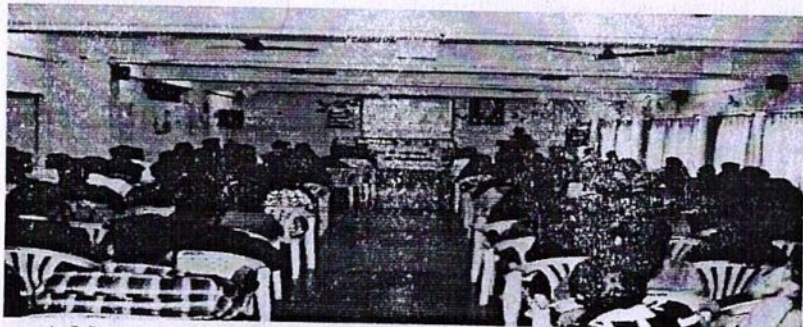



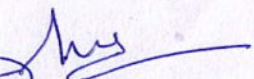
**Session 2022-2023**

**REPORT**

<b>Title</b>	Add on courses for Data Analyst
<b>Name of the activity</b>	Add on course
<b>Date</b>	17/04/2023 to 22/04/2023
<b>Venue</b>	Upper Auditorium, Chouksey Engineering College
<b>Organized by</b>	Department of Computer Science and Engineering
<b>Resource person</b>	Akhilesh Sharma NIT Raipur
<b>Participated by</b>	82 students
<b>Program Objective</b>	This course gives an overview of Big Data, i.e. storage, retrieval and processing of big data. In addition, it also focuses on the “technologies”, i.e., the tools/algorithms that are available for storage, processing of Big Data. It also helps a student to perform a variety of “analytics” on different data sets and to arrive at positive conclusions.
<b>Program outcome</b>	Understand Big Data and its analytics in the real world Analyze the Big Data framework like Hadoop and NOSQL to efficiently store and process Big Data to generate analytics Design of Algorithms to solve Data Intensive Problems using Map Reduce Paradigm Design and Implementation of Big Data Analytics using pig and spark to solve data intensive problems and to generate analytics Implement Big Data Activities using Hive
	
Students during Add on courses on Add on courses for Data Analyst from 17/04/2023 to 22/04/2023	

  
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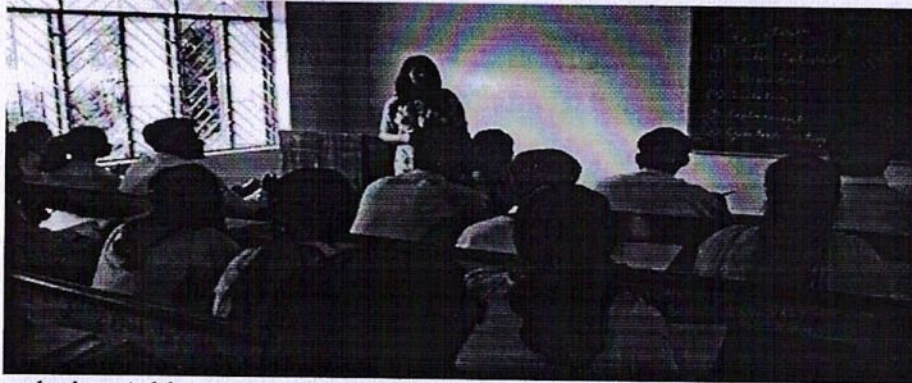
  
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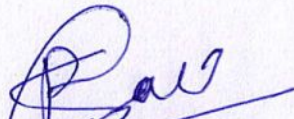
**Session 2022-2023**

