#### Format for Full Length Paper

Original and unpublished full length Research Papers (not exceeding 4 pages) in MS Word should be sent to icirish@nehrucolleges.com in the following specification, Times New Roman font, size12, 1.5 line spacing. Center the Title (maximum 12 words, all-caps, bold type) at the top of the page. Bold and Italicize the name of the presenting author. E-mail address of the corresponding / presenting author should be included. Authors are restricted to 2 per paper.

# Registration Fee for Conference

Registration Fees should be paid by Online Transfer / Direct Cash Deposit only. Additional service charges of Banks should be borne by the Participants.

- Indian Participants ₹49,500/- (Including Fare, Accommodation, Food and Visa)
- In Absentia (Indian Participants) ₹ 6000/- per person
- Foreign Participants (Excluding Travel Fare) \$ 200
- In Absentia (Foreign Participants) \$ 50

# **Important Dates**

Abstract Submission :20th May 2024 Notification of Acceptance :25th May 2024 Full Length Paper Submission :30th May 2024 Partial Payment (First Installment) :30th May 2024 Partial Payment (Second Installment) :20th June 2024 Final Payment :30th June 2024 Conference Dates :23th August 2024

# **Account Details**

Account Name

Account Type SAVINGS ACCOUNT

A/C No. 61692200025082

Bank Canara Bank

Branch Name Madukkarai, Coimbatore

IFSC Code CNRB0001232

#### Publication

All the selected papers will be published in the Conference Proceedings with ISBN number. Selected Research Papers will be published in the Scopus / Web of Science and Peer Reviewed Journals at the nominal cost to be paid by the authors after their acceptance.

#### Participation in Absentia

If the author / co-author(s) wish to participate in the conference, but are not able to physically present can participate in absentia. Author shall receive Certificate and Proceeding by Courier.

The best paper will receive a Rs.10,000 cash prize and will be published in Scopus.

# **Organizing Committee**



Chief Patron Adv. Dr. P. Krishna Das Honorary Trade Commissioner of Mauritius - India Chairman & Managing Trustee, NGI



Dr. P. Krishnakumar CEO & Secretary, NGI



Chair Persons Dr. B. Anirudhan Nehru Arts and Science College



Prof. Dr.Mrs. Ajay Sareen Hans Rai Mahila Maha idyalaya,Jalandhar, Punjab

# Organizing Team



Dr. N. Saranya Associate Professor and Head Department of Biotechnology School of Life Sciences Nehru Arts and Science College



Dr. Ramnita Saini Sharda Associate Professor Department of English Hans Raj Mahila Maha Vidyalaya



Dr. N. Saranya

Head, Department of IoT and AI & ML School of Computational Sciences Nehru Arts and Science College



Dr. K. Prathapchandran epartment of Computer Applications chool of Computational Sciences ru Arts and Science College

### PRIME SPEAKERS / ADVISORY BOARD



S. K. Sohan Roy Founder Chairman & CEO

12:00Hrs: Transfer to Pattaya

18:30Hrs: Alcazar Show

08:00Hrs: Breakfast at Hotel

15:00Hrs: Pattaya City Tour

14:00Hrs: Lunch at Indian Restaurant

13:00Hrs: Lunch@ Restaurant & Transfer to Hotel



20-08-2024 (TUE): 23:10Hrs: Departure to Bangkok by Thai Air Asia flight

20:00Hrs: Night Dinner @ Indian Restaurant, Overnight stay at hotel

20:00Hrs: Night Dinner @ Indian Restaurant, Overnight stay at hotel

Day 02: Pattaya / Coral island - Pattaya City Tour (B, L, D) (22.08.2024)

Day 00: Bangalore – Bangkok (20.08.2024)
20-08-2024 (TUE): 10:30 AM: Assemble at Gandhipuram Bus Stand (Tamil Nadu Hotel)

20-08-2024 (TUE): 19:30Hrs: Assemble at Bangalore International Airport – TERMINAL 2

Day 01: Bangkok - Pattaya / Tiger Topia Sriracha/ Alcazar Show (B, L, D) (21.08.2024) 05:00Hrs: Arrival at Bangkok + Refreshment at Airport

09:00Hrs: Proceed to Coral island (You can Enjoy the Water sports activities by your Own)

08:00Hrs: On Arrival Breakfast + Tiger Topia Sriracha entrance ticket and photo session with tiger

20-08-2024 (TUE): 11:00 AM: Departure to Bangalore by Bus (Contact person – Sivaram- 9043037000)



Mr. Syam Pillai Habib Bank AG Zurich, Dubai.



