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Session 2019-2020
REPORT

Title	Network Administration
Name of the activity	Add on course
Date	20/04/2020 to 25/04/2020
Venue	Upper Auditorium Chouksey Engineering College
Organized by	Department of Computer Science and Engineering
Resource person	Hitesh Nath, Sysorex
Participated by	116 students
Program Objective	By the end of the course, students will be able to describe and execute network administrator duties and utilities. They will know how to implement server organization, user rights, user addition, maintenance of security and user accounting.
Program outcome	Demonstrate understanding of how computers communicate with each other and the methods employed to ensure that the communication is reliable.
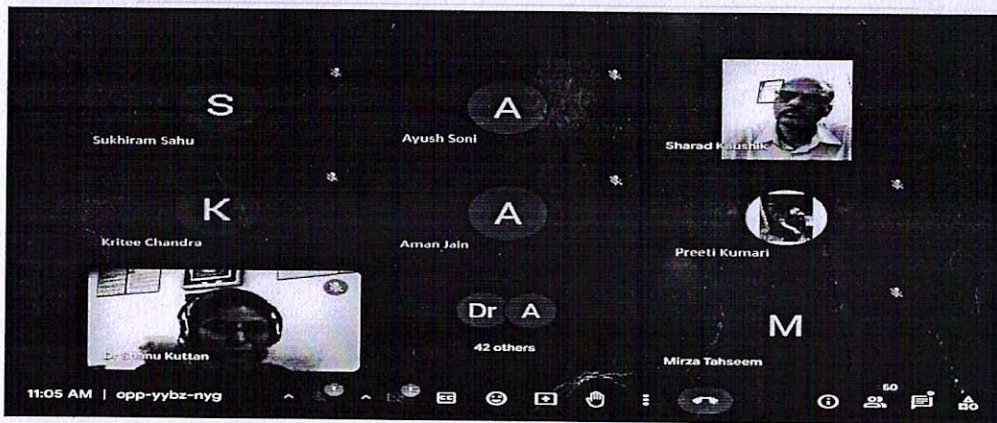
Students during Add on courses on Network Administration from 20/04/2020 to 25/04/2020

Course Coordinator

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Session 2019-2020

REPORT

Title	Information Security & Cyber LAW
Name of the activity	Add on course
Date	16/09/2019 to 22/09/2019
Venue	Upper Auditorium Chouksey Engineering College
Organized by	Department of Computer Science and Engineering
Resource person	Rajesh R Kuttan, Sysorex
Participated by	107 students
Program Objective	Students will learn the basics of Information Security, Anatomy of information Security Attacks their countermeasures and Fundamentals of Cyber Law through Virtual Training Environment.
Program outcome	The participants will be able to design countermeasures against common Information Security Attacks, they will be able to implement operating system hardening, Configure Firewall &IDS and Evaluate, implement Information security in a Network Environment.

Students during Add on courses on Information Security & Cyber LAW
from 16/09/2019 to 22/09/2019

Course Coordinator

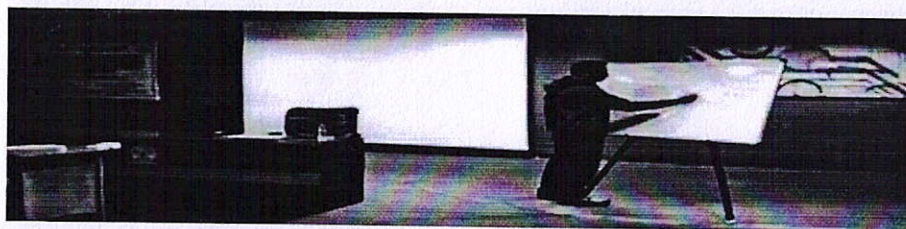PRINCIPAL
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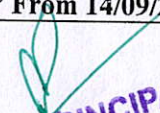**Engineering College**
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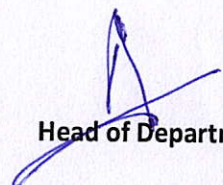
Session 2019-20
Report

Title	DEVELOPMENT & IMPLEMENTATION OF RESEARCH METHODOLOGY (PHASE-I)"
Name of the Activity	Add on Course
Date	14/09/2019 to 19/09/2019
venue	Lower Auditorium, Main Building, CEC Bilaspur (CG)
Organized by	Department of Mechanical Engineering
Resource Person	Dr. S. Gangopadhyay, Associate Professor, IIT Bhilai (CG)
Participated by	89
Program Objective	• The objective of the workshop on "Development & Implementation of Research Methodology (Phase-I)" is to equip participants with essential skills and knowledge necessary to effectively plan and initiate the research process. • Participants will gain a comprehensive understanding of foundational research methodologies, enabling them to formulate research questions, design methodologies, and begin implementing their research projects with confidence.

