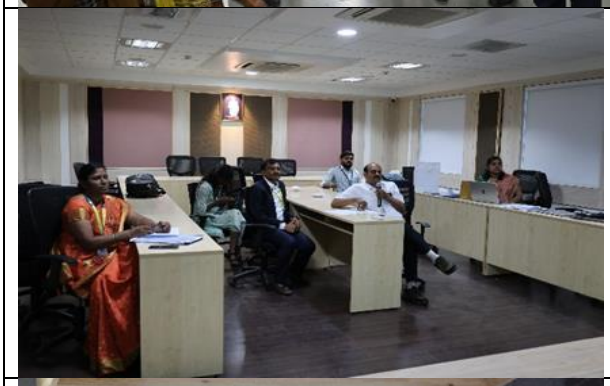
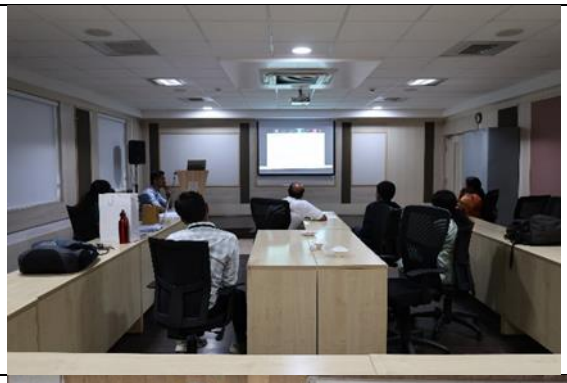
The talk not only shed light on the current trends in Melittology but also encouraged a **forward-looking perspective** on how research in this field can provide solutions for the sustainability of ecosystems worldwide.

Mr. Manicka Vasagam, Director, Shriram Institute for Industrial Research, Whitefield, Bangalore is a prominent figure in the field of scientific research and industrial innovation. Under his leadership, the Shriram Institute has become a hub for cutting-edge research and development, addressing key challenges in various industries. His expertise has brought invaluable insights to the National Conference on Emerging Trends in Science & Technology, where he spoked about industry, academia and researchers integration for groundbreaking innovations and their potential impact on society and the economy.

Dr. Farzana Tasneem, who has been actively involved in organizing plenary session in the conference, served as the MC.





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TECHNICAL SESSION- III: Paper Presentations

Date: Saturday, 15th February 2025
Time: 11:45 AM – 1:00 PM

Track 7: Data Science
Session Chair: Dr. Vinay M, Department of Computer Science, CHRIST (Deemed to be University)
Faculty Member: Dr. Govinda Raju
Student Coordinators: Venkatesh & Punith
In Track 7, the focus was on **Data Science**, a field that plays an increasingly vital role in various domains of scientific research and technological development. This session provided a platform for presenting research papers that explore innovative applications of **machine learning**, **big data**, and **data analytics** in solving real-world problems.

Under the guidance of **Dr. Vinay M**, the session explored how **Data Science** can be leveraged to address critical ecological challenges, such as **predictive modeling** for biodiversity conservation, analysing **environmental data**, and optimizing sustainable resource management strategies. The session showcased the importance of **data-driven solutions** in addressing environmental sustainability, offering valuable insights into how advancements in data science can enhance ecological research.

Track 8: Environmental Science

Session Chair: Dr. A V Raghu, Research Professor, Department of Chemistry, Dayanand Sagar University
Faculty Member: Ms. Neha
Student Coordinators: Siddappaji & Chandan

Track 8 was dedicated to **Environmental Science**, an essential discipline in the context of ecological conservation. This session included presentations that addressed a variety of **environmental challenges**, such as **climate change**, **pollution**, **resource depletion**, and **biodiversity loss**.

Session Chair **Dr. A V Raghu** led the discussion on the integration of **scientific research** and **sustainable practices** to combat environmental issues. The papers presented in this session offered innovative solutions that leverage scientific advancements to mitigate the negative impacts of human activity on the planet. Topics covered included the role of **renewable energy technologies**, **ecosystem restoration**, and the **management of waste** to protect the environment for future generations.

Track 9: Natural Science

Session Chair: Dr. C Ravi Kumar, Professor & Head, Department of Chemistry, East West College of Engineering
Faculty Member: Dr. Divya Dexlin
Student Coordinators: Haristha & Ramya
In Track 9, the focus was on **Natural Science**, with presentations highlighting the fundamental processes that underpin the **ecology** and **biodiversity** of our planet. Session Chair **Dr. C Ravi Kumar** guided the presentations that explored various aspects of **natural science**, including **climate systems**, **ecosystem dynamics**, and the **impact of natural phenomena** on the environment.

The research papers presented in this session emphasized the interconnectedness of **biological**, **chemical**, and **physical** processes in the natural world, offering new insights into the conservation of natural resources. Topics also included **ecosystem services**, **pollination networks**, and **the effects of environmental changes** on species distribution.

Track 10: Data Science (Continued)

Session Chair: Dr. Vinay M, Department of Computer Science, CHRIST (Deemed to be University)
Faculty Member: Dr. Govinda Raju

Student Coordinators: Naveen Kumar & Rakshith

The second part of the **Data Science** track continued the exploration of innovative applications of **data analytics**, **machine learning**, and **artificial intelligence**. This session focused on the growing intersection of **Data Science** and **environmental studies**, including the development of **smart solutions** for monitoring **climate change**, managing **natural resources**, and predicting **environmental trends**.

Presentations explored how **data-driven tools** can offer more **accurate predictions** for ecological conservation, providing researchers with valuable insights to support decision-making processes. The session underscored the significance of **data visualization** and **modelling techniques** in addressing the environmental challenges of the 21st century.

Track 11: Environmental Science (Continued)
Session Chair: Dr. V Raghu, Research Professor, Department of Chemistry, Dayanand Sagar University
Faculty Member: Prof. Marulasiddappa
Student Coordinators: Bhavana C & Gayathri

In the second round of **Environmental Science** presentations, the focus shifted towards **sustainable development**, **green technologies**, and **ecosystem restoration**. The research papers presented explored the role of **policymaking**, **community involvement**, and **scientific innovation** in fostering an environmentally sustainable future.

Session Chair **Dr. V Raghu** led the discussions on how **ecological restoration projects**, such as **wetland reclamation**, **forest regeneration**, and **soil health restoration**, are essential to maintaining ecological balance. Topics also addressed **sustainable agriculture**, **water conservation**, and the role of **environmental science education** in promoting responsible behavior toward natural resources.

Track 12: Natural Science (Continued)

Session Chair: Dr. C Ravi Kumar, Professor & Head, Department of Chemistry, East West College of Engineering

Faculty Member: Ms. Thanushree D R

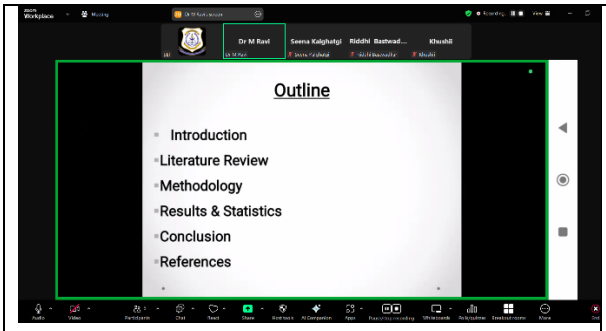
Student Coordinators: Mohit & Rahil

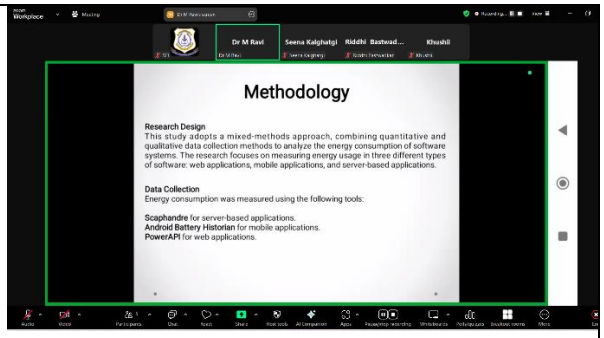
The second part of **Natural Science** presentations delved deeper into the natural world, focusing on **geological processes**, **biogeochemical cycles**, and the **role of natural systems** in regulating the Earth's climate and biodiversity. Session Chair **Dr. C Ravi Kumar** led discussions on how natural sciences contribute to our understanding of the **Earth's systems** and how they can inform **conservation strategies**.

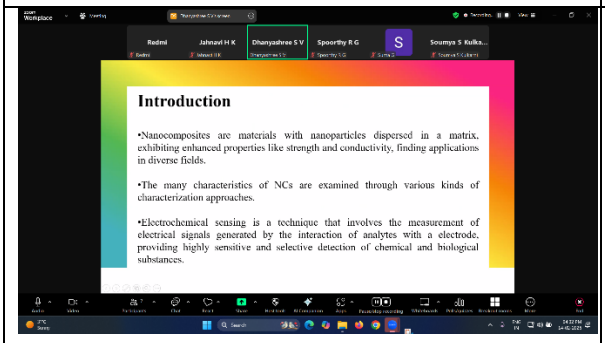
Glimpse of ONLINE TRACK- ALL DISCIPLINES

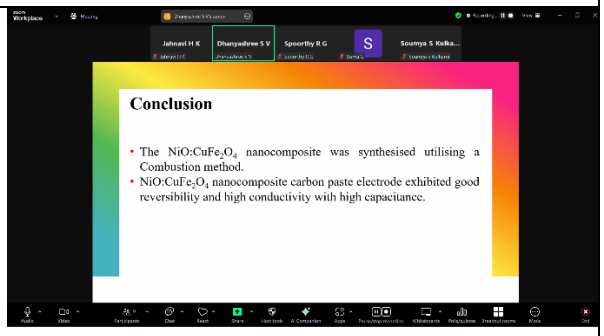
- In the biological sciences sessions, discussions revolved around biodiversity conservation, genetic and microbial approaches for ecosystem sustainability, and the impact of climate change on various species. Data sciences sessions emphasized the role of artificial intelligence, machine learning, and big data analytics in predicting climate change patterns, monitoring biodiversity, and optimizing conservation strategies. These advancements are crucial for making data-driven decisions to protect fragile ecosystems.
- The physical sciences and chemical sciences sessions highlighted technological innovations for sustainability. Researchers presented studies on renewable energy solutions, nanotechnology applications in pollution control, and eco-friendly materials for reducing environmental footprints. Green chemistry approaches, including biodegradable polymers and sustainable industrial processes, were also discussed as viable solutions to mitigate pollution and promote environmental health.

