Outcomes

The participants will get an elaborate idea about integration of smart technologies Internet of Things and Artificial Intelligence to foster "Digital Manufacturing".

The participant will be able to explore the avenues for research in Industry 4.0 and factories of future.

The participants will evaluate challenges to work in multidisciplinary environments for the effective implementation of Industry 4.0.

The participants will be able to frame new solutions and adopt the best practices based on the interactions with the experts of various disciplines working for execution of Industry 4.0.

Target Audience

Interested Faculty members, Research Scholars, UG / PG students or Industry Professionals from the Recognized Institution/ Industries can attend the Seminar.

Registration Fees	₹ 500/-
Last Date for Submission of filled in application	10th June 2023
Confirmation of participants via Email	12th June 2023

Registration

- TA will be provided to outstation participants subjected to the availability.
- Participants should submit the registration form duly signed by the head.

Link: https://forms.gle/gDpngCccmKaMSikr8

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Chairman, Hindustan Group of Institutions

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KCG
COLLEGE OF TECHNOLOGY
Affiliated to Anna University
AUTONOMOUS

Department of Science and Technology (DST)

National Seminar
on
Integration of AI and IoT for Industry 4.0 towards Atmanirbhar Bharat

19.06.2023 to 23.06.2023

Sponsored by
Science and Engineering Research Board (SERB)

Organised by
Department of Research
KCG College of Technology

About KCG College of Technology

KCG College of Technology (A unit of Hindustan Group of Institutions) was established in 1998 to fulfill the vision of Founder-Chairman, Dr. KCG Verghese "To Make Every Man a Success and No Man a Failure". KCG College of Technology is affiliated to Anna University, Chennai and approved by AICTE, New Delhi. The college offers twelve under-graduate and five post-graduate programmes. Six under-graduate programmes (Mech, ECE, CSE, IT, EEE & Aero) have Permanent Affiliation under Anna University. Five under-graduate programmes Computer Science and Engineering (CSE), Electronics and Communication Engineering (ECE), Information Technology (IT) and Mechanical Engineering are accredited by the National Board of Accreditation (NBA). The college is accredited by NAAC with A+ Grade. Five departments CSE, ECE, EEE, Mechanical Engineering and Physics have been approved as research centres by Anna University to offer Ph.D. programmes. The campus of KCG College of Technology is beautifully landscaped in a lush green stretch of land spread over 38 acres at Karapakkam, which is about 10 km from Adyar on the Old Mahabalipuram Road, the IT corridor of Chennai

About Department of Research

The Department of Research is looking after the recognition of Departments and collaborative research with Industrial Units/ R&D centres. It is also providing a platform for the faculty members to interact with other experts in their area of specialization within India and abroad which provide an opportunity for others to understand the research quality of KCG College of Technology and also pave way for scientific collaboration. The college has been accorded recognition as a Scientific and Industrial Research Organisation(SIRO) by the Department of Scientific & Industrial Research Organisation (DSIR), Ministry of Science & Technology.

The Anna University Approved Nodal Research Center was established with the aim of accelerating research, publications, consultancy and to get funded projects in various areas. There are 34 Anna University approved Research Supervisors in the Research Center. Funds have been received by the college from various funding agencies namely - All India Council for Technical Education (AICTE), Ministry of Micro, Small and Medium Enterprises (MSME), Tamilnadu State Council for Science and Technology (TNSCST), National Institute of Wind Energy (NIWE), Department of Science and Technology (DST), Indian Council of Medical Research (ICMR), Combat Vehicles Research and Development Establishment (CVRDE), Defence Research and Development Laboratory (DRDL), India Space Research Organisation (ISRO) and from professional societies - IET, IEI, IEEE. Research collaborations with foreign universities are also being carried out.

About DST-SERB

DST Government of India established SERB (Science and Engineering Research Board), a statutory body through an Act of Parliament, 2008. The prime objective of SERB is to support basic research in emerging areas of Science & Engineering, under "Schemes and Programmes and assist in projects, Travel Grant, Grant for organizing Seminar Symposia. SERB in addition promotes synergy between academic institutions, research and development laboratories, industry for promoting basic research in science and engineering. In addition to Programmes in Partnership DST SERB also recognizes extraordinary contributions of researchers by felicitating them with its "Awards and Scholarship Scheme". Under this scheme, it offers JC Bose National Fellowship to scientists and engineers for their outstanding performance and contributions and RAMANUJAN Fellowship for brilliant scientists and engineers from all over the world to take up scientific research positions in India, especially those scientists who want to return to India from abroad.

Objective & Context

The main objective of this seminar is to motivate the students, researchers, academicians to involve in multidisciplinary projects which will help to achieve the government's goals of "Make In India" and "Digital Manufacturing" through Industry 4.0. It also provides a multi-disciplinary platform for the participants to share and discuss the cutting edge innovation / technologies / challenges faced and the solutions framed in the field of Industry 4.0.

Industry 4.0 is a strategic approach for integrating advanced control systems with internet technology enabling communication between people, products and complex systems. Industry 4.0, uses smart technology and real-time data to increase productivity and reduce costs. In smart factories, machinery, storage systems and production are capable of carrying out complex tasks, exchanging information and giving instructions to each other, without the need for human involvement. The key approach is to equip future products and production systems with Industrial IoT systems and automated systems with intelligent operation controls. Industry 4.0 represents the current trend of automation and data exchange in manufacturing technologies. This five day National Seminar focuses on the topics Cyber Physical Systems, Digital Manufacturing, Reverse Engineering, Artificial Intelligence, Machine Vision, Automations and Smart sensors.

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National Seminar
on
Integration of AI and IoT for Industry 4.0 towards Atmanirbhar Bharat

Registration Form

19.06.2023 to 23.06.2023

1. Name :..

2. Date of Birth :..

3. Designation :..

4. Institution with address :..

....

....

6. E-mail ID :..

7. Academic qualification :..

With specialization ....

....

Signature

Mr. / Ms. / Dr..is an employee of our institution and he / she is sponsored to attend the SERB sponsored National Seminar on Integration of AI and IoT for Industry 4.0 - towards Atmanirbhar Bharat

Date: Signature of Sponsoring
Place: Authority with office Seal

Mail : **deepa.ece@kcgcollege.com**