Program Outcome	By the end of this workshop, participants will be able to:
	1. **Understand Research Fundamentals:**
	  ○ Define the purpose and significance of research in academic and professional contexts.
	  ○ Differentiate between various types of research methodologies and their applications.
	2. **Formulate Research Questions and Objectives:**
	  ○ Develop clear and focused research questions based on identified gaps or problems in the field.
	  ○ Establish specific research objectives that align with the research questions.

Workshop on " DEVELOPMENT & IMPLEMENTATION OF RESEARCH METHODOLOGY (PHASE-I)" From 14/09/2019 to 19/09/2019

Course Coordinator

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Session 2019-20
Report

Title	"Workshop on" DEVELOPMENT & IMPLEMENTATION OF RESEARCH METHODOLOGY (PHASE-II)"
Name of the Activity	**Add on Course**
Date	**27/01/2020 to 31/01/2020**
venue	**Lower Auditorium, Main Building, CEC Bilaspur (CG)**
Organized by	**Department of Mechanical Engineering**
Resourse Person	**Dr. S. Gangopadhyay, Associate Professor, IIT Bhilai (CG)**
Participated by	92
Program Objective	• The objective of the workshop on "Development & Implementation of Research Methodology (Phase-II)" is to build upon participants' foundational knowledge from Phase-I and further enhance their skills in executing and completing research projects. • This phase focuses on advanced research methodologies, data analysis techniques, and strategies for synthesizing research findings into meaningful conclusions and recommendations.
Program Outcome	By the end of this workshop, participants will be able to: 1. **Refine Research Objectives and Scope:** ○ Clarify and refine research objectives based on Phase-I outcomes and preliminary findings. ○ Define the scope of the research project to ensure alignment with research questions and objectives. 2. **Select Advanced Research Methodologies:** ○ Choose and justify advanced research methodologies and techniques appropriate for the study. ○ Integrate multiple research methods (quantitative, qualitative, mixed-methods) effectively to address complex research questions.

Add on Course on Workshop on" DEVELOPMENT & IMPLEMENTATION OF RESEARCH METHODOLOGY (PHASE-II)"
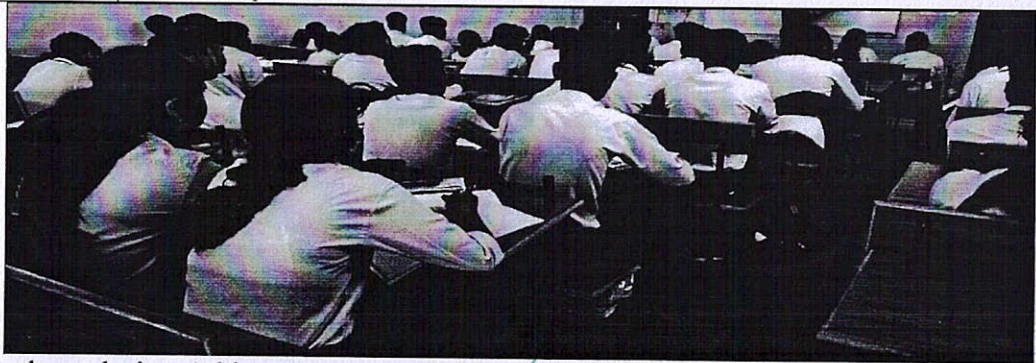
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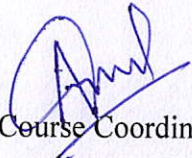
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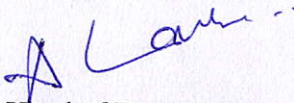
Title	Add on courses on Modern Physics
Name of the activity	Add on course
Date	11/11/2019 to 21/11/2019
Venue	S2, Main Building, Chouksey Engineering College
Organized by	Department of Physics
Resource person	Prof. Dr. Manojit de Assistant Professor, Chouksey Engineering College
Participated by	120 students
Program Objective	1) This course is intended as a modern physics course to strengthen basic modern physics concepts required for engineering students. 2) Basic elements of modern physics based on quantum physics and relevant information on atomic structure and spectra, are included in the syllabus. 3) Students taking this course should enter in higher standards of engineering program with a solid conceptual understanding of the fundamental physical laws, how these laws can be applied to solve many problems, and how physics is relevant to the world around them. 4) The course helps in developing the understanding required for a broad range of engineering applications and examples.
Program outcome	1) This course is designed so that the students learn basic and essential concepts of Modern Physics with some of its main applications, which may be further useful for higher learning in different branches of engineering and develop analytical and problem solving skills for variety of problems. 2) On completion of this course, the students will be able to develop understanding for variety of areas in the physics including quantum physics, atomic and molecular spectroscopy and solid-state physics/devices. 3) Furthermore, this course will further help students to understand the fundamental physics behind the emerging areas of physics such as lasers and superconductors.

