CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

Kokapet (Village), Gandipet, Hyderabad, Telangana - 500075.

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

a) Experiential Learning

Students are encouraged to develop unique solutions to practical tasks while exploring real-world topics. The following methodologies are implemented:

- **Industrial Internships/Visits**: Students are motivated to participate in industrial internships during their final year to gain hands-on experience and industry exposure.

- **Rural Internships/Community Engagement**: Introduced in the R-20 regulation, this initiative aims to provide students with insights into rural life, culture, and societal dynamics.

- **Learning through Laboratory Courses and Projects:** The curriculum incorporates a significant number of laboratory courses and project work, including mini, minor, and major projects, to foster practical skills.

- **CALL (Computer-Aided Language Learning):** This program focuses on accent neutralization, phonetics, and essential real-world skills such as interview techniques and presentation abilities.

Samples of Experiential Learning:

Students working in teams to complete the assigned experiment

Demonstration of experiment

Students engaged in result analysis

Industrial Visit:The students from IETE - CBIT visited T-Works

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The students from IETE - Chaitanya Bharathi Institute of Technology visited T-Works for an industrial trip facilitated by faculty coordinators Sri T. Sridhar and Smt. Neeraja, alongside faculty members Sri Sai Krishna, Sri E. Chandrashekar, and Smt. Nagadevi. This visit has been encouraged and appreciated by Prof.C.V.Narasimhulu, Principal CBIT. The visit aimed to provide practical knowledge in various domains, including the Electronics Lab, Testing Lab, and Advanced Rapid Prototyping Lab. Students explored workbench zones equipped with oscilloscopes, spectrum analyzers, and 3-phase power analyzers, gaining hands-on experience in signal analysis and PCB assembly. Additionally, they learned about environmental testing, vibration analysis, and material strength testing in the Testing Lab, and witnessed advanced manufacturing processes such as UV printing, vacuum forming, and 3D printing in the Rapid Prototyping Lab. The visit offered valuable insights into innovative initiatives at T-Works, fostering a deeper understanding of electronics and manufacturing technologies among the participants.

Industrial Visit

CSE Students visit to T-Hub for Digital citizen summit2023.

b) Participative Learning

The institute emphasizes participative learning by encouraging students to engage in collaborative and interactive group activities. Key methodologies include:

- **Flipped Classrooms:** Students actively participate in peer learning and discussions, facilitated by prior preparation.

- **ICS (Interactive Communication Skills):** Activities aimed at enhancing interpersonal and professional communication skills.

- **Hands-on Training Programs and Workshops:** Practical training sessions designed to enhance technical proficiency.

-**Technical Clubs:** Platforms for students to collaborate, innovate, and apply theoretical knowledge in practical scenarios.

- **MOOCs (Massive Open Online Courses):** Students are encouraged to enroll in online courses to supplement their learning and gain exposure to diverse topics.

Samples on Hand-on Session in Project Expos:

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY
An Autonomous Institute | Affiliated to Osmania University
COMMITTED TO RESEARCH, INNOVATION AND EDUCATION 46 years

Department of Computer Science and Engineering, CBIT(A)

in Collaboration with

TechyBees EduCon Pvt. Ltd.

Organizing a Hybrid Mode Workshop/Bootcamp on

Bigdata-Hadoop

October 26th to Nov 16th (Every Saturday) 2024


DEPARTMENT OF ECE, OUCE & CBIT
IETE STUDENT FORUM
EXPLORING THE ART OF
PCB DESIGNING


Speaking: GMR, Satvika Reddy (Cohost)
Sneha
Me
Preethivardhan Anusri Ega
Chirag Jain
Satvika Reddy (Cohost)
GMR
IEEE CBIT (Host)
Unmute
Start video
Participants
Chat

C] Problem Solving Methodologies:

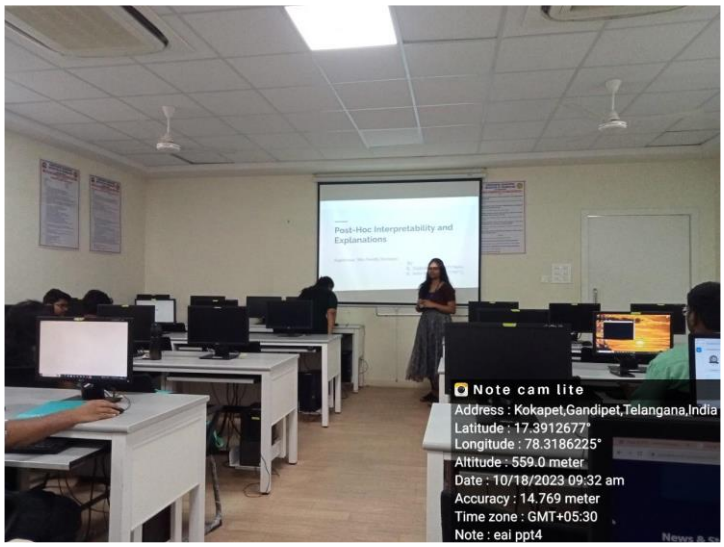
At our institution, we prioritize equipping students with robust problem-solving methodologies to address real-world challenges effectively. This is achieved through a structured approach that integrates critical thinking, analytical reasoning, and practical application into the curriculum. By embedding problem-based learning (PBL) across disciplines, students are exposed to real-life scenarios where they analyze issues, brainstorm solutions, and implement strategies collaboratively.

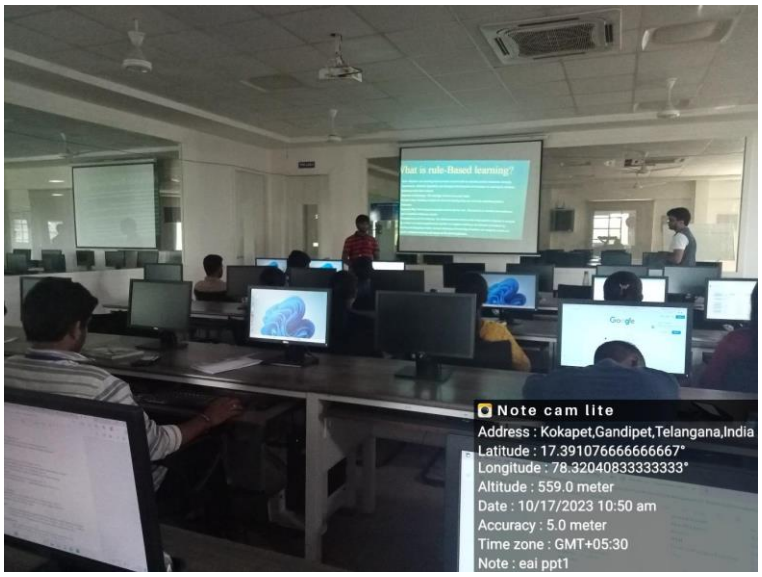
Students are engaged in various problem-solving activities that enable them to apply their knowledge to solve real world problems.

- Course End Projects, Mini and Major Projects
- Open ended problems
- Structured Enquiry
- Group Assignments
- Crossword Puzzles & Quizzes.

Samples of Problem-Solving Methodologies:

Post-Hoc Interpretability





Competitive Coding Session


SYNAPSE DAY-1
MATLAB WORKSHOP

HeadStart2023 Poster

Photograph of Headstart2023 team

HeadStart2023 Team

Dr.Y.Ramadeviappreciating student Coordinator