Dr. Tewin Tencomnao Senior Executive Vice President Chair, B.Sc. Program in Medical Technology Founder and Managing Director Faculty of Allied Health Sciences, Chulalongkorn University Bangkok.



NAST Training and Consultancy

Day 03: Pattaya / Assumption University, Bangkok (23.08.2024) 07:00Hrs: Breakfast. Check out Hotel & Transfer to University 10:00Hrs: Full day Conference at University

13:00Hrs: Lunch Inside the University (By the Venue) 17:00Hrs: Transfer to Bangkok

19:00Hrs: Check in Hotel at Bangkok 20:00Hrs: Night Dinner @ Indian Restaurant

Overnight stay at hotel.

Day 04: Bangkok - Bangalore - (B, L) (24.08.2024) 08:00Hrs: Breakfast at Hotel & Check out Hotel 09:00Hrs: Bangkok Temple Tour

13:00Hrs: Lunch@ Restaurant 14:00Hrs: Free For Shopping

17:00Hrs: Transfer to Airpor 20:35Hrs: Departure to Bangalore International Airport by Flight

22:40Hrs: Arrival at Bangalore International Airport Day 05: Bangkok - Bangalore - Coimbatore (25.08.2024) 01:00Hrs - Transfer to Coimbatore (by bus)

09:00Hrs - Arrival at Coimbatore Gandhipuram

# ADDRESS FOR COMMUNICATION THE ORGANIZING SECRETARY, IC-IRISH 2024

Nehru Arts and Science College, Nehru Gardens, Thirumalayampalayam, Coimbatore - 641 105. Tamil Nadu, INDIA 







# TAMIL NADU

- · Nehru College of Aeronautics & Applied Sciences
- · Nehru Arts and Science College
- · Nehru College of Management
- · Nehru Institute of Engineering & Technology
- · Nehru Institute of Technology
- · Nehru Institute of Information Technology & Management
- · Nehru School of Architecture
- · Nehru Institute of Health Sciences
- · Nehru College of Nursing and Research Institute
- · Nehru College of Physiotherapy
- · Nehru Institute of Design
- Nehru International School Nehru Kids Academy
- NGI Technology Business Incubator (TBI)
- · NGI NewGen IEDC, Coimbatore

#### KERALA

- · Nehru College of Engineering & Research Centre
- · Nehru School of Management
- · Jawaharlal College of Engineering & Technology
- Jawaharlal Business School
- Jawaharlal Aviation Institute
- · P K DAS Institute of Medical Sciences
- Nehru College of Pharmacy
- P K Das College of Nursing
- · Nehru College of Architecture
- · Nehru College of Arts & Science
- Nehru Academy of Law
- Nehru Knowledge Academy

NGI - Technology Business Incubator (TBI)

International Conference on INTERDISCIPLINARY RESEARCH INNOVATIONS IN SCIENCE AND HUMANITIES [ IC-IRISH'24 ] & INTERNATIONAL INDUSTRIAL VISIT

20st - 25th August 2024

Assumption University of Thailand





**ASSUMPTION UNIVERSITY** 

Bangkok, Thailand.

(Bharathiar University, Accredited with "A+" Grade by NAAC, ISO 9001:2015, 2(f) &12(B) of UGC, Under Star College Scheme, Govt. of India) "Nehru Gardens", Thirumalayampalayam, Coimbatore - 641 105, Tamil Nadu, India. Web Site: www.nehrucolleges.net

In association with

HANS RAJ MAHILA MAHA VIDYALAYA

Jalandhar, Punjab,India.

