

Event Report for the Event- on “Understanding ECBC Codes and Energy Simulation of Commercial Buildings”

- **Title:** Two-day training program on “**Understanding ECBC Codes and Energy Simulation of Commercial Buildings**”.
- **Venue:** Hall 2 in R & D Building, BIT Mesra on 16.03.2023 and CAD Room, Main Building, BIT Mesra:17.03.2023.
- **Departments organizing the event-** Department of Architecture and Planning, BIT Mesra and Department of Civil and Environmental Engineering, BIT Mesra.
- **Chief guest** of ceremony was Dr Kunal Mukhopadhyay, Dean of Faculty Affairs
- **Welcome address given by Dr Bindhu lal, head ,civil and Environmental Engineering department.**
- **Vote of Thanks given by Dr Smriti Mishra, Head, dept of Architecture and Planning.**
- **Faculty Members who organized the event-** Dr. Kirti Avishek, Associate Professor and Associate Dean of Faculty Affairs, Department of Civil and Environmental Engineering and Apurv Ashish, Assistant Professor, Department of Architecture and Planning.
- **Training is provided by-** Master Trainers from Bureau of Energy Efficiency (BEE) : Mr. Rana pratap poddar and Mr Jitendra Vyas.
- **Introduction:** This training programme aims to provide an in-depth understanding of Energy Conservation Building Code (ECBC) and the energy simulation of commercial buildings. This will be based on National Building Code of India. Training Programme is primarily focused at Skill development of students of BIT MESRA.
- **Day 1:** 16.03.2023 The first day started with welcoming guests and handing over bouquets from 9:30 am to 10:00 am followed by an **Introduction to ECBC Codes** by Speaker 1 from 10:00 am to 11:15 am. The next session was conducted by Speaker 2 from 11:15 am to 12:30 pm on Understanding Energy Simulation of Commercial Buildings- Hands on training on EQUEST software followed by a Q&A session by Speaker 1 and Speaker 2 from 12:30 pm - 12:45 pm. After lunch break from 12:45 pm - 1:30 pm, Speaker 1 conducted a session on Best Practices for Energy Efficiency in Buildings from 1:30 pm - 3:00 pm followed by another hands-on training session on

Energy Modeling for different building types- Hands on training on EQUEST software by Speaker 2 from 3:00 pm – 5:00 pm. The day ended with a Q&A session by Speaker 1 and Speaker 2 from 5:00 pm - 5:30 pm.

- **Day 2:** 17.03.2023 The second day started with Building Envelope Design and HVAC by Speaker 1 from 10:00 am -11:15 am followed by an interactive session on Energy Simulation- Hands on training on EQUEST software by Speaker 2 from 11:15 am -12:30 pm. After lunch break from 12:30 pm -1:30 pm, there was another interactive session on Energy Simulation- Hands on training on EQUEST software by Speaker 1 and Speaker 2 from 1:30 pm -4:45 pm. The program ended with a Wrap up Session and Q&A Session by Speaker 1 and Speaker 2 from 4:45 pm -5:00 pm followed by a speech by Head of the Department of Architecture and Planning (Dr. Smriti Mishra), Felicitation of the Guests by Head of the Department of Civil Engineering (Dr. Bindu Lal) from 5:00 pm -5:30 pm.

The poster features a green background with a grid pattern and a central logo of the Indian Institute of Technology (IIT) Kharagpur. The text is centered and includes the following details:

**DEPARTMENT OF ARCHITECTURE AND PLANNING
&
DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING**
IS JOINTLY ORGANISING A TWO-DAY TRAINING ON

**UNDERSTANDING
ECBC**
AND ENERGY SIMULATION
OF COMMERCIAL BUILDINGS

ENERGY CONSERVATION BUILDING CODE (CODE) IS TO PROVIDE MINIMUM REQUIREMENTS FOR THE ENERGY-EFFICIENT DESIGN AND CONSTRUCTION OF BUILDINGS. THE CODE ALSO PROVIDES TWO ADDITIONAL SETS OF INCREMENTAL REQUIREMENTS FOR BUILDINGS TO ACHIEVE ENHANCED LEVELS OF ENERGY EFFICIENCY THAT GO BEYOND THE MINIMUM REQUIREMENTS.

**16th & 17th MARCH
2023**

PORTraits:
- **RANA PRATAP PODDAR**, BEE CERTIFIED ECBC MASTER TRAINER
- **JITENDRA VYAS**, STRUCTURAL CONSULTANT AND GRIHA EVALUATOR

HEADS:
- **DR. SMRITI MISHRA**, DEPARTMENT OF ARCHITECTURE AND PLANNING
- **DR. BINDHU LAL**, DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

CO-ORDINATORS:
- **DR. KIRTI AVISHEK**, ASSOCIATE PROFESSOR, DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING
- **APURV ASHISH**, ASSISTANT PROFESSOR, DEPARTMENT OF ARCHITECTURE AND PLANNING