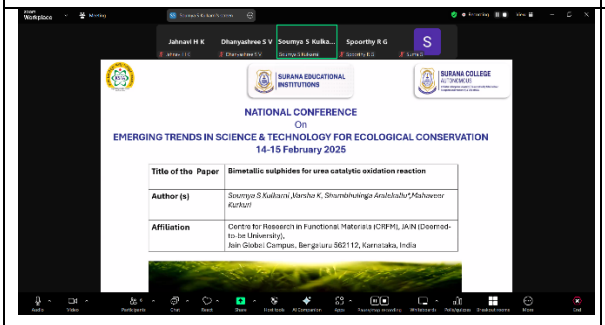
- The environmental sciences segment focused on sustainable agriculture, waste management, and policy-driven ecological conservation strategies. Experts stressed the importance of integrating scientific research with policy frameworks to implement effective conservation measures. The conference concluded with a call for continued interdisciplinary research and technological advancements to address pressing environmental concerns and ensure a sustainable future.

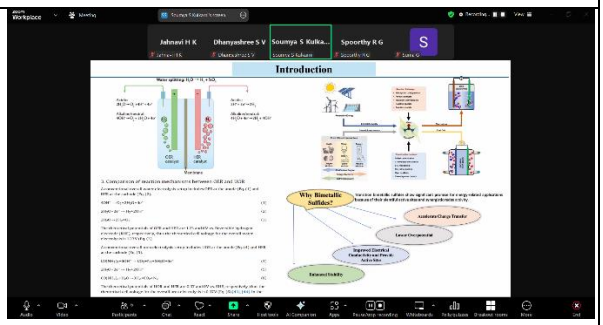


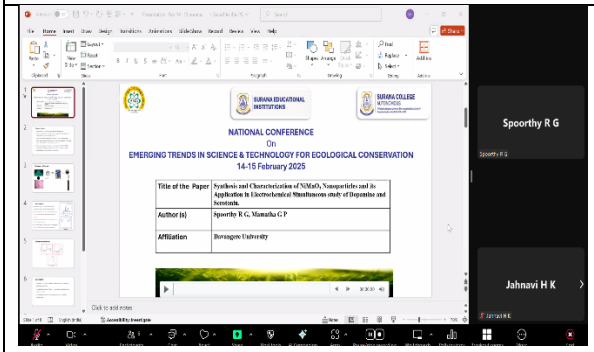


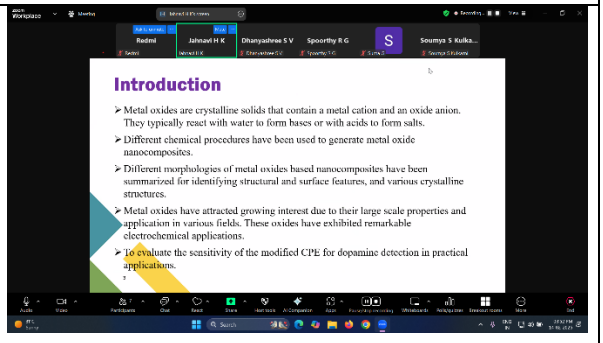












VALEDICTORY CEREMONY
Time: 4:15 PM – 5:00 PM
Location: Seminar Hall, Surana College Autonomous

The **Valedictory Ceremony** of the **National Conference on Emerging Trends in Science & Technology for Ecological Conservation** marked the conclusion of two days of engaging discussions, insightful presentations, and thought-provoking exchanges on key topics in **science and technology for ecological conservation**.

The ceremony began with a **brief recap of the conference's highlights** by Dr. Farzana Tasneem, a key member of the organizing committee. Dr. Tasneem took the audience on a reflective journey through the sessions, discussions, and presentations that had unfolded over the past two days. She summarized the rich exchange of ideas and groundbreaking research presented across various scientific tracks, including **Chemical Science**, **Biological Science**, **Environmental Science**, and **Data Science**.

This session provided a wonderful opportunity to revisit the conference's key takeaways and the meaningful contributions made by all participants, further solidifying the conference's aim of promoting collaboration and innovation in ecological conservation.

One of the highlights of the Valedictory Ceremony was the **announcement of the Best Paper Awards**. These awards recognized the most outstanding research contributions presented during the conference. The selection was based on the **innovative nature of the research**, its **relevance to ecological conservation**, and its potential to drive positive change in the field.

Best Paper Award List

Sl No	Name of the Participant	Institution Name	Title
1	Jayashree. M Y. Venkataramanappa	Department of Chemistry and Research Centre, NMKRV College for Women, Jayanagar	Electrochemical Sensing of Nitrite/Nitrate by Applying NiO-ZnO Bimetal Oxide Nanoparticles Based On Graphene Quantum Dots.
2	U. Prajnashree. Naik Akshatha Nayak	Assistant Professor, Computer Science Department, Mahatma Gandhi Memorial College Kunjibettu	Artificial Intelligence and Machine Learning Applications in Environmental Monitoring: AI-Driven Thermostat Innovations
	Dr. X. D. Divya Dexlin	Assistant Professor, Department of Physics,	Comprehensive Computational and

3		Surana College Autonomous	Experimental Insights into the Molecular Structure, Reactivity, and Pharmacological Potential of L-Glutamic Hydrochloride
	Dr. J. D. Deephlin Tarika		
	D. Jancy		

Best Poster Presentation

Sl No	Name of the Participant	Institution Name	Title
1	Malashri B. S	Department of P.G Studies and Research in Chemistry, Kuvempu University	Synthesis and electrochemical investigation of marigold structure of VSe2/GO as an advanced cathode material for high-performance supercapacitors
	Y. Arthoba Nayaka	Department of P.G Studies and Research in Chemistry, Kuvempu University	
	H. B. Muralidhara	Centre for Incubation, Innovation, Research and Consultancy (CIIRC), Jyothy Institute of Technology, Thataguni, Off Kanakapura Main Road,	
2	Madhu K S		Synthesis and Biological Applications of Benzoxazole Derivative
	Pooja R	Department of PG Chemistry, Surana College Autonomous	
	Abhishek H M,		
	Syed Manjahur Rehaman		
	Puneeth Kumar N K		
	Megha G V		
3	B S Ramesh	Department of Botany, B.M.S College for women	Phytochemical screening of methanol flower extract of Pseuderanthemum carruthersii (Seem.) Guillaumin by using GCMS and FTIR spectrum analysis
	M Geetha		
	Pragna M S		
	Neha Acharya		

Following the awards ceremony, **feedback from participants** was invited to gather insights on their experiences during the conference. The feedback provided valuable perspectives on the conference's organization, the relevance of the sessions, and the overall impact of the event. This segment allowed participants to express their thoughts on how the conference contributed to their learning, networking, and collaboration opportunities in the field of **ecological conservation**.

The **Valedictory Ceremony** successfully concluded the National Conference, leaving attendees with a renewed sense of purpose and enthusiasm to continue their work in the field of ecological conservation, armed with new insights and connections. The

conference not only served as an academic exchange but also emphasized the critical need for multidisciplinary collaboration in shaping a sustainable future.

Dr. Pooja R and Dr. S Bhavana, who had been a key organizer throughout the event, guiding the proceedings with grace and ensuring the smooth flow of the event.

Annexure:

1. **Brochure & Poster**

SURANA EDUCATIONAL INSTITUTIONS

SURANA COLLEGE AUTONOMOUS

NATIONAL CONFERENCE

on

EMERGING TRENDS IN SCIENCE & TECHNOLOGY FOR ECOLOGICAL CONSERVATION (ETSTEC - 2025)

ORGANIZED BY

Department of Science & Technology

&

Research and Development Cell

in Associaion with

Karnataka Science & Technology Academy (KSTA),
Department of Science and Technology, Government of Karnataka

Date: February 14th & 15th, 2025

Venue: Seminar Hall, Surana College Autonomous, South End Road, Bangalore-04.

Background

In the face of expanding environmental challenges, science and technology play an increasingly important role in fostering sustainable solutions. Innovative methods are now required to achieve a harmonious coexistence between environmental preservation and development, given the mounting demands on natural resources and the unfavourable effects of climate change. Emerging advances in biotechnology, renewable energy, waste management, and digital technologies are changing the way we solve global concerns. Technological innovation is critical in solving environmental challenges, as it provides revolutionary opportunities to battle pollution, conserve biodiversity, and assure sustainable resource management. As we enter a new era, it is critical that we harness these technologies to promote sustainable development pathways for future generations.

The aim of the national conference is to bring together professionals, researchers, and thought leaders from a range of scientific fields to discuss and examine state-of-the-art developments that improve sustainability. This conference intends to demonstrate how scientific discoveries, and technological innovation may address some of the most important environmental concerns of our time, considering the growing need to embrace eco-friendly habits.

Conference Objective

The conference on Emerging Trends in Science & Technology for Ecological Conservation aims to address key challenges related to environmental sustainability by leveraging advancements in sciences and technology. The conference typically focuses on fostering collaboration, sharing knowledge and promoting innovative solutions to environmental issues.

- To encourage the adoption of sustainable technologies and practices in industries, agriculture and urban development in minimize environmental impact.
- To foster collaboration between various disciplines viz., natural science, chemical science, data science and policy making to address complex sustainability challenges.
- To showcase emerging trends in technologies such as AI, IoT, renewable energy, and biotechnology that contributes ecological protection.
- To deliberate the role of policy frameworks in driving the adoption of sustainable technologies and how innovations can align with global environmental goals.

Call For Papers

We invite original unpublished papers/case studies from the following disciplines centred around conference theme, but not limited to the listed research areas.

