MAHARANI LAKSHMI AMMANNI COLLEGE FOR WOMEN AUTONOMOUS
MALLESWARAM 18th CROSS, BENGALURU-560 012
IN COLLABORATION WITH
KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

SAMAGATHA 2025

SCIENCE ASSOCIATION

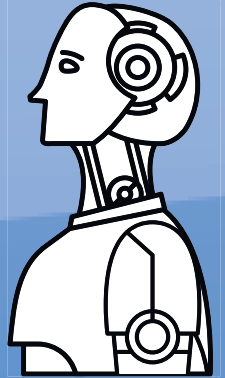### KRUTHA - ka - Gńå
A Multidisciplinary Approach

Organizes

Intercollegiate Science Fest
&
National Level Conference

ARTIFICIAL INTELLIGENCE –
TECHNOLOGIES AND INNOVATIONS FOR
SUSTAINABLE FUTURE

25th and 26th March 2025

Dr. K.N.V. Sastri Auditorium, mLAC

mLAC at a glance

- Maharani Lakshmi Ammanni College for Women Autonomous, in the vicinity of national institutes of repute and Reaccredited with 'A' Grade during NAAC IV cycle in the year 2022.
- Established in 1972, made significant progress in the last five decades in empowering Women Students with quality education, inculcating moral values and transforming each student into a responsible citizen.
- Recognized and awarded with College for Potential excellence – Phase I & II by UGC, Star College Status by DBT-GoI, Bioinformatics Infrastructure Facility (BIF) and Biotechnology Skill Enhancement Programme (BiSEP) in Clinical Research and Data Management from DBT, Govt. of India and IT-BT, Govt. of Karnataka, DST- FIST Programme for the Postgraduate Center in Biotechnology and Biochemistry.
- Offers Undergraduate, Post Graduate, PG Diploma and PhD Programmes.

SAMAGATHA - Science Association, mLAC

With the objective of enhancing the quest for knowledge, nurturing the latent talents, and kindling the scientific temper of students, the Science association - "SAMAGATHA" organizes Science Fest every year to empower the goal towards knowledge of science. This association is an integrated effort of departments of physical and life sciences - Biochemistry, Biotechnology, Botany, Chemistry, Computer Science, Mathematics, Microbiology, Physics, Psychology and Zoology which addresses not only the academic needs but also the overall perspective of scientific thinking, Entrepreneurial Skill and Research Culture among students and faculty.

About Conference

Artificial Intelligence (AI) has emerged as a transformative force in addressing global sustainability challenges, from climate change mitigation and smart energy management to sustainable agriculture and environmental conservation. The integration of AI in sustainable development aligns with the United Nations' Sustainable Development Goals (SDGs), promoting responsible innovation and technology-driven solutions for a more resilient future - Viksit Bharat.

Recognizing the potential of AI to drive sustainable progress, this two-day conference aims to foster awareness, knowledge-sharing, and collaboration among Students, Academicians, Industry Professionals, and Researchers. The first day will focus on Intercollegiate Fest for Undergraduate and Post Graduate students, providing them with a platform to explore AI-driven sustainability solutions. The second day will be dedicated to a National Level Conference featuring distinguished speakers, research presentations, and expert discussions on AI's role in global sustainability efforts.

Objectives

- Provide undergraduate and postgraduate students with insights into how AI can address environmental, economic, and social sustainability challenges.
- Motivate young minds to explore AI applications in sustainable development through paper and poster presentations and discussions.
- Foster interaction between students, researchers, and professionals from academia and industry for knowledge exchange and future collaborations.
- Highlight real-world AI implementations that contribute to sustainability, including case studies from entrepreneurship and research innovations.
- Bring together national experts of repute to discuss policies, ethical considerations, and advancements in AI-driven sustainability solutions.

Outcomes

- Enhanced Student Awareness and Engagement – Participants will gain a deeper understanding of AI's role in sustainability and its career potential.
- Skill Development – Students and researchers will develop analytical and technical skills.
- Publication of Research Findings – Selected research papers will be published in a conference proceeding or journal, contributing to academic discourse.
- Networking and Collaborations – Opportunities for students, researchers, and industry experts to connect, leading to future research and internships.

