Phase Shift Events/Workshops-2022

Environmental Parameter Monitoring and Control Workshop

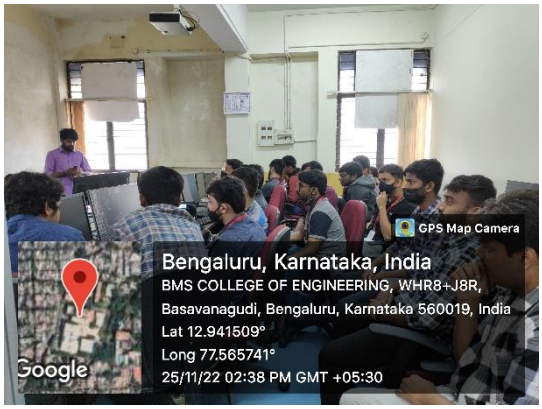
25th November 2022, 11:00 AM - 1:00 PM

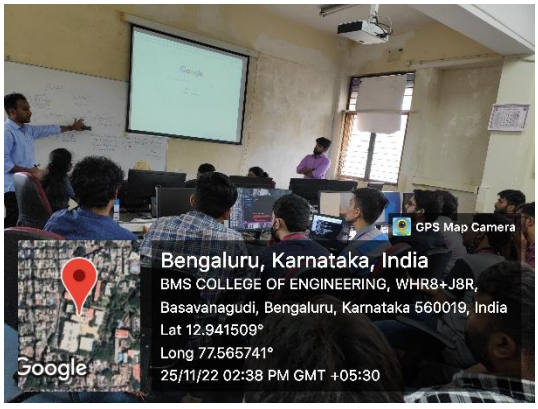
Resource Person: Mr.Ashutosh Srivatsava and Mr. Adarsh (Sunlux Innovation)

Faculty coordinators: Dr. Veena N. Hegde

Student coordinators: Ayush Kumar and Karthik D

This contemporary-themed workshop focuses on Smart Sensors & Data Acquisition technologies built by "SUNLUX TECHNOVATIONS". You will get to witness a demonstration of the company's products that are used in the monitoring and control of environmental parameters like carbon dioxide levels, temperature and humidity. You will also learn how this information can be applied in real life situations. The innovative cloud platform built by the company for its data realisation is also showcased. Top performers get a chance to win amazing goodies and cash prizes!





Virtual Factory

25th November 2022, 10:00 AM - 5:00 PM

Resource Person: Mr. Ajeya B and Deepak Kumar (Modelicon Info Tech)

Faculty coordinators: Prof. Krishna Murthy K T

Student coordinators: Chinmayi M and Siddharth S

This exciting event is initiated with a brief but informative explanation of AR and VR in process control industries. A concise introduction to CODESYS, UNITY 3D and OPEN MODELICA will also be given. A demo of an application in process control systems (Water Level control) will be held in the lab followed by an intriguing hands-on session with VR using the same application. A quiz and a time based game on the knowledge gained from the workshop will be given towards the end, putting your newly acquired skills to the test.

Anadigics Locker

26th November 2022, 10:00 AM - 1:00 PM

Resource Person: Miss. Sindhuja V (Robert Bosch)

Faculty coordinators: Prof. Preethi K Mane
Student coordinators: Shailender Singh and Rohith H

Welcome to Anadigics Locker! In this exhilarating event, a mystery box has to be unlocked using a series of digits. These digits are realised by solving analog or digital circuits in an online simulation tool. Every set of circuits solved takes you ever closer to unlocking the “ANADIGICS LOCKER” Some circuits require the interpretation of datasheets of specific components In this ultimate test, your data interpretation capabilities will have to endure against the trials and tribulations thrown at you.

PLC Workshop

Date: 26th November 2022

Venue: CDP LAB, 2nd floor,

No. of participants: 20 individuals

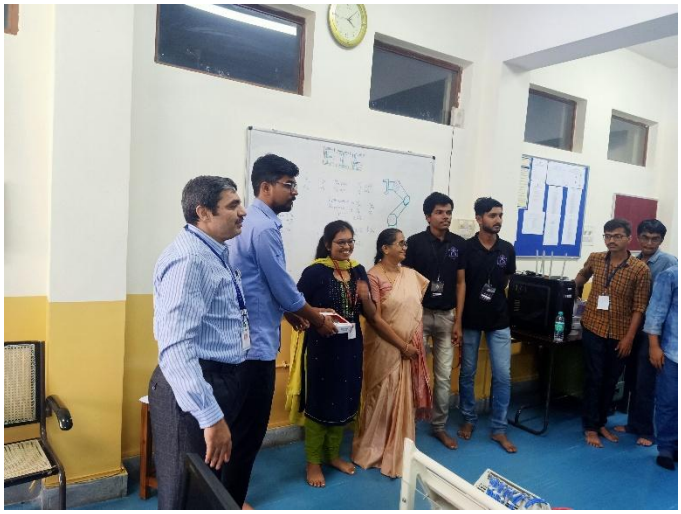
Resource Person: Deepak Jawali (Mitsubishi Electric)

Faculty coordinators: Dr. Santosh R. Desai

Student coordinators: Anirudha Vasishta Sharma, Tejas B S

The Most Used Guiding Force Behind an Automated Industrial Plant is a “Programmable Logic Controller” generally known As A PLC. PLCs Along With Certain Other Necessarycomponents Like Sensors, Motors, Actuators, Valves, Conveyors, Boilers, & many more, Makes A Real Automated Manufacturing Plant.

The Workshop mainly focused on the introduction and basic concepts of PLC simulations and at the end of the event. In the beginning of the event Santosh sir took a small session on the trends in factory automation and PLC. After the brief introduction Deepak Javali sir from MITSUBISHI took over with practical demonstrations using PLC Trainer kit. At the end of the event 2 problem statements were given and the solutions given by participants wasevaluated and prize was given.



Maze Runner

25th November 2022, 9:00 AM - 5:00 PM and 26th November 2022, 9:00 AM - 4:00 PM

Resource Person: Mr. Prajwal Uppoor (Sandvine)

Faculty coordinators: All Faculty

Student coordinators: Mihir and Syed Zain

"Maze Runner" is about solving a maze through twists and turns. You will be initially trained with the basics of the making of a path finder bot, then you will be given a set of components and the dimensions of the turns and width of the path. You will have the liberty to choose the bot dimension and sensor placement. The team to solve the maze in the least time will win the prize.

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