Physical Sciences: Advancements in Physics for Environmental Sustainability, Mathematical Modeling and Simulation, Computational Physics and Data Analysis, Renewable Energy Physics, Nanotechnology and Environmental Physics.
Chemical Sciences: Green Chemistry and Sustainable Processes, Nanotechnology in Environmental Science, Chemical Waste Management and Recycling Technologies, Organic & Pharmaceutical Sustainable Synthesis, Environmental Chemistry and Pollution Control.
Biological Sciences: Biotechnology for Environmental Conservation, Molecular Biology and Genetics for Sustainable Agriculture, Plant Science and Phytoremediation, Computational Biology in Plant Sciences, Sustainable Environment and Biodiversity.
Environmental Sciences: Climate Change and Mitigation Strategies, Global Environment Perspective - SDGs, Interdisciplinary Approaches to Sustainability, Water Resources & Waste Management, Renewable Energy Technologies.
Natural Sciences: Matrix Theory & Control Theory, Number Theory & Operations Research, Statistics & Numerical Analysis, Mathematical Modelling in Data Science, Role of Mathematics in Sustainable Development.
Data Sciences: Artificial Intelligence and Machine Learning for Environmental Applications, Big Data Analytics in Environmental Science, Software Development for Sustainable Solutions, Cybersecurity and Data Privacy in Environmental Monitoring, Human-Computer Interaction (HCI) for Environmental Education.

Guidelines For Authors

1. The extended abstract should contain 800-1200 words. All abstracts must be uploaded in PDF format only (for both poster and oral presentation).
2. The abstract must include the author's name(s), affiliation(s), full postal address, email ID (highlight the corresponding author) along with the title of the paper on the cover page.
3. Once the abstract accepted, the full text of the original & unpublished paper should be submitted (typed in MS word using Time New Roman, font size 12 on A-4 size paper in 1.5 spacing not more than 2500-3000 Words, Reference -APA 6th edition).
4. The papers with plagiarism less than 10 percent will be accepted for conference presentation and further processing for publication.
5. All the selected papers will adhere to double-blind review process.
6. Selected papers will be published in Scopus Indexed Journals. Publication charges should be borne by the authors. Publication in Scopus Indexed Journal will be completely based on publishers' discretion. The conference proceeding will be published with Elsevier (ISBN) which will include the full-length paper.
7. Extended Abstract (pdf only) & Full- Length Paper should be submitted through to ***sei-research@suranacollege.edu.in*** for further acceptance.
8. For poster presentation: Poster should be in portrait orientation with a dimension of 120 cm (lenght) x 80 cm (width). Poster must be include title, abstract, author names and affiliation, methods and result and conclusion.

Important Dates

Abstract submission	10th January 2025
Full-Length Paper Submission	30th January 2025
Registration Deadline	5th February 2025
Conference Dates	14-15 February 2025

Registration

- The registration for conference: *https://forms.office.com/r/5aEMVD7E2T*

Categories	Early Bird Registration Till 10th January 2025	11th January 2025- 12th February 2025	13th February 2025 Onwards
Students (UG & PG Student)	INR 750	INR 900	INR 1000
Research Scholar JRF/SRF/PhD	INR 850	INR 1000	INR 1200
Academician/ Post doc/ Scientist	INR 1000	INR 1250	INR 1500
Industry Professionals	INR 2000	INR 2500	INR 3000

Online payment details

Account Holder Name: PRINCIPAL SURANA COLLEGE
Bank Name: STATE BANK OF INDIA
Bank Branch: JAYANAGAR II BLOCK (BENGALURU)
Account No: 41752158251
IFSC Code: SBIN0003286

Scan & Pay

About The Surana College Autonomous

SURANA COLLEGE Autonomous (est. 1995) under GDA Foundation Trust is affiliated to Bangalore University (u/s 53(5), (& under Karnataka State Universities Act 2000) and is also included under section 2(f) & 12(B) of the UGC Act 1956. The institution has been catering to all sections of society on quality education. Surana College Autonomous has clarity on students' future, both in their career and life. The Institution constantly strives to identify value-additions to the university stipulated curriculum, the college designs balanced inputs of curricular and cocurricular components into its practice.

Surana Educational Institutions, Research & Development Cell, focuses on building strong research ecosystem with its publications, conferences, seminar, patent, external research funded projects and grants, MDP and FDP, consultancy and training deliverables for various stakeholders.

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Dr. Vanishree M.R.
Dean, Research & Consultancy.
Surana Educational Institution

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Prof. & Head, PG Department of Chemistry,
Surana College Autonomous

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Program Coordinator, Dept. of BioTechnology,
Surana College Autonomous
Dr. Surekha M
Professor, PG Dept. of Chemistry,
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Dr. A M Ramesh
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Karnataka State
Technology Academy (KSTA), Bangalore

Dr. Madhusudhan R V
Technical Manager, Indo American Hybrid
Seeds (India) Pvt. Ltd, Channasandra,
Bangalore

Dr. Arathi Sudarshan
Professor & HOD of Mathematics,
Jain University, Bangalore

Dr. Nagaswaroop H P
Professor, Department of Studies in Chemistry,
Davangere University

Dr. Krishna Murthy
Professor, Department of Chemistry,
Bangalore University

Dr. Arthoba Nayak
Chairman, Department of Chemistry
Kuvempu University, Shivamoga

Dr. S T Nandibewoor
Emirate Prof. PG Department of Chemistry,
Dharwad

Dr. Y V Venkataramanappa
Professor & Head,
NMKRV College for Women, Bangalore

Dr. Shubharani
Women Scientist,
Bangalore University

For any further information please feel free to contact through
mail: **sei-research@suranacollege.edu.in** contact our team members-

Dr Surekha M	Mr. T R Marula Siddappa	Dr. Divya Dexlin	Ms. Thanushree D R
+91 9902992281	+91 9945436162	+91 9488387238	+91 8546826355

Executive Committee Members

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PG Dept of Chemistry

Dr. Surekha M
PG Dept of Chemistry

Dr. Farzana Tasneem MI
Dept of BioTechnology

Dr. Sumaiya Tabassum
Dept of Chemistry

Prof. Marulasiddappa
Dept of Mathematics

Dr. Malini Shetty
Dept of Botany

Dr. Seethalaxmi
Dept of BioTechnology

Ms. Vidya A
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Dr. Divya Dexlin
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Mr. Ashok H G
Dept of Chemistry

Dr. Pooja R
Dept of BioTechnology

Dr. S Bhavana
Dept of Bio Technology

Ms. Neha
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Mr. Keshavan
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PG Dept of Chemistry

Ms. Sujatha
Dept of Mathematics

Mr. Sumukha CS
Dept of Physics

KSTA

SURANA EDUCATIONAL INSTITUTIONS

SURANA COLLEGE AUTONOMOUS

NATIONAL CONFERENCE - 2025

EMERGING TRENDS IN SCIENCE & TECHNOLOGY FOR ECOLOGICAL CONSERVATION (ETSTEC - 2025)

Chief Patron
Dr. Archana Surana
Managing Trustee
Surana Educational Institutions

Chief Guest
Sri A V Surya Sen, IFS
Deputy Conservator of Forest and
Executive Director,
Bannerghatta Biological Park

Guest of Honor
Dr. Ravikumar CP
Fellow of INAE
Ex- Director Talent Development,
Texas Instrument, Bangalore.

PANEL MEMBERS

Moderator
Dr. S T Nandibewoor
Emeritus, Professor,
Karnataka University, Dharwad

Dr. Pasupuleti Visweswara Rao
Dean – School of Applied and
Allied Health Science, Reva University

Dr. Mallappa Kumara Swamy
Professor & Principal,
East West College of Science

Dr. Mahesh M
CEO,
Azyme Bioscience Pvt. Ltd.

Amala M Anil
Education Officer,
Bannerughatta Biological National Park

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14th & 15th February, 2025 | Seminar Hall, Surana College - Autonomous, Bangalore
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2. Program Schedule

SURANA COLLEGE
AUTONOMOUS

NATIONAL CONFERENCE

On

EMERGING TRENDS IN SCIENCE & TECHNOLOGY FOR ECOLOGICAL CONSERVATION

14 & 15th February 2025

Program Schedule

INAUGURAL CEREMONY	
Friday, 14th February 2025 at Seminar Hall, Surana College Autonomous	
8:30 -9:30 AM	Registration and Guest arrival
9:30 – 9:40 AM	Lighting of the Lamp & Invocation Song
9:40 – 9:45 AM	Surana Educational Institution VT
9:45- 10:00AM	Welcome Address by **Dr. Vanishree M.R.** Dean, Research & Development, Surana Educational Institutions
10:00 AM – 10:15 AM	Inaugural address by **Dr Veena K N** Principal, Surana College Autonomous
10:15 AM – 10:45AM	Chief Guest: **SRI A V SURYA SEN, IFS** **Deputy Conservator of Forests and Executive Director, Bannerghatta Biological Park** Topic: Conserving India's Rich Biodiversity: Leveraging Scientific Innovations for Sustainable Solutions Briefing of Guest: Dr. Malini Shetty
10:45 -11:00 AM	Guest of Honour: **Dr C P Ravi Kumar** Fellow of INAE Ex- Director Talent Development, Texas Instrument, Bangalore. Topic: **Applying AI and ML in Eco-Preservation** Briefing of Guest: Ms. Thanushree D. R.
11:00 -11:10 AM	Presidential Address by **Dr. ARCHANA SURANA** Managing Trustee, Surana Educational Institutions
11:10 AM – 11:15 AM	Brief on Conference & Vote of Thanks -Dr Farzana Tasneem MI
11:30 AM – 11:45 AM	Tea Break + Photo Session

-*MC*-. Harsitha

Technical Session - I

Friday, 14th February 2025 Paper Presentation	
11:45– 1:00 PM (Room No. Seminar Hall)	**Track 1: Chemical Science** Session Chair: **Dr. H B Muralidhara**, Associate Professor, Department of Chemistry, Jyoti Institute of Technology, Bangalore Faculty Member: Dr. Sureka M Student Coordinator: Abishek H M & Rakesh
11:45– 1:00 PM (Room No. 101)	**Track 2: Physical Science** Session Chair: **Dr. Revana Siddappa M**, Professor, Department of Science & Humaninties, PESIT Faculty Member: Mr. Sumuk Student Coordinator: Pooja & Sunil D C
11:45 – 1:00PM (Room No. 103)	**Track 3: Biological Science** Session Chair: **Dr. Sunil S More,** Professor & Dean, School of Basic & Applied Science, Dayananda Sagar University. Faculty Member: Dr. Seethalaxmi Student Coordinator: Shyam Sundar B N & Syed Manjahur
1:00 – 2:00 PM	Lunch + Photo Session
Friday, 14th February 2025 at Seminar Hall, Surana College Autonomous	
Panel Discussion	
2:00- 3:15 PM	Topic: **Microbial Solutions in Environmental Sustainability** **Moderator : Dr. S T Nandibewoor,** Emeritus Professor, Karnataka University, Dharwad Our Panel Members: 1. **Dr. Puspupathi Vishwara Rao**, Dean – School of Applied and Allied Health Science , Reva University. 2. **Dr. Malappa Kumara Swamy**, Principal, East West College of Science. 3. **Dr. Amala M Anil**, Education Officer, Bannerughatta Biological National Park 4. **Dr. Mahesh**, Director, Azyme Bioscience Pvt. Ltd.
3:15 PM– 3:30 PM	Tea Break + Photo Session

-*MC*-. Dr. Sumaiya Tabassum

Technical Session -II

Friday, 14th February 2025 Paper Presentation	
3:30 PM– 5:00 PM (Room No. Seminar Hall)	**Track 4: Chemical Science** Session Chair: **Dr. H B Muralidhara**, Associate Professor, Department of Chemistry, Jyoti Institute of Technology, Bangalore Faculty Member: Mr. Ashok H G Student Coordinator: Tarun Kumar & Rohit Yadav
3:30 PM– 5:00 PM (Room No. 108)	**Track 5: Physical Science** Session Chair: **Dr. Revana Siddappa M**, Professor, Department of Science & Humaninties, PESIT. Faculty Member: Dr. Megha G.V.