## **About Nehru Group of Institutions (NGI)**

Nehru College of Educational and Charitable Trust is a name synonymous with Higher Education in India, established in 1968, with the primary objective of rendering selfless service to the cause of Higher Education. The educational journey was started with Aeronautical Engineering and subsequently spread over to different branches of Engineering, Management, Arts and Science, Paramedical, Medical Sciences, Law, Architecture, ITI and Schools. These institutions of high repute have added feather after feather to its gorgeous cap. Their educational service to the underprivileged and downtrodden in the Society is widely appreciated by the people. Over the period of more than four decades, it has established and patronized 20 Prestigious Educational Institutions under NGI spread across Tamil Nadu and Kerala in South India. The Trust was constituted by Late P. K. Das, the Founder Chairman. His legacy is taken up by his sons Adv. Dr. P. Krishna Das as Chairman and Managing Trustee and Dr. P. Krishnakumar as CEO & Secretary.

# About Nehru Arts and Science College (NASC)

NASC, has been ranked in NIRF under top150 college in INDIA. the college offers 10 Research, 06 Post Graduate and 24 Under Graduate Programmes in Arts, Life Science, Computational, Creative Sciences, Commerce and Management streams. The College is considered as a Nodal Centre for Spoken Tutorial of IIT Bombay, Recognized as study centre of TNOU, Recognized as a Mentoring Institution by Mahatma Gandhi National Council of Rural Education (MGNCRE), H R Ministry, Government of India, for implementing SWATCHTHA action plan. The College has been promoting Entrepreneurship through production units and New Gen IEDC projects. Now the College has 25 Student Start-Ups Companies, 6 Alumni Start-Ups and 8 Faculty Star-Ups under faculty CEO scheme in the Technology Business Incubator, funded by NSTEDB, DST, India. As part of ensuring Decentralization, the College is functioning as seven different Schools. The College has received Accolades and Awards from various National and International Agencies for its meritorious contribution and ranked Top in India by various Ranking Agencies like India Today, Times of India etc. The Institution further envisions to achieve the University Status as soon as possible.

### **Highlights of NASC**

NASC always strives to maintain a consistent and cohesive environment which inspires ideas and fosters innovation while simultaneously trying to draw out the best in our students

- Excellent Infrastructure and Central Instrumentation Facilities.
- · 100% Academic Results & 100% Placement
- University Approved 10 Research Centres
- MoU with Industries and International Educational Institutions.
- Second Largest Outbound Training facility in India
- Nehru Vigyan Scholarship for Bright and Talented students
- International Students Exchange Programmes
- Nehru Group of Institutions Technology Business Incubator (NGI TBI) & New Generation Innovation and Entrepreneurship Development Center (NGI NewGen IEDC)
- IIT Bombay | Spoken Tutorial (NMEICT, MHRD)
   Academic Partner
- Partnering with IBM, L&T, Oracle & Course era

- Educational Excellence Award by INDYWOOD.
- Atal Ranking of Institutions on Innovation "Band Performer"
- NIRF Ranking among top 150 Colleges in India
- "India Pride Book of Records" Worlds Longest Multinational Confluence
- "Rural Entrepreneurship Cell", Govt. of India
- "Best Green Campus Award" by Nature Science Foundation
- "Role Model College" for complete EMS Audit
- Published 109 Patents and 127 Books
- Granted 9 Patents
- India Today Ranking (BBA, CDF, CSHM, CS) Departments
- 20 Student Start Ups, 21 New Gen IEDC Projects
- 07 Faculty CEOs and 03 Faculty Start Ups
- 25 Pre Incubation Start Ups
- Industry Trained Faculty

#### Targeted Audience

Participation and Contributions are sought from researchers globally to ensure the scope of the Conference. Target Communities include Students, Researchers, Faculty Members, Industrialists, Policy and Decision Makers, Developmental Organizations and NGOs.

#### **Paper Themes**

Following thrust areas are given prominence. However the areas/ themes are broad and indicative. The researchers can develop a suitable theme based on the area given below. For more details visit <a href="https://www.nehrucolleges.net">www.nehrucolleges.net</a>

#### Track 1: ICT(Information and Communication Technology)

- Cloud Computing, Networks
- Internet of Things (IoT)
- Computer Networks
- Soft Computing
- Artificial Intelligence
- · Machine Learning Algorithms
- · Digital Image Processing
- · Advance Databases
- · Data Mining and Big Data
- Natural Language Processing (NLP)
- Robotics and Automation
- Cyber Security
- · Human Computer Interaction and more