**REPORT**

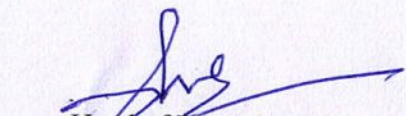
<b>Title</b>	Software Development Hadoop
<b>Name of the activity</b>	Add on course
<b>Date</b>	17/10/2022 to 22/10/2022
<b>Venue</b>	Upper Auditorium, Chouksey Engineering College
<b>Organized by</b>	Department of Computer Science and Engineering
<b>Resource person</b>	Dr. Shanu Kuttan Rakesh
<b>Participated by</b>	108 students
<b>Program Objective</b>	Big Data and Hadoop training course is designed to provide knowledge and skills to become a successful Hadoop Developer. In-depth knowledge of concepts such as Hadoop Distributed File System, Hadoop Cluster -Single and multi-node, Hadoop 2.0, Map-Reduce etc will be covered under this training.
<b>Program outcome</b>	After the completion of the course, the students will be able to analyze and work upon voluminous data of any organization from various perspectives and will be able to develop reports and trends may be seen and decisions with regards to business activities running in organizations may be taken.



Students during Add on courses on Software Development Hadoop from 17/10/2022 to 22/10/2022

  
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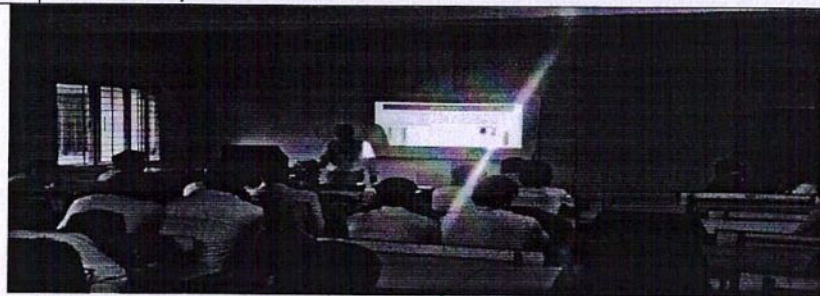
  
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Session 2022-23

Report

<b>Title</b>	<b>“Material Testing using UTM”</b>
<b>Name of the Activity</b>	<b>Add on Course</b>
<b>Date</b>	<b>04/08/2022 to 08/08/2022</b>
<b>Venue</b>	Upper Auditorium, Main Building, CEC Bilaspur(CG)
<b>Organized by</b>	<b>Department of Mechanical Engineering</b>
<b>Resource Person</b>	<b>Dr. Ganesh Shukla, Assistant Professor, GGU Bilaspur (CG)</b>
<b>Participated by</b>	77
<b>Program Objective</b>	<ul style="list-style-type: none"> <li>• The objective of the workshop on "Material Testing using UTM" is to provide participants with practical knowledge and hands-on experience in conducting mechanical tests on materials using Universal Testing Machines (UTMs).</li> <li>• The program aims to familiarize participants with testing standards, techniques, and data analysis methods, enabling them to perform and interpret material tests accurately and effectively.</li> </ul>
<b>Program Outcome</b>	<p>By the end of this workshop, participants will be able to:</p> <p><b>Understand Principles of Material Testing:</b>          Explain the principles of mechanical testing and the role of Universal Testing Machines (UTMs) in evaluating material properties.          Identify different types of mechanical tests (tensile, compression, flexural, etc.) and their applications.</p> <p><b>Operate Universal Testing Machines (UTMs):</b>          Familiarize themselves with the operation and calibration procedures of UTMs.          Set up and configure UTMs for performing various mechanical tests on materials.</p> <p><b>Perform Mechanical Tests:</b>          Conduct standard mechanical tests using UTMs, including tensile strength, yield strength, elongation, hardness, and compression tests.          Follow testing protocols and standards (ASTM, ISO) to ensure accuracy and consistency in test results.</p>



Attendees during Workshop on “Material Testing using UTM” from 04/08/2022 to 08/08/2022