	Student Coordinator: Priyanka & Meghna
3:30 PM– 5:00 PM (Room No. Board Room)	**Track 6: Biological Science** Session Chair: **Dr. Sunil S More,** Professor & Dean, School of Basic & Applied Science, Dayananda Sagar University. Faculty Member: Dr. Seethalakshmi Student Coordinator: Siddesh & Ramya
3:30 – 4:30 PM	**Poster Presentation** **Evaluators:** **Dr. Venkataramappa,** Professor, PG Department of Chemistry, NMKRV, Bangalore. **Dr. J R Adarsh,** Professor, Department of Chemistry, Global Institute of Technology, Bangalore Faculty Coordinator: Dr. Megha G V Student Coordinator: Punith, Venkatesh & Hanumath Gowda
5:00-5:15 PM	Network

Day -2

Saturday, 15th February 2025 at Seminar Hall, Surana College Autonomous	
10:00 AM- 11:15 AM	Plenary Session: Topic: **Advancements in Melittology: Current Trends and Future Directions** Speaker - **Dr. Shubharani R**, Scientist, Department of Botany, Bangalore University.
11:15 AM- 11:45 AM	Tea Break & Snacks + Photo Session

MC- Dr. Farzan Tasneem

TECHNICAL SESSION- III

Saturday, 15th February 2025 at Paper Presentation	
11:45-1:00 PM (Room No. Seminar Hall)	Track 7: **Data Science** Session Chair: **Dr. Vinay M,** Department of Computer Science, CHRIST (Deemed to be University) Faculty Member: Dr. Govinda Raju Student Coordinator: Venkatesh & Punith
11:45-1:00 PM (Room No. 101)	Track 8: **Environmental Science** Session Chair: **Dr. A V Raghu,** Research Professor, Department of Chemistry, Dayanand Sagar University Faculty Member: Ms. Neha Student Coordinator: Siddappaji & Chandan
11:45-1:00 PM (Room No. 103)	Track 9: **Natural Science** Session Chair: **Dr. C Ravi Kumar**, Professor & Head, Department of Chemistry, East West College of Engineering Faculty Member: Dr. Divya Dexlin Student Coordinator: Haristha & Ramya
1:00-2:00 PM	Lunch Break + Photo Session
	Track 10: **Data Science**

2:00 -4:00 PM (Room No. Seminar Hall)	Session Chair: **Dr. Vinay M,** Department of Computer Science, CHRIST (Deemed to be University) Faculty Member: Dr. Govinda Raju Student Coordinator: Naveen Kumar & Rakshith
2:00 -4:00 PM (Room No. 101)	Track 11: **Environmental Science** Session Chair: **Dr. V Raghu,** Research Professor, Department of Chemistry, Dayanand Sagar University Faculty Member: Prof. Marulasiddappa, Student Coordinator: Bhavana C & Gayathri
2:00 -4:00 PM (Room No. 103)	Track 12: **Natural Science** Session Chair: **Dr. C Ravi Kumar**, Professor & Head, Department of Chemistry, East West College of Engineering Faculty Member: Ms. Thanushree D R Student Coordinator: Mohit & Rahil
4:00 4:15 PM	Tea Break & Snacks + Network

VALEDICTORY CEREMONY

Saturday, 15th February 2025 at Seminar Hall, Surana College Autonomous	
4:15-4:30 PM	Glimpse of 2 days National Conference by Dr. Seethalakshmi
4:30-4:45PM	Announcement of Best Paper Awards & Issue of Certificates by **Dr. Veena K N** and **Dr. Naveen Kumar**
4:45-4:50PM	Feedback by the Participants
4:50-5:00 PM	Networking + Photo Session

MC- Dr. Bhavana

Technical Tracker In-charge

- Dr. Pooja R
- Dr. Bhavana

----------**Welcome to All**----------

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Shriram Institute For Industrial Research, Gurugram

3. Registration Details and Attendance Sheet

32	NC-61	Dr. X. D. Divya Dexlin	Assistant Professor, Department of Physics, Surana College (autonomous),	Comprehensive Computational and Experimental Insights into the Molecular Structure,Reactivity, and Pharmacological Potential of L-Glutamic Hydrochloride	
		Dr. J. D. Deephlin Tarika	Assistant Professor, Department of Physics, Mepco Schlenk Engineering College (autonomous),		
		D. Jancy	Assistant professor, Deparment of Physics & Research, Rani Anna Government College for Women		
33	NC-62	Dr. C. Dabora Vincy	Assistant Professor, Department of Physics, Marudhar Kesari Jain College for Women	Computational Investigation of 2, 5-Dihydroxyterephthalic Acid: A DFT-Based Analysis of Structural, Electronic and Biological Properties with Molecular Docking	
		Dr. X. D. Divya Dexlin	Assistant Professor, Department of Physics, Surana College (autonomous)		
34	NC-01	Roopananda M K	Computer Science and Engineering, Proudhadevaraya Institute of Technology,Hosapete,	AI-Driven Job Recommendation System Using Skills Analysis	
		Sriraksha Huilgol			
		E Aishwarya			
		Rajalakshmi			
		S Tanusri			
35	NC-05	Mr. Koushik R	Research Scholar, Department of CSE, VTU	SMART PRODUCE MONITOR: IDENTIFYING HARMFUL CHEMICALS	Koushik R
		Dr. Vikas S			
36	NC-15	Thanuja. M	IS, Sai Vidya Institute Of Techno	Automated Identification of Breast Cancer Type Using Novel Multipath	
		M Pallavi			

		Vishwanath Ankalgi			
49	NC-12	Shweatha S H	Department of Chemistry, Sahyadri Science College	Synthesis Spectral Charectrization Of ZnO-Al2O3 doped NanoCatalyst for Electrochemical detection of 4-	
		Sreekanta S.A			
		Sachin			
50	NC-13	Thanuja. M	ISE, Sai Vidya Institute Of Technology, Yelahanka, Bangalore	PNEUMONIA DETECTION USING MACHINE LEARNING	
		Apoorva K J			
51	NC-21	Thejashree A B	Research scholar, Department of Post Graduate Studies and Research in Applied Botany,Kuvempu University, Shankaraghatta	IN-VITRO ANTI-CANCER PROPERTY OF ETHANOLIC LEAF EXTRACT OF PSYCHOTRIA DALZELLII HOOK.F. AGAIST A549 CELL LINES	
		Dr. Raja Naika	Professor, Department of Post Graduate Studies and Research in Applied Botany, Botany,Kuvempu University, Shankaraghatta		
52	NC-24	Ashwini	Department of Biotechnology and Bioinformatics, Kuvempu University	Phytochemical evaluation of an endangered medicinal plant Sarca asoca.	[illegible]
		Ramachandra Y.L	Department of Biotechnology and Bioinformatics Kuvempu University,		

56	NC-53	Ms. Preethushree	DOS IN Biochemisty, Pooja Bhagvat Memorial Mahajana Education,Centre	Comparative Study of Medicinal properties in *Pentas lanceolata, Hydrangea macrophylla, Chrysanthemum morifolium, Geranium zonal pelargonium and Anthurium andraeanum* , An Ornamental Plants.	
		K.M, Ms. Gayana	DOS IN Biochemisty, Pooja Bhagvat Memorial Mahajana Education,Centre		
		Dr.Farzana Tasneem M I	BSc HOD,Dep: of Biotechnology, Surana College,Autonomous		
		Dr. Naveen Kumar T	Professor and Head of the PG Chemistry, Surana College,Autonomous		
57	NC-59	June Susan Thomas	Christ Deemed to be University	Anti-diabetic activity of fungal endophyte of Azadirachta indica	
58	NC-76	Divya Chithran,	Department of Biotechnology, Rapture Biotech Bangaluru	Exploring the Nexus of Tuberculosis, Hepatitis, and Cardiovascular Risk, and Hepatitis	[illegible]
		Anjali Reena Panicker	Department of Biotechnology, Rapture Biotech Bangaluru		[illegible]
		Gayathri B	Rapture Biotech Bangaluru		
		Annie Jessica Toppo	Rapture Biotech Bangaluru		
59	NC-81	Dr.Maya.M.R	Department of Biotechnology,Administrative Management College	Mycopigments and their prospects in various industries	
		C.M.Mohith Kumaran	Student ,Dept of Biotechnology, Surana College Autonomous	Possibilities Of Developing: An Algae-Based Biofertilizers Enhanced with Biochar for Soil Ph Balancing in	

