

BEST PRACTICE #1

Title: Interdisciplinary Project

Objective

Interdisciplinary project is to involve and engage students from different disciplines and seek their input and feedback throughout the project planning and execution process, and respect their expertise and perspectives.

The Context

Interdisciplinary work is the process of developing an integration of methods that are traditionally thought of as separate fields. It is a professional learning experience that offers meaningful, practical work related to a student's field of study or career interest. Interdisciplinary work gives the opportunity to explore and develop a project in multidisciplinary domain, and to learn new skills.

The Practice

- Project funded by the college management
- Periodic reviews for projects
- Continuous assessment by the management

Evidence of Success

Students and faculty can work unitedly during the project work and a working module was developed.

Problems Encountered and Resources Required

The most faced difficulty is to find common time for discussion. Hardware and software related to project to be identified and purchased.

BEST PRACTICE #2

Title : Quality Teaching - Learning

Objective

Adopt high quality teaching –Learning methodologies to enable the students to acquire higher order technical skills

The Context

Leveraging technology for higher order thinking is ensured by implementing an effective Teaching and Learning process. A well-defined system of academic components and procedures are required to improve the quality of teaching Learning.

The Practice

- Adherence to Academic Calendar
- Pedagogical Initiatives
- Outcome based teaching and assessment
- Periodic Reviews for projects
- Continuous assessments in Laboratories
- Mini projects and Case studies in theory subjects

Evidence of Success

- Students participate in various technical competitions like Hackathon, Coding contests
- Students undertake internships and industry projects
- Very good placement offers

Problems Encountered

- Few students lack in self-motivation towards studies and co-curricular activities

Resources Required

- Motivational sessions to encourage slow learners
- Additional time must be spent to give guidance to slow learners



COIMBATORE INSTITUTE OF TECHNOLOGY

(Established in 1956)

1-5213396

AICTE PID

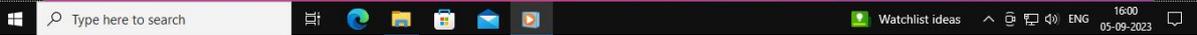
RECENT BEST PRACTICES

FOLLOWED BY

COIMBATORE INSTITUTE OF TECHNOLOGY



Activate Windows
Go to Settings to activate Windows



CIT Recent Best Practices



COIMBATORE INSTITUTE OF TECHNOLOGY



LEARNER CENTRIC EDUCATION



Activate Windows
Go to Settings to activate Windows



Practical Classes as a blend of Theory



- ✚ Electric Circuit Engineering Laboratory
- ✚ DC Machines and Transformers Laboratory
- ✚ AC Machines Laboratory
- ✚ Integrated Circuits Laboratory
- ✚ Control Systems Laboratory
- ✚ Transducers and Instrumentation Laboratory
- ✚ Microprocessor and Microcontroller Laboratory
- ✚ Power Electronics Laboratory
- ✚ Electric Drives Laboratory
- ✚ Power , Energy and Smart Grid Systems Laboratory
- ✚ Embedded Controls Laboratory
- ✚ Embedded Systems Laboratory
- ✚ **Centre for Power Quality And Energy Studies.**
- ✚ **Centre for Industrial Automation and Robotics**
- ✚ **Centre for cyber security**



00:38

78

Type here to search

Watchlist ideas

ENG

16:01

05-09-2023

Pedagogical Initiatives



- ✚ 2 credit course on Comprehensive Learning (2015) in IV semester,
- ✚ 2 credit course Professional Competency (2019) in VII semester introduced for GATE coaching
- ✚ Open book test
- ✚ Flipped and blended learning
- ✚ Online quiz platform
- ✚ One minute talk
- ✚ Team activities
- ✚ Open ended projects
- ✚ Term paper assignment
- ✚ Hands on training during Induction program
- ✚ OPAC – Open access library App
- ✚ Nasscom future skills
- ✚ Video Lectures



00:46

2

Activate Windows
Go to Settings to activate Windows.