#### Track 2: ETS (Engineering, Technology and Science)

- Engineering disciplines
   (Civil, Electrical, Electronics, Mechanical, Ocean, etc)
- · Green and Renewable Energy
- Design & Technology
- Remote Sensing in Geography
- · Innovations in Mathematics & Statistics
- Climate Change and Environmental Issues
- · Agriculture, Forestry & Food Science
- Physics
- Chemistry
- Mathematics

# Track 3: AHSE (Arts, Humanities, Social Sciences and Education)

- Curriculum Development
- Educational Psychology, Educational Technology
   & Educational Leadership
- Instructional Development, Inclusive Education
- E-Learning, distance & Blended Learning

- Special Education, Learning Difficulties and Learner Diversity
- · Emerging trends in Education
- · Religion & Philosophy
- Justice & Human Rights
- Art, Music & Design
- · Communication & Media and more

# Track 4: BMAG (Accounting, Business, Management & Governance)

- · Business Models for Economic Growth
- Management & Leadership
- · Forensic & Financial Accounting
- · Marketing & Digital Marketing
- · Human Resource Management
- · Transport & Logistics
- Entrepreneurship
- Marketing Research
- · Law Enforcement and Criminal Justice
- · Human Rights Development and more

#### Track 5: BPR (Bioscience and Pharmaceutical Research)

- Cellular Biology
- Genetics and Proteomics
- Microbiology and Environmental Biology
- Bioinformatics and Computational Biology
- · Ecology and Evolutionary Biology
- Pharmaceutical Chemistry
- Biopharmaceutics and Pharmaceutics
- Drug discovery and development
- Pharmacology and Toxicology
- · Pharmacognosy and Photochemistry
- · Stem Cell and Genetic Theory

#### Track 6: T&H (Tourism & Hospitality)

- Tourism & Hospitality
- · Destination branding and promotion
- · Consumer behavior in tourism
- Tourism Industry and accommodation sector
- Air lines, air ports and International Aviation
- Tour operation management
- Managing urban tourism for development
- Ethics in tourism management
- Managing the heritage enterprise

### Track 7:

NEP 2020 - Preparedness (National Education Policy 2020)

#### About the Conference

The IC-IRISH'24 is intended to promote Interdisciplinary Research in wide spectrum of subjects. The interdisciplinary research, interplay between the Science & Technologies and Creative Sciences & Humanities will ultimately result in new innovations. It brings together ideas, facts, innovations, conceptual views and creates intellectual knowledge. The digital revolution fetches a fusion of technology with creative fields like arts, entertainment, education, fashion, film, music, media, etc. The innovations in Interdisciplinary Research connect values, goals, aesthetic findings, social emotions and personal consciousness. These are the essence of Science and Humanities which teach us to realize those realms are valuable part of our education.

#### Milestones of the IC-IRISH

#### IC-IRISH 16 @ Malaysia

 4 Prime Speakers, 100 delegates from 4 Countries presented 80 in-person and 120 in-absentia research papers

#### IC-IRISH 17 @ Thailand

 3 Prime Speakers and 123 delegates from 8 Countries presented the research papers.

#### IC-IRISH 18 @ Bali, Indonesia

 8 Prime speakers, 132 in person and 220 in-absentia research papers were presented by delegates from 4 Countries.

#### IC-IRISH 19 @ Sharjah, UAE

- November 2019 at Sharjah, UAE.

   6 Prime speakers from UAE, Australia, China, Dubai,
- 6 Prime speakers from UAE, Australia, China, Dubai Sharjah and Malaysia

presented by delegates from 6 countries

Sharjah and Malaysia
 120 in-person and 250 in-absentia research papers were

5th International Conference was organized on 11th & 12th

- Five research paper and one poster were awarded with cash price.
- 82 professors, 21 research scholars, 7 industrial experts and 20 students presented their research papers in the conference

#### IC-IRISH 20 and IC-IRISH 21

 The 6<sup>th</sup> and 7<sup>th</sup> International Conferences were hosted in Online Mode due to Pandemic. Nearly 150 research papers were presented in both the conferences.

# HIGHLIGHTS OF THE PREVIOUS CONFERENCES



IC-IRISH 16@ Malaysia



IC-IRISH 18 @ Bali, Indonesia



IC-IRISH 17 @ Thailand



IC-IRISH 19 @ Sharjah, UAE