		T. Naveen kumar	*Department of PG Chemistry, Surana College, Autonomous*		
		D.R. Thanushree	*Department of PG Chemistry, Surana College, Autonomous*		
73	NC-06	Malashri B. S	Department of P.G Studies and Research in Chemistry, Kuvempu University, Shankaraghatta	Synthesis and electrochemical investigation of marigold structure of VSe2/GO as an advanced cathode material for high-performance supercapacitors	Malashri BS
		Y. Arthoba Nayaka	Department of P.G Studies and Research in Chemistry, Kuvempu University, Shankaraghatta		
		H. B. Muralidhara	Centre for Incubation, Innovation, Research and Consultancy (CIIRC), Jyothy Institute of Technology, Thataguni, Off Kanakapura Main Road		
74	NC-14	Nisha K H,	Department of Physics, Kuvempu University	STRUCTURAL, ELECTRICAL AND MAGNETIC PROPERTIES OF PVA	
		J Sannappa			
75	NC-105	Seethalaxmi	Associate Professor, Department of Biotechnology, Surana college, Bangalore.	Marine Life in Peril: The Silent Invasion	
		Anish Bharadwaj	B. Com Student, 2nd Year, Surana college, Bangalore.		
		Brunda M A	Department of Pharmacognosy, M S Ramaiah University of Applied	Anti-haemorrhoidal potential of flavonoid rich Swietenia macrophylla king. leaf extract in experimental	
		Shilpa M			
		K Sundara Saravanan1			

Surana College Autonomous Attending Conference

Research and Development Cell. Department of Science & Technology

NATIONAL CONFERENCE on EMERGING TRENDS IN SCIENCE & TECHNOLOGY FOR ECOLOGICAL CONSERVATION (ETSTEC - 2025)

14-15 Feb 2025

SL NO	Name of the Faculty	Designation	Department	Signature
1	Samitth. R	Student, BIT	ETE	Samitth. R
	Vineeth	Student, BIT	ETE	[illegible]
	Sabari Karmakar.	Faculty.	Science	[illegible]
	Dhanushwaran	Vendor		[illegible]
	Dr. Ravi Kumar	Asso. professor	Chemistry	[illegible]

On Spot Registration

Surana College Autonomous

Research and Development Cell. Department of Science & Technology

NATIONAL CONFERENCE on EMERGING TRENDS IN SCIENCE & TECHNOLOGY FOR ECOLOGICAL CONSERVATION (ETSTEC - 2025)

14-15 Feb 2025

SL NO	Name of the Faculty/Student	Designation / Transaction ID	Department	Signature	Contac
01.	Pragna. M.S, [struck through]	Student [504549037 38]	Department of Botany	P.M.S [illegible]	63634
02.	Neela Acharya	Student [CICAgMjaTuq J6R]	Department of Botany	NeelaAcharya	900803
03.	Maruti. Katti	Scholar.	Department of Chemistry	[illegible]	88848

Surana College Autonomous

Research and Development Cell, Department of Science & Technology

NATIONAL CONFERENCE on EMERGING TRENDS IN SCIENCE & TECHNOLOGY FOR ECOLOGICAL CONSERVATION (ETSTEC - 2025) 14-15 Feb 2025

SL NO	Name of the Faculty	Designation	Department	Signature
1	Dr Vanishree MR	Dean	SEI	
2	Dr Naveen Kumar T	Professor	PG Department of Chemistry	
3	Dr Surekha M	Professor	PG Department of Chemistry	
4	Dr Megha GV	Assistant Professor	PG Department of Chemistry	
5	Ms Thanushree D R	Assistant Professor	PG Department of Chemistry	
6	Dr Farzana Tasneem MI	Associate Professor	Biotechnology	
7	Dr T R Marulasidappa	Associate Professor	Mathematics	
8	Dr Malini Shetty	Associate Professor	Botany	
9	Dr Sumaiya Tabassum	Associate Professor	Chemistry	
10	Dr Seethalaxmi Madhukar Sankolli	Associate Professor	Biotechnology	
11	Mr Keshavan K	Assistant Professor	Mathematics	
12	Mr Ashok HG	Assistant Professor	Chemistry	
13	Dr Pooja R	Assistant Professor	Biotechnology	
14	Dr Bhavana Sompalli	Assistant Professor	Biotechnology	
15	Ms Neha R	Assistant Professor	Botany	
16	Dr Divya Dexlin	Assistant Professor	Physics	
17	Ms Sujatha	Assistant Professor	Mathematics	
18	Mr Sumukha	Assistant Professor	Physics	
19	Mrs. VIDYA A	Associate Professor	Computer science	
20	Mrs. ASHWINI S DIWAKAR	Assistant Professor	Computer science	
21	Mrs. SHRAVANI.B	Assistant Professor	Computer science	
22	Ms. ASHA H	Assistant Professor	Computer science	
23	Mrs. SHOORTHI	Assistant Professor	Computer science	
24	Mrs. PANKAJA BENKAL	Assistant Professor	Computer science	
25	Mrs. MADHUSHREE	Assistant Professor	Computer science	

26	Mrs. GEETHA A.M	Assistant Professor	Computer science	
27	Vidhya HB	Assistant Professor	Computer science	
28	Briti Deb	Assistant Professor	Computer science	
29	Dr.Govindaraj Pandith TG	Assistant Professor	Computer science	
30	Dr. Harish G.U.	CoE		
31	Dr. Nirmal.	Associate Prof	Commerce	
32	Dr. Jagadish M.H	Associate Prof	Commerce & Mgmt	
33	Dr. Soumya R	Associate Prof	Commerce & Mgmt	
34	Prof. Lokeshwari D.V.	Assistant Prof	Commerce & Mgmt	

Surana College Autonomous

Research and Development Cell, Department of Science & Technology

NATIONAL CONFERENCE on EMERGING TRENDS IN SCIENCE & TECHNOLOGY FOR ECOLOGICAL CONSERVATION (ETSTEC - 2025) 14-15 Feb 2025

Sl. no	Paper ID	Name of Authors	Affiliation	Title of the paper	Signature
1	NC-97	Vinay KK	Department of P.G Studies	Investigation on Novel Sulfathiazole	
2	NC-17	K. Upendranath	Department of Chemistry	NiS/MoS_2 Incorporated Sulphur doped	
		R.S. Vishwanath	JAIN (Deemed-to-be University), Jain Global Campus, Bengaluru	Graphitic Carbon Nitride Nanosheets as an Efficient catalyst in the Conversion of 4-Nitrophenol to 4-Aminophenol	
		Mahaveer. D. Kurkuni			
3	NC-16	Pooja K.H	Department of Chemistry, Sahyadri Science College Shimoga	Synthesis Spectral Characterization Of $SrFe_xO_m$ doped NanoCatalyst	
		Parameshwara Naik P			
4	NC-18	Suma G	Department of Chemistry, Sahyadri Science College	Synthesis, structural and photocatalytic properties of metal	
5	NC-19	Krishnamurthy G	Chemistry Research Centre, Sapthagiri NPS University, Bengaluru	Eco-friendly catalytic materials for the synthesis of biodiesel via transesterification of lemon grass oil	
		Ravikantha N			
		Madhusudhan C K			
		Vasantha V T			
6	NC-29	U. Prajnashree. Naik,	Assistant Professor, Computer Science Department, Mahatma	Artificial Intelligence and Machine Learning Applications in Environmental Monitoring: AI-Driven	
	P	Akshatha Nayak			
		Spoorthy R G	Department of Studies in Chemistry, Davangere	Synthesis and Characterization of NiMnO2 Nanoparticles and its	

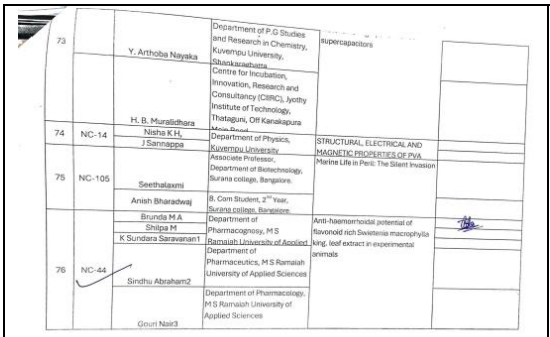
7	NC-29	Mamatha G P	Department of Studies and Research in Industrial Chemistry, Kuvempu University	Application in Electrochemical Simultaneous study of Dopamine and Serotonin.	
8	NC-30	Hina Anjum Kouser	Department of Studies and Research in Industrial Chemistry, Kuvempu University	Highly efficient sunlight-driven photodegradation of azo dye and Cu-doped MoO3 nanopowder	
		H.S Bhojya Naik	School of Chemical Sciences,		
9	NC-32	Varsha K	Centre for Research in Functional Materials (CRFM),JAIN (Deemed-to-be University), Jain Global Campus, Bengaluru	A bimetallic electrocatalyst for efficient oxygen evolution reaction at higher current density	
		Soumya Kulkarni,			
		Shambhulinga Aratekallu,			
10	NC-72	Megha G V	Department of PG Chemistry, Surana College	Synthesis of 4-[(4-hydroxy-2-oxo-2H-1-benzopyran-3-yl)(phenyl)methyl]-3-phenyl-1,2-oxazol-5(4H)-one derivatives as potent biological agents	
		Yadav D. Bodke	Department of P.G. Studies and research in Chemistry. Kuvempu University		
11	NC-77	K. O. Karunasagar	*Department of P.G. Studies and Research in Chemistry, Kuvempu University*	Synthesis, Biological, Computational Studies of Novel Isoxazolone Coupled Azo Moieties and their	
		Yadav D. Bodke			
12	NC-87	Manjunatha C V	PG-Department of Chemistry and Research Centre, NMKRV College for Women, Jayanagar	Synthesis of new pyrimidine derivatives and their electrochemical performance in rechargeable lithium-ion batteries.	
		Vidya gayathri M			
		Y Venkataramanappa			
		Sona Bai M.	Department of Chemistry, APS College of Arts & Science, Bangalore	Preparation, characterization and Electrical properties of polythiophene-zirconium oxide hybrid	

24	NC-96	Megha G V	Autonomous#16, South End Road	microwave digestor and inductive coupled plasma –mass spectrophotometer.	
		Venkatesha G M			
		Harshitha K			
		Tharun Kumar,			
		Meghana			
		Rohith Yadav			
25	NC-101	Surekha M	Department of PG Chemistry, Surana College Autonomous#16, South End Road	Extraction of Biologically active phytochemicals by Tulsi (Ocimum Sanctum) – A Medicinal Source	
		Ramyashree B M			
		Manish Gowda S K			
		Siddesh S H,			
		Dheeraj S,			
		Shyamasundar B N			
26	NC-97	Megha G V,	Department of PG Chemistry, Surana College Autonomous	Synthesis and Biological Applications of Benzoxazole Derivative.	
		Madhu K S,			
		Pooja R,			
		Abhishek H M,			
		Syed Manjahur Rehaman,			
		Puneeth Kumar N K,			
27	NC-100	Naveen Kumar T	Department of PG Chemistry, Surana College Autonomous	Quantitative Evaluation of Nutritional Components in Animal Feed	
		Sunil D C			
		Sagar B S,			
		Rakesh			
		Priyanka N R,			
		Hanamantagouda			
28	NC-22	Neha K H	Department of Physics, Karnatak University, Dharwad	Polymer Composite Electrolyte Pectin/Hydroxypropyl Methyl	
		R.F Bhajantri	Department of Studies and Research in Chemistry, Karnataka State Open University, Mukthagangotri,	Effective Growth and Catalytic Applications of Platinum Doped Ceria (Ce 0.95 Pt 0.05 O2) Through Low Temperature Solution Combustion Methyd	
		G.O.Obaiah			