Inaugural

Chief Guest

Dr Vijay U. T.
Executive Secretary, KSCST

Guest of Honour

Prof K. B. R. Varma
Trustee, mLAC

About Speakers

Key Note Speaker

Prof. R. Sowdhamini

Department of Biochemistry, Biophysics and Bioinformatics NCBS, Bengaluru

Technical Session 1 Speaker

Mr Siva Teja Kakileti

Director and Principal Research Scientist, Niramai Health Analytix, Bengaluru

Technical Session 2 Speaker

Prof. Yogesh Simmhan

Department of Computational and Data Sciences Indian Institute of Science (IISc) Bengaluru

Technical Session 3 Speaker

Dr. Soujanya Y

Senior Principal Scientist CSIR - IICT, Hyderabad

Sub-themes - Oral / Poster Presentation

- AI in Health Care and Diagnostics
- AI in Banking and Financial Services
- AI in Teaching and Research
- AI in Environment Sustainability
- AI in Media and Entertainment
- AI in Cybersecurity
- AI in Agriculture
- AI Integrated Innovative Fields

Dates to Remember

- Abstract Submission deadline – 10th March
- Notification of Acceptance of Abstract - 14th March
- Last date for registration – 15th March
- Full Manuscript Submission - 15th March
- Intercollegiate Fest – 25th March
- National Conference – 26th March

NOTE - Online Presentations allowed for outside Bengaluru and Karnataka participants

| CROSSWORD | | TREASURE HUNT | | CONNECTIONS | |
| QUIZ | | DUMB CHARADES | | SPEAK AS YOU PICK | |

To know more about the Events, please visit the link below -
https://www.canva.com/design/DAGfhEIYFMs/YP5RgDk5SsHICjMId8AeQA/edit

Registration Fees

- Conference: Rs 500 (Students) , Rs 700 (Research scholar, Faculty and Industry Professional)
- Only Presentation: Rs 300 (Students), Rs 500 (Research Scholar or Faculty)
- Intercollegiate Events: Rs 200 (All Events)
- Intercollegiate Event: Rs 50 (Any One)
- No TA / DA will be provided

Link for registration
https://docs.google.com/forms/d/e/1FAIpQ LSevBox4OTSSgmH2DBxqW3NUCNDeIrc R9yolUl0WjD96LKdkXw/viewform

Registration QR Code

Payment QR Code

Or Pay to UPI ID
mlac@ucobank

Chief Patron - Sri K Jairaj, IAS (Retd), Managing Trustee, mLAC
Patron - Dr. Nagalaxmi B N, Principal, mLAC
Co-Patron - Dr. Sharmistha Dutta, Vice Principal, mLAC
Convenors - Dr. Babitha B, Science Co-ordinator, mLAC
- Dr. Ft. Lt. Harish, HOD, Department of Computer Science, mLAC
- Ms. Hemavathy E, HOD, Department of Biotechnology, mLAC
- Ms. Thanushree VL, HOD, Department of Psychology, mLAC
Co-Convenors - Dr. Ramananda K V, Humanities Co-ordinator, mLAC
- Ms. Jyothsna Thimmaiah B, BBA Co-ordiantor, mLAC
- Ms. Rajeshwari M, Commerce Co-ordinator, mLAC

Organizing Committee

- Mr. S G Gangadhara Murthy, Chief Administrative Officer, mLAC
- Dr. Annadanesha B A, Administrative Officer (Academics), mLAC
- Mr G. Narayana Subramani, Finance Officer, mLAC
- Prof. Aruna HK, IQAC Co-ordinator, mLAC
- Dr. Jolitha A B, Academic Co-ordinator, mLAC
- Dr. Nanda Kulkarni, HoD, Department of Mathematics, mLAC
- Prof. Lakshman MD, HoD, Department of Physics, mLAC
- Dr. S SriLakshmi, HoD, Department of Botany, mLAC
- Dr. Vijayadeep C, HoD, Department of Microbiology, mLAC
- Dr. Usha T, HoD, Department of Biochemistry, mLAC
- Ms. Sumanjali, HoD, Department of Chemistry, mLAC
- Ms. Bhavya B, HoD, Department of Zoology, mLAC
- Ms. Manjula Shekar, HoD, Department of Comerce, mLAC
- Dr. Lt. Bhavya Bhanu, HoD, Department of BBA, mLAC
- Dr. Manjula K, HoD, Department of Journalism, mLAC
- Ms. Saraswathi H Naik, HoD, Department of Sociology, mLAC
- Ms. Divya P, HoD, Department of Political Science, mLAC
- Ms. Madhushree R, HoD, Department of History, mLAC
- Ms. Srushti J N, HoD, Department of Economics, mLAC
- Dr. Sowmya P, HoD, Department of English, mLAC
- Dr. Raveendra Naik, HoD, Department of Hindi, mLAC
- Ms. Haripriya, HoD, Department of Sanskrit, mLAC

