16.11.2023

<u>NOTICE</u>

This is to inform you that Industry Institute Relationship Cell and IEEE-student chapter (CCET, Degree Wing) will conduct an IDEATHON. Details are as follows:

1. Date of event: 20.11.2023
2. Timing: 10:30 AM to 4:30 PM
3. Venue: CC hall
4. Other details: Following Problem statements will be open to the students to solve and the students need to display their solution on the day of event.
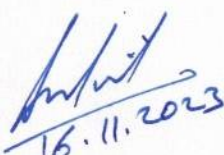
Problem Statements:
   a) Development of a basic image processing application for edge detection and filtering.
   b) Creating a simplified chatbot to assist in answering frequently asked questions for educational institutions.
   c) Designing an affordable and efficient water quality monitoring system for rural areas.
   d) Developing a low-cost, eco-friendly packaging solution for food products.
   e) Designing a basic weather forecasting tool using publicly available data.
   f) Creating an application for tracking and managing waste collection in urban areas.
   g) Designing an interactive and educational game for teaching children about renewable energy sources.
   h) Developing a simplified AI-based recommendation system for educational resources.
   i) Designing a basic IoT-based home automation system using off-the-shelf components.
   j) Creating a mobile app for tracking and reducing energy consumption in households.
   k) Create a circuit for wireless power transfer with high efficiency.
   l) Design a low-cost, high-performance electronic health monitoring system.
   m) Explore innovative ways to harness renewable energy in electronic devices.
   n) Any other relevant Open statement is also accepted.
   o) Team Details: Team will consists of maximum 4 participants, each team will need to prepare the supporting power point presentation along with showcasing prototype to support their work
5. Mementos will be presented to winners (01 Winner team and 01 Runner up team). Also, certificates will be given to all the participants.
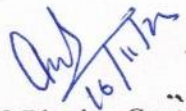
Student coordinators for the event:

| Divyanshu Bhardwaj | Gaurish Kant | Japan |
| CO20520- Student Head-IIRC | CO20522-Sub Head- IIRC | CO21326-Sub Head- IIRC |

Dr. Ankit Gupta
Jt. I/C- IIRC

Prof. Anil Kumar
Prof. I/C IIRC

Prof. Bhasker Gupta
IEEE-Branch Counsellor

Cc:
1. Principal, CCET (For kind information please)
2. All HODs(CSE, ECE, CE, ME, Applied science) with a request to kindly disseminate the information to the students
3. Notice boards