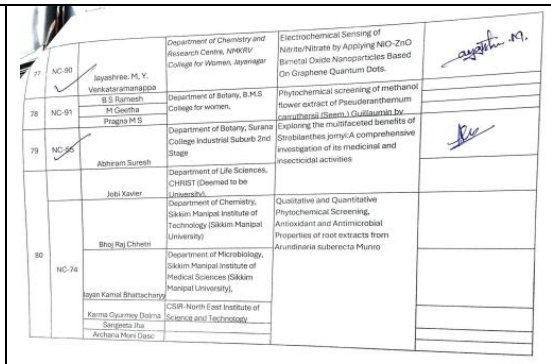
32	NC-61	Dr. I. D. Deephlin Tarika	Assistant Professor, Department of Physics, Mepco Schlenk Engineering College (autonomous)	Glutamic Hydrochloride	
		D. Iancy	Assistant professor, Deparment of Physics & Research, Rani Anna Government College for Women		
33	NC-62	Dr. C. Dabora Vincy	Assistant Professor, Department of Physics, Marudhar Kesari Jain College for Women	Computational Investigation of 2, 5-Dihydroxyterephthalic Acid: A DFT-Based Analysis of Structural, Electronic and Biological Properties with Molecular Docking	
		Dr. X. D. Divya Dexlin	Assistant Professor, Department of Physics, Surana College (autonomous)		
34	NC-81	Roopananda M K	Computer Science and Engineering, Presidency Institute of Technology,Hosapete,	AI-Driven Job Recommendation System Using Skills Analysis	
		Sreeksha Huligol			
		E Aishwarya			
		Rajalakshmi			
		S Tanusri			
35	NC-05	Mr. Koushik R	Research Scholar, Department of CSE,VTU	SMART PRODUCE MONITOR: IDENTIFYING HARMFUL CHEMICALS	
		Dr. Vikas S			
36	NC-15	Thanuja. M	RL Sai Vidya Institute Of Technol	Automated Identification of Breast Cancer Type Using Novel Multipath	
		M Pallavi			
37	NC-31	Mrs. Seena Kalghatgi	Computer Science and Engineering, KLS Gogte Institute Of Technology, Belagavi,	Online Payment Fraud Detection Using Machine Learning Techniques	
		Ms. Khushi Patil			
		Ms. Aarya Mahajan			
		Ms. Pradnya			

62	NC-98	Poornima K.V,	*Department of Biotechnology and Bioinformatics, Kuvempu University*	Isolation of Endophytic fungus *Aspergillus flavus* from *Nyctanthes arbor-tristis* L. Qualitative analysis of	
		Y.L. Ramachandra	Teaching Faculty, Department of Zoology,Jnana Bharathi Campus, Bangalore University, Bangalore	Sustainable management of livestock waste- an ecofriendly approach	
63	NC-08	N Latha.			
64	NC-20	Nayana Kumara G	Research Scholar,Department of P.G. Studies & Research in Environmental Science	Evaluation of water quality index of Hirekere and Dyavanakere water bodies, Shivamogga Taluk, Karnataka	
		Narayana J	Senior Professor, Department of P.G. Studies & Research in Environmental Science		
65	NC-69	Vijayalaxmi Chiniwar	School of Computer Science & Applications, REVA University	Bharat Mahakumbh Mela 2025 and Relation with SDG 11.	
		Vijayakumar .K	Master of Computer Application, BMCSE, Bengaluru		
		Nirmala S Gupta	Master of Computer Application –ACET, ACET, Bengaluru		
		Arya Garg,	Department of Microbiology, Acharya Bangalore B-School, Bangalore	IMPACT OF MICROPLASTIC CONTAMINATION ON SOIL HEALTH AND FERTILITY	

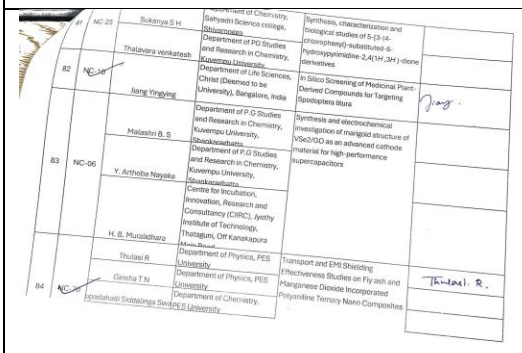
70	NC-36	Keerthi Kumar C Ta	Chemistry, Davangere University,	and Pharmacological studies	
71	NC-50	VINAYA	Senior Grade Lecturer, Department of Chemical Engineering, S.J Government Polytechnic college	Preparation of Liquid soap, Detergent powder and solid soap	
72	NC-83	G.V. Megha	*Department of PG Chemistry, Surana College, Autonomous*	Orange- G as potential corrosion inhibitor for mild steel in acid medium	
		R.S. Vishwanath	*Centre for Research in Functional Materials, JAIN (Deemed-to-be University), Jain Global Campus*		
		K. Upendranath	*Centre for Research in Functional Materials, JAIN (Deemed-to-be University), Jain Global Campus*		
		T. Naveen kumar	*Department of PG Chemistry, Surana College, Autonomous*		
		D.R. Thanushree	*Department of PG Chemistry, Surana College, Autonomous*		
	NC-06	Mallathi B. S	Department of P.G Studies and Research in Chemistry, Kuvempu University, Shankaraghatta	Synthesis and electrochemical investigation of marigold structure of VSe_2/OO as an advanced cathode material for high-performance	



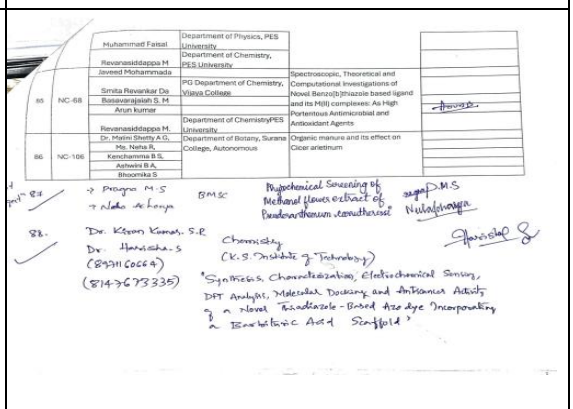
73		Y. Arthoba Nayaka	Department of P.G Studies and Research in Chemistry, Kuvempu University, Shankaraghatta	Supercapacitors	
		H. B. Muralidhara	Centre for Incubation, Innovation, Research and Consultancy (CIIRC), Jyothy Institute of Technology, Thataguni, Off Kanakapura Main Road		
74	NC-14	Nisha K H, J Sannappa	Department of Physics, Kuvempu University	STRUCTURAL, ELECTRICAL AND MAGNETIC PROPERTIES OF PVA	
75	NC-105	Seethalaxmi	Associate Professor, Department of Biotechnology, Surana college, Bangalore.	Marine Life in Peril: The Silent Invasion	
		Anish Bharadwaj	B. Com Student, 2nd Year, Surana college, Bangalore		
		Brunda M A	Department of Pharmacognosy, M S Ramaiah University of Applied Sciences	Anti-haemorrhoidal potential of flavonoid rich Swietenia macrophylla king. leaf extract in experimental animals	
		Shilpa M			
		K Sundara Saravanan1			
76	NC-44	Sindhu Abraham2	Department of Pharmaceutics, M S Ramaiah University of Applied Sciences		
		Gouri Nair3	Department of Pharmacology, M S Ramaiah University of Applied Sciences		



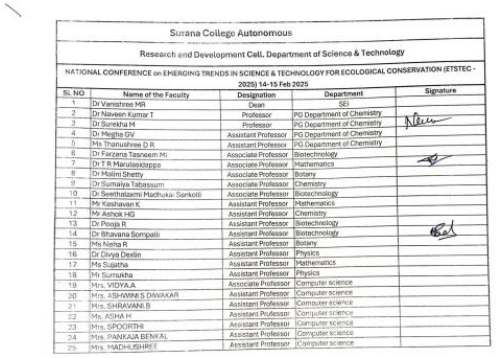
77	NC-90	Jayashree. M. Y. Venkataramanappa	Department of Chemistry and Research Centre, NMKRV College for Women, Jayanagar	Electrochemical Sensing of Nitrite/Nitrate by Applying NiO-ZnO Bimetal Oxide Nanoparticles Based On Graphene Quantum Dots.	
78	NC-91	B S Ramesh	Department of Botany, B.M.S College for women.	Phytochemical screening of methanol flower extract of Pseuderanthemum carruthersii (Seem.) Guillaumin by	
		M Geetha			
		Pragna M S			
79	NC-95	Abhiram Suresh	Department of Botany, Surana College Industrial Suburb 2nd Stage	Exploring the multifaceted benefits of Strobilanthes jonyi:A comprehensive investigation of its medicinal and insecticidal activities	
		Jobi Xavier	Department of Life Sciences, CHRIST (Deemed to be University),		
80	NC-74	Bhoj Raj Chhetri	Department of Chemistry, Sikkim Manipal Institute of Technology (Sikkim Manipal University)	Qualitative and Quantitative Phytochemical Screening, Antioxidant and Antimicrobial Properties of root extracts from Arundinaria suberecta Munro	
		Joyan Kamal Bhattacharyy	Department of Microbiology, Sikkim Manipal Institute of Medical Sciences (Sikkim Manipal University),		
		Karma Gyurmey Doma	CSIR-North East Institute of Science and Technology		
		Sangeeta Jha			
		Archana Moni Dasc			