Scientific Advisory Committee

- Prof. K. B. R. Varma, Former VC, Sri Satya Sai Institute of Higher Learning, Anantapur
- Prof. S K Gupta, Department of Computer Science and Engineering, IIT Delhi.
- Dr. Soujanya Y, Senior Principal Scientist, CSIR - IICT, Hyderabad
- Dr. Chitra Ravi, Research Director, Cybersena (R and D) India Private Limited
- Dr. Sankarshan BM, Department of Physics, National Institute of Engineering, Mysore
- Dr. H G Nagendra, HOD, Department of Biotechnology MVIT, Bengaluru
- Dr. Sushil Kumar Middha, Associate Professor, Dept. of Biotechnology, mLAC

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Maharani Lakshmi Ammanni College for Women Autonomous
Affiliated to Bengaluru City University
Accredited by NAAC (IV Cycle) with "A" Grade,
Recognised by UGC under Section 2(f) and 12(b) of the UGC Act 1956
Conferred the Status of 'College with Potential for Excellence' by UGC

mLAC
Excellence in Education
Since 1972

SAMAGATHA - 2025   Science Association
KRUTHA - ka - Gńȧ
Intercollegiate Science Fest and National Level Conference
Artificial Intelligence - Technologies and Innovations for Sustainable Future

Date - 25th and 26th March 2025   Venue - Dr. K.N.V. Sastri Auditorium, mLAC

Events	Timings
Registration.	8.30 AM - 10.00 AM
Lighting the Lamp and Invocation.	10.00 AM - 10.05 AM
Welcome Address **Prof. Aruna H K**, IQAC Coordinator, mLAC	10.05 AM - 10.10 AM
Address by the **Chief Guest** **Dr. Vijay. U.T**, Executive Secretary, KSCST.	10.10 AM - 10.20 AM
Address by Guest of Honor **Prof. K.B.R. Varma**, Trustee, mLAC.	10. 20 AM - 10. 27 AM
Presidential address **Dr. Nagalaxmi. B.N** Principal, mLAC	10.27 AM - 10.35 AM
Vote of Thanks by **Dr Babitha.B** Science Coordinator	10.35 AM - 10.37 AM
Technical Session - I **Keynote Speaker - Prof. R. Sowdhamini** Department of Biochemistry, Biophysics and Bioinformatics NCBS, Bengaluru	10.37 AM - 11.15 AM
Tea Break	11.15 AM - 11.30 AM
Technical Session - II **Prof. Yogesh SImmhan** Department of Computational and Data Sciences Indian Institute of Science (IISc) Bengaluru	11.30 AM - 12.20 PM
Technical Session - III **Dr. Siva Teja Kakileti** Director and Principal Research Scientist, Niramai Health Analytix, Bengaluru	12.25 PM - 1.15 PM
Lunch Break	1.15 PM - 2.00 PM
Paper and Poster Presentations	2.00 PM - 3.15 PM
Technical Session - IV **Dr. Soujanya. Y** Senior Principal Scientist CSIR - IICT, Hyderabad	3.15 PM - 3.45 PM
Tea Break	3.45 PM - 4.00 PM
Valedictory Program (Prize distribution) - **Dr. Sharmistha Dutta, Vice Principal mLAC** & **Dr. Soujanya. Y Senior Principal Scientist CSIR** - IICT, Hyderabad	4.00 PM- 5.00 PM
Group Photo Session	5.00 PM- 5.10 PM