 **NPTEL Online Certification**
(Funded by the MoE, Govt. of India)



This certificate is awarded to
A F ABDUL SHIHAAB
for successfully completing the course

Business Analytics and Data Mining Modeling using R

with a consolidated score of

Online Assignments		Proctored Exam	
--------------------	--	----------------	--

Total number of candidates certified in this course: **263**


Prof. Sanjeev Manhas
Coordinator, Continuing Education Centre
IIT Roorkee

Jan-Apr 2023
(12 week course)


Prof. Priti Maheshwari
NPTEL Coordinator
IIT Roorkee

 Indian Institute of Technology Roorkee

 **swayam**
FREE ONLINE EDUCATION
सहायता के साथ शिक्षा

Roll No: NPTEL23MG14S63390403 01:19 No. of credits recommended: 3 or 4



COIMBATORE INSTITUTE OF TECHNOLOGY



ACADEMIC RESEARCH AND INTERNATIONALIZATION



01:26

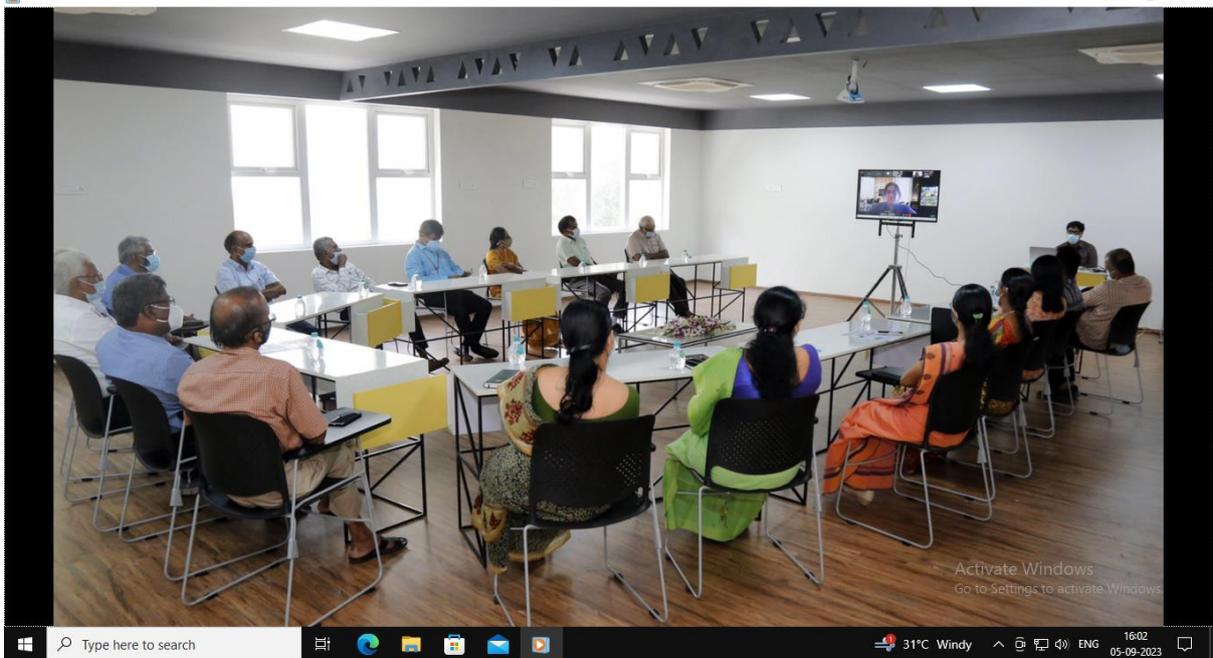


01:35



Activate Windows
Go to Settings to activate Windows.