81	NC-25	Sukanya S H	Department of Chemistry, Sahyadri Science college, Shivamogga	Synthesis, characterization and biological studies of 5-[(3-(4-chlorophenyl)-substituted-6-hydroxypyrimidine-2,4(1H,3H)-dione derivatives	
82	NC-16	Thalavara venkatesh	Department of PG Studies and Research in Chemistry, Kuvempu University,		
		Jiang Yingying	Department of Life Sciences, Christ (Deemed to be University), Bangalore, India	In Silico Screening of Medicinal Plant-Derived Compounds for Targeting Spodoptera litura	
83	NC-06	Malashri B. S	Department of P.G Studies and Research in Chemistry, Kuvempu University, Shankaraghatta	Synthesis and electrochemical investigation of marigold structure of VSe2/GO as an advanced cathode material for high-performance supercapacitors	
		Y. Arthoba Nayaka	Department of P.G Studies and Research in Chemistry, Kuvempu University, Shankaraghatta		
		H. B. Muralidhara	Centre for Incubation, Innovation, Research and Consultancy (CIIRC), Jyothy Institute of Technology, Thataguni, Off Kanakapura Main Road		
84	NC-26	Thulasi R	Department of Physics, PES University	Transport and EMI Shielding Effectiveness Studies on Fly ash and Manganese Dioxide Incorporated Polyaniline Ternary Nano Composites	
		Girisha T N	Department of Physics, PES University		
		Jagadahalli Siddalinga Swamy	Department of Chemistry, JSS University		



		Muhammad Faisal	Department of Physics, PES University		
		Revanasiddappa M	Department of Chemistry, PES University		
		Javeed Mohammada			
85	NC-68	Smita Revankar Da	PG Department of Chemistry, Vijaya College	Spectroscopic, Theoretical and Computational Investigations of Novel Benzo[b]thiazole based ligand and its M(II) complexes: As High Portentous Antimicrobial and Antioxidant Agents	
		Basavarajaiah S. M			
		Arun kumar			
		Revanasiddappa H.	Department of ChemistryPES University		
86	NC-106	Dr. Malini Shetty A.G.	Department of Botany, Surana College, Autonomous	Organic manure and its effect on Cicer arietinum	
		Ms. Neha R,			
		Kenchamma B.S,			
		Ashwini B.A,			
		Bhoomika S			



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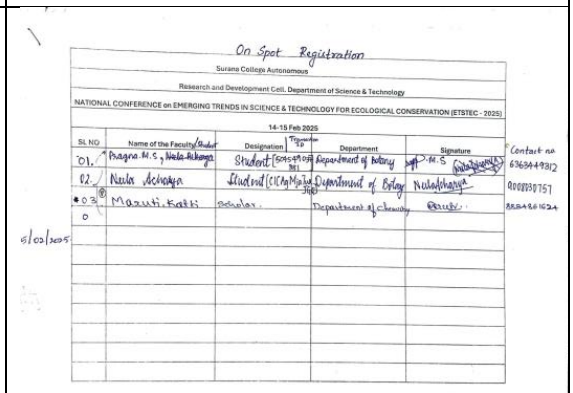
NATIONAL CONFERENCE on EMERGING TRENDS IN SCIENCE & TECHNOLOGY FOR ECOLOGICAL CONSERVATION (ETSTEC - 2025) 14-15 Feb 2025

Sl. NO	Name of the Faculty	Designation	Department	Signature
1	Dr Vanishree MB	Dean	SEI	
2	Dr Naveen Kumar T	Professor	PG Department of Chemistry	
3	Dr.Surekha H	Professor	PG Department of Chemistry	
4	Dr Megha GV	Assistant Professor	PG Department of Chemistry	
5	Ms Thanushree D R	Assistant Professor	PG Department of Chemistry	
6	Dr Farzana Tasneem Mi	Associate Professor	Biotechnology	
7	Dr T R Manulakdappa	Associate Professor	Mathematics	
8	Dr Malini Shetty	Associate Professor	Botany	
9	Dr Sumaiya Tabassum	Associate Professor	Chemistry	
10	Dr Seethalaxmi Madhukai Sankolli	Associate Professor	Biotechnology	
11	Mr Keshavan K	Assistant Professor	Mathematics	
12	Mr Ashok HG	Assistant Professor	Chemistry	
13	Dr Pooja R	Assistant Professor	Biotechnology	
14	Dr Bhavana Somgalli	Assistant Professor	Biotechnology	
15	Ms Neha R	Assistant Professor	Botany	
16	Dr Divya Dextin	Assistant Professor	Physics	
17	Ms Sujatha	Assistant Professor	Mathematics	
18	Ms Sumukha	Assistant Professor	Physics	
19	Mrs. VIDYA A	Associate Professor	Computer science	
20	Mrs. ASHWINI S DWAKAR	Assistant Professor	Computer science	
21	Mrs. SHRAVANI B	Assistant Professor	Computer science	
22	Ms. ASHA H	Assistant Professor	Computer science	
23	Mrs. SPOORTHI	Assistant Professor	Computer science	
24	Mrs. PANKAJA BENKAL	Assistant Professor	Computer science	
25	Mrs. MADHUSHREE	Assistant Professor	Computer science	



On Spot Registration

Surana College Autonomous

Research and Development Cell, Department of Science & Technology

NATIONAL CONFERENCE on EMERGING TRENDS IN SCIENCE & TECHNOLOGY FOR ECOLOGICAL CONSERVATION (ETSTEC - 2025)

14-15 Feb 2025

Sl. NO	Name of the Faculty/Student	Designation	Department	Signature	
01.	Pragna M.S, Neela Achaya	Student [Research Scholar]	Department of Botany		Contact no 6363449312
02.	Neela Achaya	Student [CIC Mysuru]	Department of Botany		9008930757
03	Mazuti. Katti	Scholar.	Department of Chemistry		8884861024
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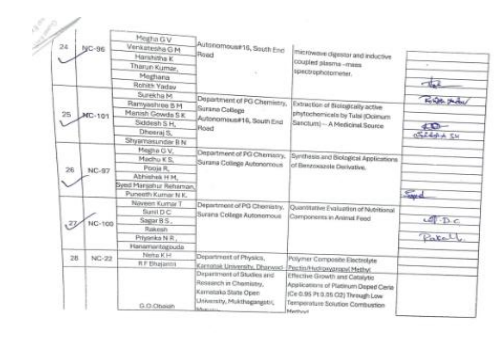
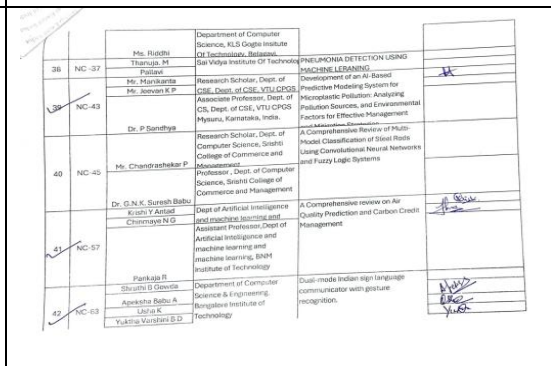


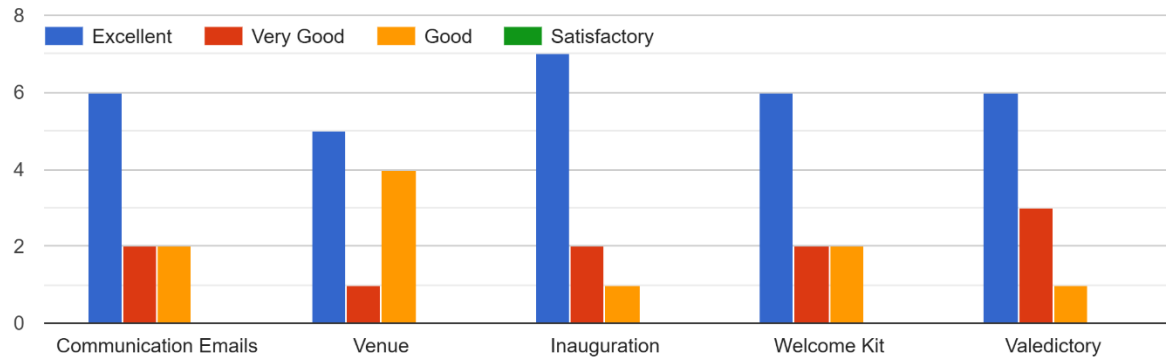
24	NC-96	Megha G V	Autonomous#16, South End Road	Microwave digestor and inductive coupled plasma –mass spectrophotometer.	
		Venkatesha G M			
		Harshitha K			
		Tharun Kumar.			
		Meghana			
		Rohith Yadav			
25	NC-101	Surekha H	Department of PG Chemistry, Surana College Autonomous#16, South End Road	Extraction of Biologically active phytochemicals by Tulsi (Ocimum Sanctum) – A Medicinal Source	
		Ramyashree S H			
		Manish Gowda S K			
		Siddesh S H,			
		Dheeraj S,			
		Shyamsundar B N			
26	NC-87	Megha G V,	Department of PG Chemistry, Surana College Autonomous	Synthesis and Biological Applications of Benzoxazole Derivative.	
		Madhu K S,			
		Pooja R,			
		Abhishek H M,			
		Syed Hanjahu Rehaman,			
		Puneeth Kumar N K,			
27	NC-100	Naveen Kumar T	Department of PG Chemistry, Surana College Autonomous	Quantitative Evaluation of Nutritional Components in Animal Feed	
		Sunil D C			
		Sagar B S,			
		Rakesh			
		Priyanka N R,			
		Hanamantagouda			
28	NC-22	Neha K H	Department of Physics, Karnatak University, Dharwad	Polymer Composite Electrolyte Pectin/Hydroxypropyl Methyl	
		R F Bhajantri			
		G.O.Obaiah	Department of Studies and Research in Chemistry, Karnataka State Open University, Mukthagangotri,	Effective Growth and Catalytic Applications of Platinum Doped Ceria (Ce 0.95 Pt 0.05 O2) Through Low Temperature Solution Combustion Method	



