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iACT 2023

Digital Transformations through Contemporary Technologies

Organized by

Dept. of Electronics & Instrumentation Engg.,



B.M.S. College of Engineering

Bull Temple Road
Bengaluru, 560019

31st March & 1st April

Register now



<https://tinyurl.com/yeyr6ejs>

Contact Details

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B.M.S. College of Engineering

in association with

ISA Bangalore Section

presents

iACT 2023

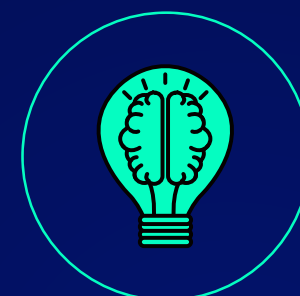
Digital Transformations through Contemporary Technologies

on

31st March & 1st April 2023



Over 150 plus
participants



100 new projects to be
presented over two days



15 speakers from different
fields of design & tech

B.M.S. College of Engineering

The B.M.S. College of Engineering (BMSCE) was founded by a great visionary and philanthropist Late Sri. B. M. Sreenivasaiah (BMS) in the year 1946. The college is an aided institution (by Government of Karnataka) and affiliated to Visvesvaraya Technological University (VTU). BMSCE offers 15 UG, 16 PG & 15 Research programmes.

About ISA

The International Society of Automation (ISA) is a non-profit professional association founded in 1945 to create a better world through automation. ISA empowers the global automation community through standards and knowledge sharing, driving the advancement of individual careers and the overall profession. ISA develops widely used global standards; certifies professionals; provides education and training; publishes books and technical articles; hosts conferences and exhibits; and provides networking and career development programs for its members and customers around the world.

About the Department of EIE & ISA BMSCE Student Section

The Department of Electronics and Instrumentation Engg. started in the year 1991. More than twenty five batches of Engineers have graduated from Department of Instrumentation Technology. The Department Infrastructure fulfills the requirements of academics and learning skills on the latest technology in the industry. The ISA BMSCE Student Section was started in the year in 2010 and has over 50 student members. From 2014 students of BMSCE have actively participated and won many prizes in the iACTs conducted at different institutions in different states.

About iACT

iACT (ISA-B Automation & Control TechDay) is an annual event that is conducted by one of several student sections of ISA-B. Promoted for the first time in the year 2014, by ISA-B for the benefit of student ISA members, ISA-B-affiliated student sections partake in this annual event.

Events

FIEPER introduction

Day 1

2:00 PM - 3:00 PM

FIEPER project is an industry project /semester long internship offered by ACARD (Automatic Controls & Robotics Division) which is one of the several divisions under ISA, FIEPER stands for Field Operator Robot.

Panacea - IDEATHON/CPS

Day 1

3:15 PM - 6:00 PM

A workshop that develops BRULE (Break the RULE) thinking and creative aptitude towards providing solutions for a plethora of industrial Problems. This workshop will enable the students to change their mindset. The sessions will take you through the CPS (Creative Problem Solving) steps in arriving at distinct solutions.

Maze Runner

3:15 PM (Day 1) to 3:00 PM (Day 2)

A 24-hour hackathon where participants compete to make their self built robot successfully exit the real time maze provided to them. Students can come with their robot with programming done and ready for demonstration. Students however cannot preprogram a path

Tutorial on ChatGPT

Day 2

9:00 AM - 10:00 AM

A tutorial on ChatGPT and its working by Mr. Sathyanarayana P. This tutorial will cover state-of-the-art language models and help students in exploring the world of AI.

AI/ML and Skill Development

Day2

10:15 AM - 1:15 PM

Participants will have gained knowledge about AI/ML and its various components. They will learn about the applications and challenges of AI/ML and will have a better understanding of how it can be used in real-world scenarios.

Poster & Project Presentation

Day 2

10:15 AM - 3:30 PM

Poster and projects will be presented after a thorough review process and selection, the categories for submission are

- PG/UG/Course Project work
- HW/SW/Simulation Study
- Innovative products
- R&D projects experimental

selected extended abstracts will be recommended for publishing in ISAB Newsletters after necessary revisions.

Outcomes

- Opportunity for Industry guided final year projects.
- Mentorship towards Industrial skill development.
- Networking with AI/ML professionals.
- Exciting prizes to be won.



Registration fee

ISA members - Free

Non-ISA members- ₹100

Accommodation available only for out-station students on sharing basis.

Date/Day/Time	8.30 am to 9.15 am	9.45 am to 10.45 am	10.45 am to 11.00 am	11:00 am to 11:15 am	11.15 am to 12.30 pm	12:30pm to 1.00 pm	1.00 pm to 2.00 pm	2.00 pm to 3.00pm	3.00 pm to 3.15pm	3.15 pm to 4.00 pm	4.00 pm to 5.00 pm	5:00pm to 6.00 pm	6:00pm to 6.20 pm	6.30 pm to 7.00 pm	7.30 pm to 8.30 pm
Day 1 31 March 2023 (Friday)	Break Fast	Inauguration ISAB members, BMSCE management, faculty Students of ISAB	TEA BREAK	Interactive Session on Innovation and Creativity	Creative Problem Solving Techniques	Hands on Session on CPS with quiz	LUNCH	FIEPER Introduction followed by BOT	TEA BREAK	Ideathon: Introduction and Rules	Actual Problem Solving of IDEATHON and Evaluation	Industry Problem and Solutions + ITC Foods	BREAK TIME	Cultural Activity	Dinner

Date/Day/Time	8:00am to 8:45 am	9.00 am to 10.00 am	10.00am to 10.15 am	10.15am to 11.15 am	11.15 am to 12.15 pm	12:30pm to 1.15 pm	1.00 pm to 2.00 pm	2.00 pm to 3.00pm	3.00 pm to 3.15pm	3.15 pm to 4.15 pm	4.15 pm to 5.00 pm	<u>Schedule</u>					
Day 2 1 April 2023 (Saturday)	Break Fast	Tutorial on CHATGPT	TEA BREAK	AI/ML and Skill Development by Honeywell			LUNCH	Poster and Project presentation Session (Presentation & Evaluation)	TEA BREAK	Valedictory ISA help for institute/student sections	iACT 2023	 B.M.S. College of Engineering Bengaluru, 560019	 31st March & 1st April				
		Poster and Project presentation Session (Setup)		Poster and Project presentation Session (Display)												MAZE Runner	MAZE Runner Evaluation
		MAZE Runner															