Picture on Students during Add on courses on **Modern Physics** from 11/11/2019 to 21/11/2019
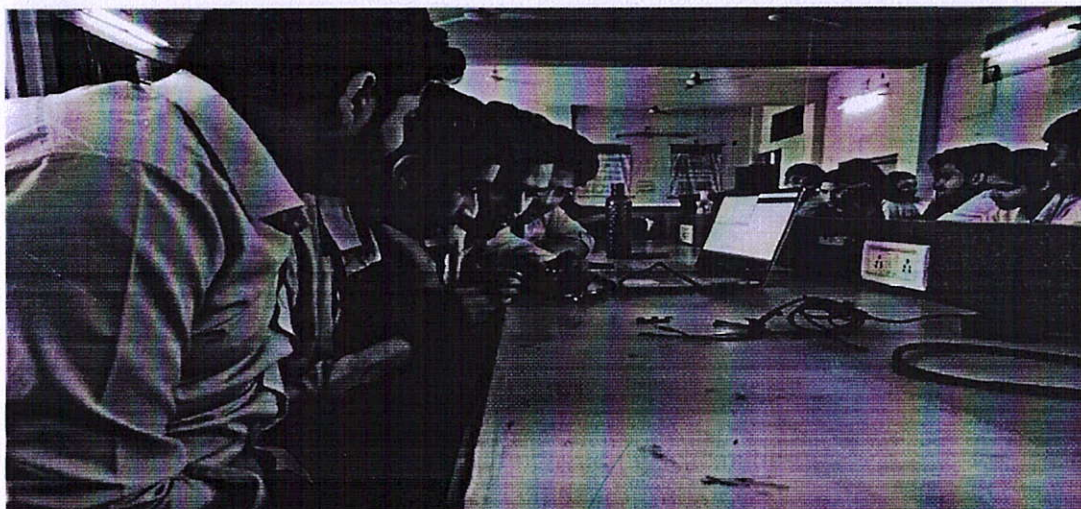
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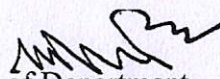
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Session 2019-20

REPORT

Title	Add on course on ARDUINO
Name of the activity	Add on course
Date	9/9/2019 to 20/9/2019
Venue	MS-16,EMEC Building, Chouksey Engineering College
Organized by	Department of Electronics & Telecommunication Engineering
Resource person	Prof Ranbir Kumar Paul Assistant Professor, Chouksey Engineering College
Participated by	60 students
Program Objective	1)To learn Arduino programming language & IDE 2) To program basic arduino examples.
Program outcome	1) Basic of electronics, including reading schematics. 2) Prototype circuits & connect them to Arduino.

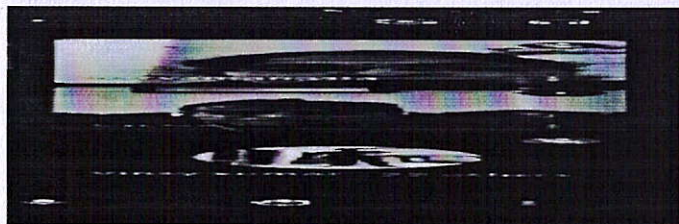Students during Add on courses ARDUINO from 9/9/2019 to 20/9/2019

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Session 2019-20

REPORT

Title	Add on course on PYTHON Language
Name of the activity	Add on course
Date	4/5/2020 to 14/5/2020
Venue	Online Mode: Google meet
Organized by	Department of Electronics & Telecommunication Engineering
Resource person	Prof A N Sarvamangala Assistant Professor, Chouksey Engineering College
Participated by	60 students
Program Objective	1)To understand usefulness of PYTHON Language 2) To learn how to design & program python language
Program outcome	1)To know the concept of function in python. 2)To know the difference between running python program on MAC & Windows