Type here to search

31°C Windy 16:02 05-09-2023



COIMBATORE INSTITUTE OF TECHNOLOGY

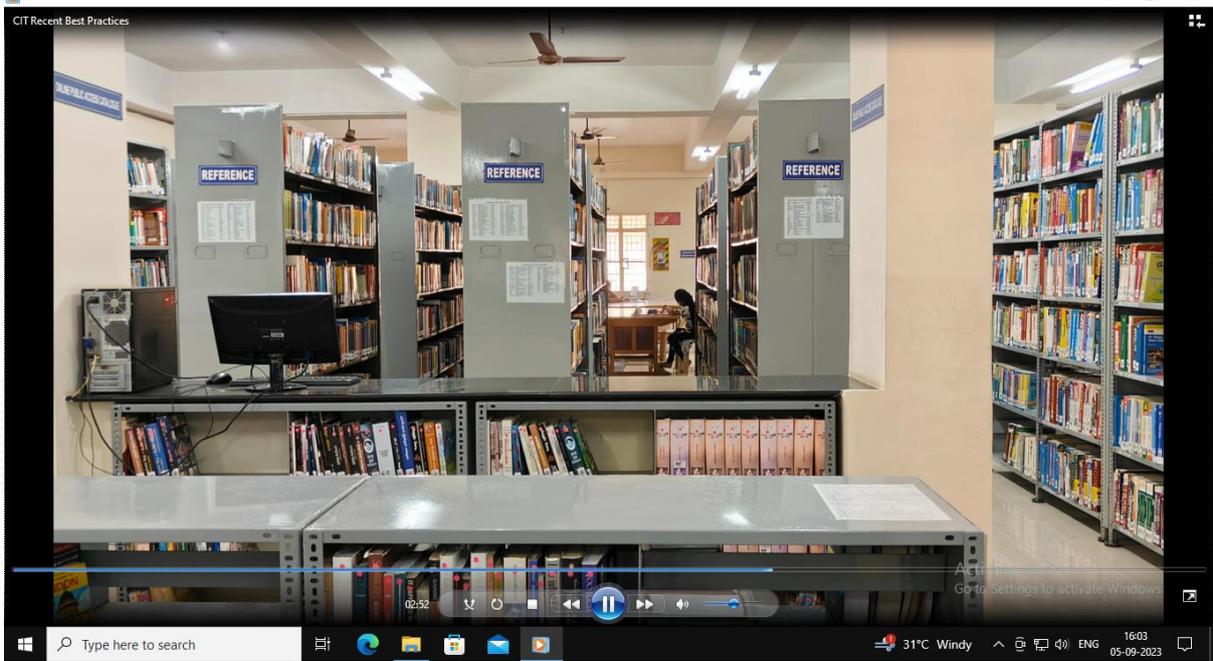
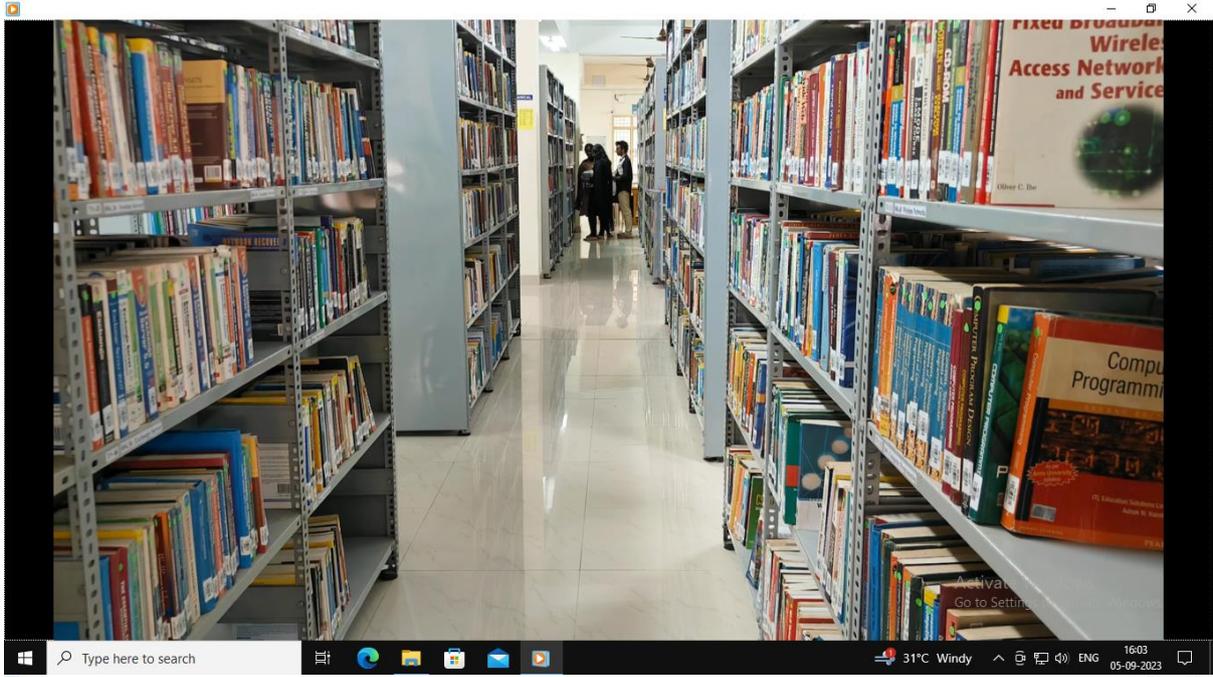


