C. V. Raman Global University

AICTE IDEA Lab

Activity Newsletter:
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Issue 03

LEADING FIGURES OF AICTE IDEA LAB, CGU

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About AICTE IDEA LAB

CGU AICTE-IDEA (Idea, Development, Evaluation and Application) Lab is being established in CGU, Bhubaneswar for encouraging students for application of science, technology engineering and mathematics (STEM) fundamentals towards enhanced hands on experience, learning by doing and even product visualization. As a common facility embedded in the institution, the CGU AICTE- IDEA lab will make engineering graduates more imaginative and creative, besides getting basic training in the 21st century skills like critical thinking, problem solving, design thinking, collaboration, communication, lifelong learning etc. CGU AICTE-IDEA Lab empowers the student and faculty to "engage, explore, experience, express and excel", addressing the need of new age learning.

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Ideation Workshop on Skill and Innovations Phase-II

AICTE Idea Lab CGU organized an Ideation Workshop on Skills & Innovations (Phase-II) from 3rd November to 5th November 2022. Forty number of students from B.Tech. / B.E of all specialization of Engineering registered and joined the 03 days program at CGU IDEA Lab by face-to-face mode. This ideation workshop helped the students to handle real time challenges and come up with prolific solution to the problems. It enhances their technical skills, critical thinking, teamwork sprit etc.
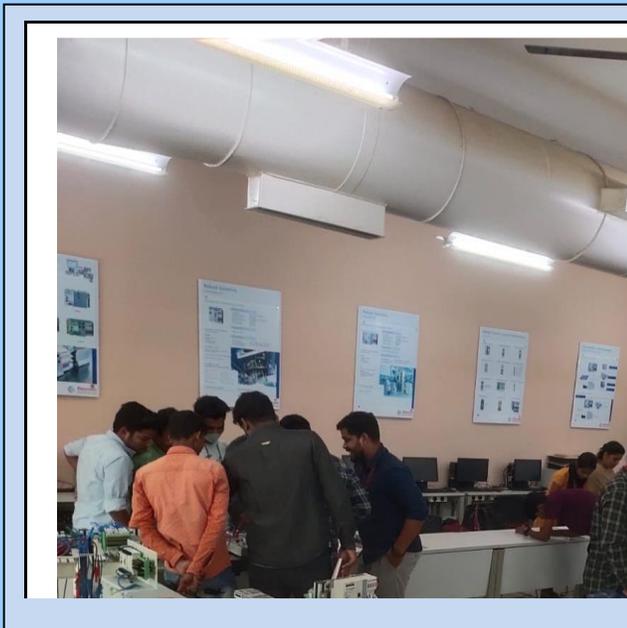

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Professional Skilling Programme on Automation Process Using Embedded System & IoT

The programme was organized by C V Raman Global University, Bhubaneswar from 07th to 19th November 2022. Twenty number of students participated in the 12 days offline workshop. The skills development program included:

- Introduction to embedded system with I/O interfacing
- PCB designing software with Electrical Rule Checking (ERC)
- Routing and completing PCB layout design
- Masking & Manufacturing of PCB
- 3D printing of project components
- Introduction to Programmable Logic Controller with sensor interfacing
- Concept of Process automation in Industries
- Mechatronics system design & Programming
- Sequential control of actuators in automation process
- Implementation of Internet of Things.

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Skill Development programme on Welding and 3D Printing

The Skill Development programme was organized by AICTE IDEA Lab, CGU, Bhubaneswar, Odisha from 21st to 26th November 2022. Twenty number of students participated in the 6 days offline workshop. The skills development program included:

- Introduction to additive manufacturing
- Introduction to Welding
- Hands on 3D Printing
- Hands on Gas Cutting and Gas Welding
- Hands on Manual Metal arc welding
- Hands on Gas Metal Arc welding
- Hands on Gas Tungsten Arc welding

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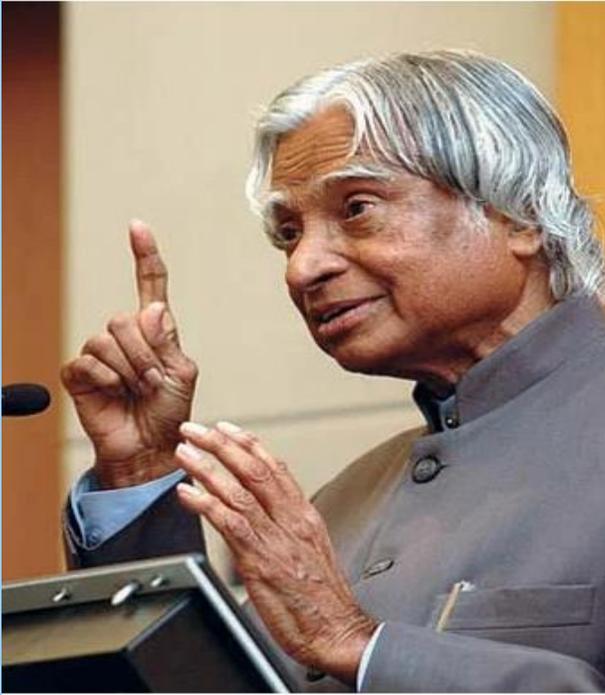# Faculty Development Program on Shining 3D Scanner and Geomagic Design-X

Faculty Development Program (FDP) on shining 3D Scanner and Geomagic Design-X was organized by IDEA (Idea, Development, Evaluation and Application) Lab of C. V. Raman Global University, from 12th to 17th December 2022. Experts discussed about Introduction to basics 3D Scanner and related software, Hands-on session on scanning different structures using shining 3D Scanner, and Geomagic design-X RE software using different scanned images using 3D Scanner.

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OPEN DAY FOR SAI INTERNATIONAL STUDENTS

On 2nd December 2022, twenty five students of class XI escorted by two teachers from SAI International School have participated in the open day visit to the CGU AICTE IDEA Lab. The students and teachers were very happy to visit CGU AICTE IDEA lab open day visit. They were very interactive and participated enthusiastically. Students expressed their views to revisit our campus and to register themselves in AICTE IDEA Lab. Our CGU team member of AICTE Idea Lab demonstrated overview of IDEA Lab, PPT student activities ideation, the different project idea related to recent trends on Science and Technology.

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"Learning gives creativity, creativity leads to thinking, thinking provides knowledge, knowledge makes, you great."

A. P. J. Abdul Kalam

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