		Ms. Riddhi	Department of Computer Science, KLS Gogte Insitute Of Technology, Belagavi		
		Thanuja. M	Sai Vidya Institute Of Technology	PNEUMONIA DETECTION USING MACHINE LEARNING	
36	NC-37	Pallavi			
		Mr. Manikanta	Research Scholar, Dept. of CSE, Dept. of CSE, VTU-CPGS, Associate Professor, Dept. of CS, Dept. of CSE, VTU CPGS Mysuru, Karnataka, India.	Development of an AI-Based Predictive Modeling System for Microplastic Pollution: Analyzing Pollution Sources, and Environmental Factors for Effective Management	
		Mr. Jeevan K P			
39	NC-43	Dr. P Sandhya			
		Mr. Chandrashekar P	Research Scholar, Dept. of Computer Science, Srishti College of Commerce and Management	A Comprehensive Review of Multi-Model Classification of Steel Rods Using Convolutional Neural Networks and Fuzzy Logic Systems	
40	NC-45	Dr. G.N.K. Suresh Babu	Professor , Dept. of Computer Science, Srishti College of Commerce and Management		
		Krishi Y Antad	Dept of Artificial Intelligence and machine learning and	A Comprehensive review on Air Quality Prediction and Carbon Credit Management	
		Chinmaye N G	Assistant Professor,Dept of Artificial Intelligence and machine learning and machine learning, BNM Institute of Technology		
41	NC-57	Pankaja R			
		Shruthi B Gowda	Department of Computer Science & Engineering, Bangalore Institute of Technology	Dual-mode Indian sign language communicator with gesture recognition.	
		Apeksha Babu A			
		Usha K			
42	NC-63	Yukitha Vorshini B D			

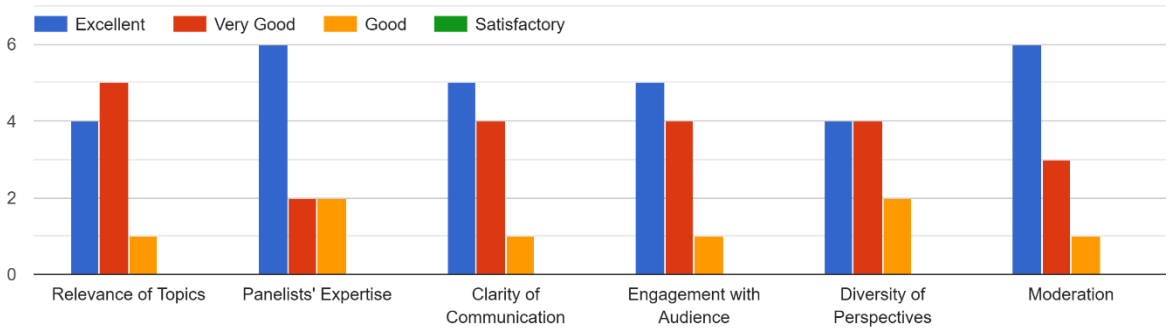
4. Feedback (from participants)

How satisfied are you with the pre-conference communication and other hospitality services?

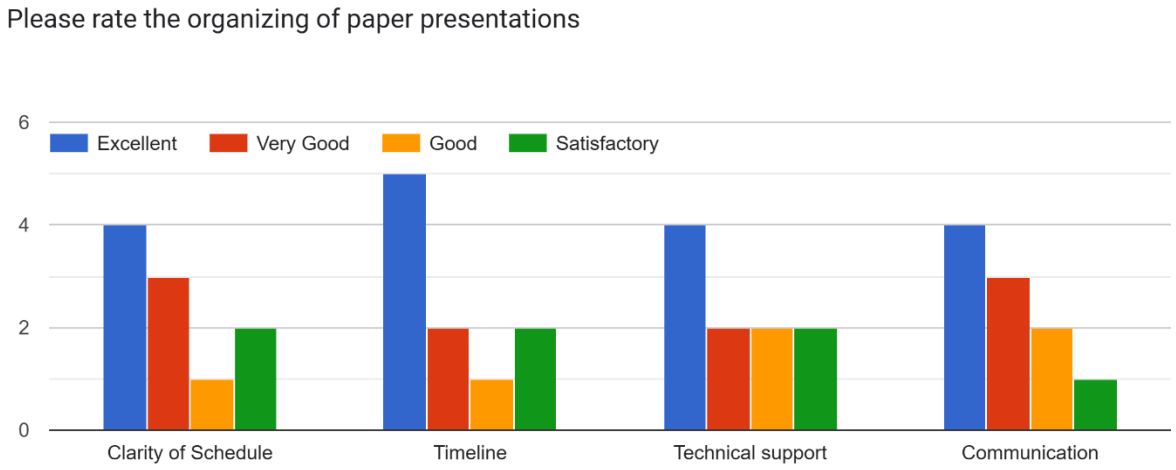


The chart illustrates the level of satisfaction with pre-conference communication and hospitality services across five categories: Communication Emails, Venue, Inauguration, Welcome Kit, and Valedictory. "Excellent" received the most responses in all categories, with Inauguration scoring the highest at 7, followed closely by Communication Emails, Welcome Kit, and Valedictory, each at 6, and Venue at 5. "Very Good" ratings were most prominent for the Venue (4), while other categories received 2 each. "Good" ratings were relatively low, peaking at 4 for the Venue. "Satisfactory" had the fewest responses, consistently scoring 1 across all categories except the Venue, which had none. Overall, feedback leans heavily towards positive, with most participants rating the services as Excellent or Very Good.

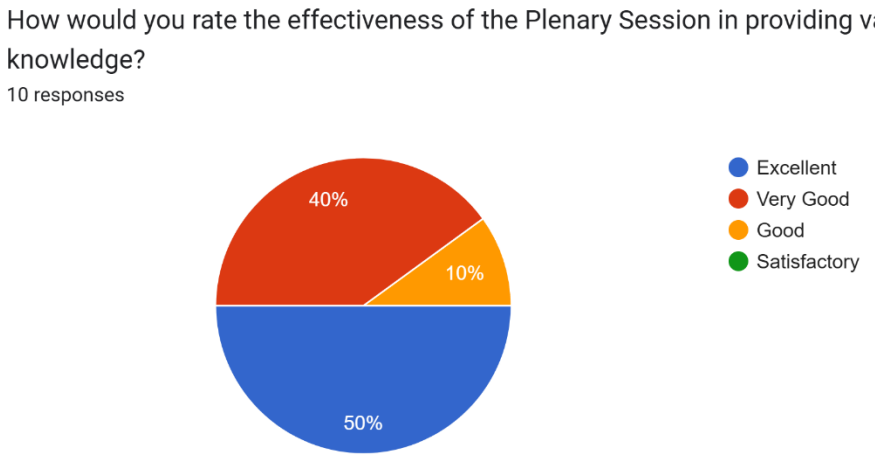
Please rate the following aspects of the panel discussion.



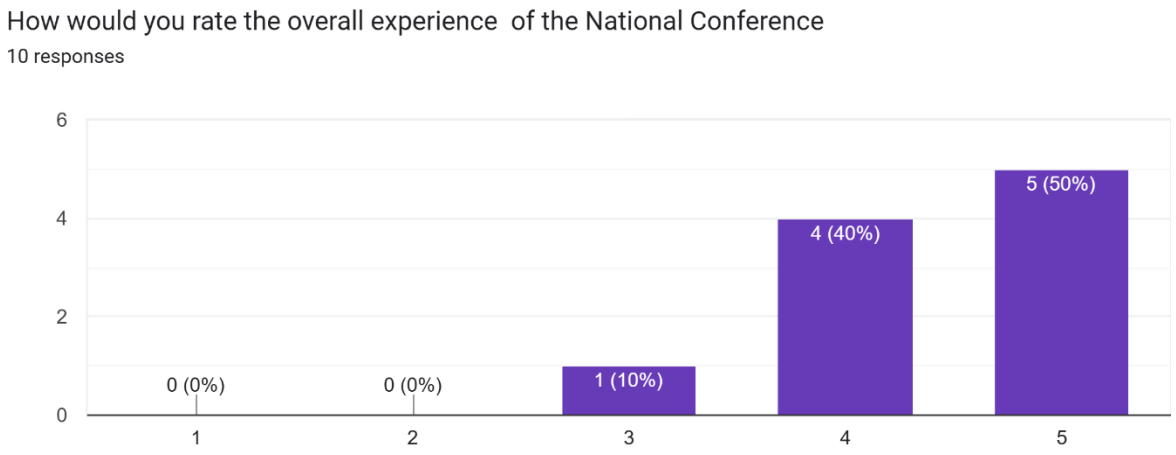
The chart presents feedback on various aspects of the panel discussion, including Relevance of Topics, Panellists' Expertise, Clarity of Communication, Engagement with Audience, Diversity of Perspectives, and Moderation. "Excellent" ratings were highest for Panellists' Expertise and Moderation, followed by Engagement with Audience and Relevance of Topics. "Very Good" was most frequently awarded for Relevance of Topics and Engagement with Audience, both scoring 4. "Good" ratings were relatively modest, peaking at 2 for Panellists' Expertise and Diversity of Perspectives. "Satisfactory" received minimal responses, with a maximum of 1 rating per category. Overall, the panel discussion was well-received, with most participants highlighting Panellists' Expertise and Moderation as key strengths.



The chart evaluates the organizing of paper presentations across four categories: Clarity of Schedule, Timeline, Technical Support, and Communication. "Excellent" ratings were most prominent for Timeline, receiving the highest score of 5, followed by Clarity of Schedule, Technical Support, and Communication, each with 4. "Very Good" was rated highest for Clarity of Schedule and Communication, both scoring 3. "Good" ratings were fairly consistent, with Technical Support and Communication each receiving 2, while Clarity of Schedule and Timeline had 1 each. "Satisfactory" ratings appeared in all categories but were lowest, peaking at 2 for Clarity of Schedule and Technical Support. Overall, feedback was largely positive, with Timeline standing out as the most highly-rated aspect of paper presentation organization.



The chart reflects participants' feedback on the effectiveness of the Plenary Session in providing valuable insights and knowledge. "Excellent" received the highest rating, accounting for 50% of the responses, followed by "Very Good" at 40%. "Good" was rated by 10% of respondents, while "Satisfactory" received no ratings. Overall, the feedback indicates a strong positive reception, with the majority of participants finding the session either excellent or very good, highlighting its success in delivering insightful content and knowledge.



The chart shows participants' ratings of their overall experience at the National Conference. The majority of respondents rated their experience highly, with 50% giving a

score of 5 and 40% rating it a 4. Only 10% rated their experience as a 3, while no participants selected 1 or 2. This overwhelmingly positive feedback suggests that most attendees had a very good to excellent experience at the conference, reflecting successful event planning and execution.