Students during Add on courses PYTHON Language from 4/5/2010 to 14/5/2020

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REPORT

Title	Advance Technologies in concrete and precast concrete
Name of the activity	Add on course
Date	16/12/2019 to 21/12/2019
Venue	Swami Vivekananda Auditorium, Chouksey Engineering College
Organized by	Department of Civil Engineering
Resource person	Mr. G. P. Sharma, Assistant Professor, CEC, Bilaspur
Participated by	100 students
Program Objective	Develop concrete mixes and precast elements that offer superior resistance to environmental factors, chemicals, and physical wear, thus extending the lifespan of structures& also Design and construct structures that can withstand extreme conditions, such as earthquakes, floods, and fires, enhancing safety.
Program outcome	Enhanced Durability and Performance, with Innovative Design and Construction Techniques by Smart Infrastructure and Monitoring.
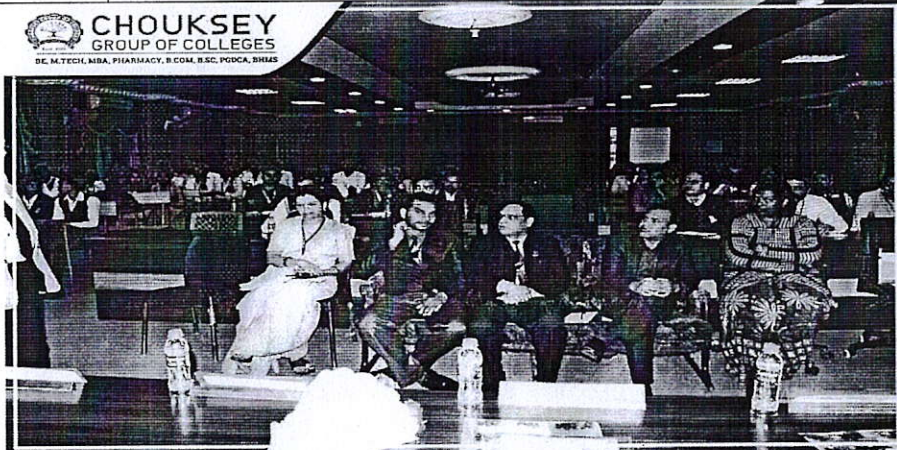
Add on course advance Technologies in concrete and precast concrete
from 16/12/2019 to 21/12/2019

Course Coordinator

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Session 2019-20
REPORT

Title	Battery Management Systems
Name of the activity	Add on course
Date	9/9/2019 to 19/09/2019
Venue	CAD/CAM Lab,EMEC Building, Chouksey Engineering College
Organized by	Department of Electrical & Electronics Engineering
Resource person	Prof Mohini Moitra, Assistant Professor, Chouksey Engineering College
Participated by	55 students
Program Objective	To equip students with comprehensive knowledge and practical skills in designing, implementing, and maintaining efficient and reliable BMS for electric vehicles. The course emphasizes safety, energy efficiency, and regulatory compliance, ensuring graduates can effectively manage and optimize battery performance in various applications.
Program outcome	Upon completing the Battery Management Systems (BMS) certification course, students will be proficient in designing, implementing, and maintaining advanced BMS for electric vehicles, ensuring optimal performance and safety. Graduates will also be well-versed in industry standards and regulatory compliance, equipped to address real-world challenges in battery management.

Attendees during "Battery Management Systems "from 9/9/2019 to 19/09/2019

Mohini Moitra

Course Coordinator

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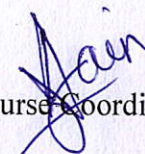LAL KHADAN, BILASPUR (C.G.)

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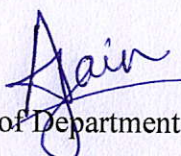
Title	**E-Mobility Design and Simulation**
Name of the activity	Add on course
Date	4/05/2020 to 14/05/2020
Venue	MS-10,EMEC Building, Chouksey Engineering College
Organized by	Department of Electrical & Electronics Engineering
Resource person	Prof Arun Kumar Jain, Assistant Professor, Chouksey Engineering College
Participated by	54 students
Program Objective	To deliver and discuss about architecture, power electronics based drive control system, battery management system and grid integration issues of Electric and hybrid vehicles.
Program outcome	1. Understand the working of different configurations of electric vehicles, and its components. 2. Apply the concepts for Electric Vehicles.

Students during "Electrical Vehicles (design & simulation)"from 4/05/2020 to 14/05/2020

Course Coordinator

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