DIGITAL LEARNING



Type here to search

31°C Windy 16:03 05-09-2023



CIT Recent Best Practices



COIMBATORE INSTITUTE OF TECHNOLOGY



INDUSTRY INSTITUTE COLLABORATION



03:06

Go to Settings to activate Windows

Type here to search

31°C Windy 16:04 05-09-2023

CIT Recent Best Practices

Solar Lamp Assembly Workshop – 2-10-2019



**Student Solar Ambassador Workshop –
2019 in Commemoration of 150th Gandhi
Jayanthi as a part of Gandhi Global
Solar Yatra in Association with
Ministry of New and Renewable Energy
and Indian Institute of Technology,
Bombay**

**Workshop Theme - Learn, Use & Promote
Solar Energy**



03:10

Go to Settings to activate Windows

Type here to search

31°C Windy 16:04 05-09-2023

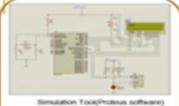
Development of Intelligent Remote Health Monitoring (IRHM) for Bridges



Participating Organizations

- : a) CSIR-SERC, Chennai
- : b) CSIR-CRRI, New Delhi
- : c) CIT, Coimbatore

WSN Test and Result



Simulation Tool(Proteus software)

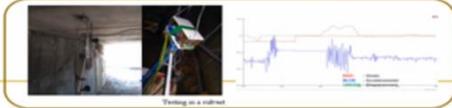
- Testing of Designed Circuit
- Interconnected components testing
- simulate the complete program of microcontroller



Sensors Integration and Checking



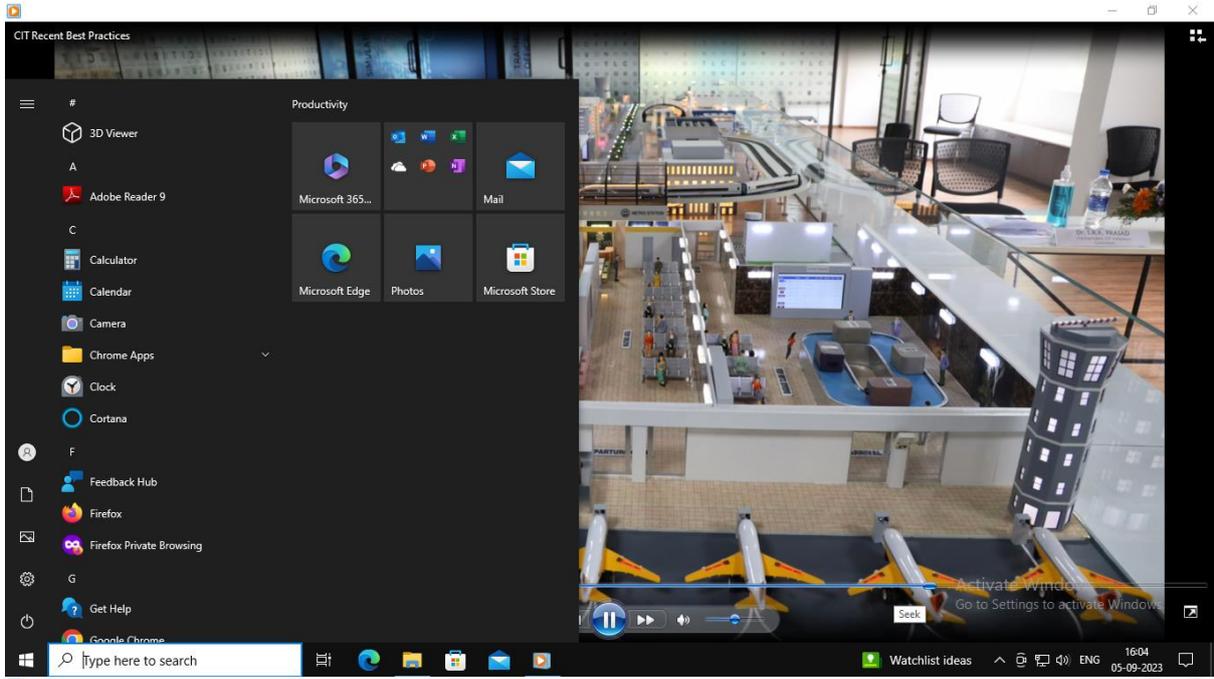
Wireless Testing On concrete beam



Go to Settings to activate Windows

CIT Recent Best Practices







COIMBATORE INSTITUTE OF TECHNOLOGY



INDIAN KNOWLEDGE SYSTEMS



Type here to search

Watchlist ideas

16:04
05-09-2023

CIT Recent Best Practices



Type here to search

Watchlist ideas

16:04
05-09-2023