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Session 2022-23  
 Report

<b>Title</b>	<b>A workshop on Optimization &amp; Quality Control</b>
<b>Name of the Activity</b>	<b>Add on Course</b>
<b>Date</b>	<b>15/04/2023 to 20/04/2023</b>
<b>venue</b>	<b>Upper Auditorium, Main Building, CEC Bilaspur(CG)</b>
<b>Organized by</b>	<b>Department of Mechanical Engineering</b>
<b>Resource Person</b>	<b>Dr. Abhijit bhattacharya ,Associate Professor NIT Nagpur</b>
<b>Participated by</b>	<b>75</b>
<b>Program Objective</b>	<ul style="list-style-type: none"> <li>• The objective of the workshop on "Optimization &amp; Quality Control" is to provide participants with comprehensive knowledge and practical skills in the areas of optimization techniques and quality control methodologies.</li> <li>• The program aims to equip participants with the tools and strategies necessary to optimize processes, enhance product quality, and improve overall operational efficiency within organizations.</li> </ul>
<b>Program Outcome</b>	<p>By the end of this workshop, participants will be able to:</p> <p><b>Understand Optimization Principles:</b>              Define optimization concepts and methodologies applicable to business processes, manufacturing, and service industries.              Identify opportunities for optimization in various organizational functions and processes.</p> <p><b>Apply Optimization Techniques:</b>              Apply mathematical modeling and optimization algorithms (linear programming, nonlinear programming, heuristic methods, etc.) to solve complex optimization problems.              Optimize resource allocation, production scheduling, inventory management, and logistics operations.</p> <p><b>Implement Quality Control Strategies:</b>              Implement quality control techniques (statistical process control, Six Sigma, Total Quality Management) to monitor and improve product and service quality.              Develop and implement quality assurance protocols to meet customer requirements and regulatory standards.</p>
 <p>Students attending Add on Course on " A workshop on Optimization &amp; Quality Control"              from 15/04/2023 to 20/04/2023</p>	

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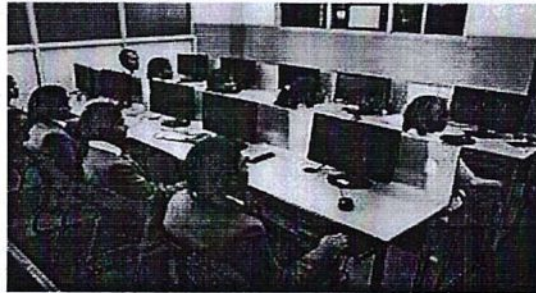
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**Session 2022-2023**

**REPORT**

<b>Title</b>	Add on courses for Hardware & Networking
<b>Name of the activity</b>	Add on course
<b>Date</b>	08/05/2023 to 13/05/2023
<b>Venue</b>	MAIN LAB, Chouksey Engineering College
<b>Organized by</b>	Department of Artificial Intelligence and Data Science & Department of Artificial Intelligence and Machine Learning
<b>Resource person</b>	Vinod Kharsan, CEC Bilaspur
<b>Participated by</b>	22 students
<b>Program Objective</b>	To train the officials to acquire basic knowledge in computer hardware and peripherals for installation, PC assembly, trouble shooting and maintenance including system management and its backup and to undertake disaster prevention, a basic knowledge of TCP/IP networks work group, internet and intranet.
<b>Program outcome</b>	The student will able to know the Basic of Computer assembling and trouble shooting. This course will provide the brief knowledge of Computer networking and trouble shooting.



Students during Add on courses on Add on courses for Hardware & Networking from 08/05/2023 to 13/05/2023

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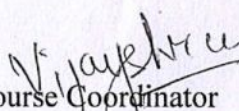
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**Session 2022-23**  
**REPORT**

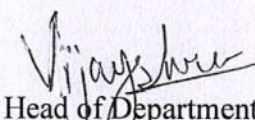
<b>Title</b>	Enrichment courses on Public speaking and presentation skills
<b>Name of the activity</b>	Enrichment course
<b>Date</b>	28/11/2022 to 8/12/2022
<b>Venue</b>	G-08, Main Building, Chouksey Engineering College
<b>Organized by</b>	Department of Humanities (English)
<b>Resource person</b>	Ms. Vijayshree Agarwal, Assistant Professor, Chouksey Engineering College
<b>Participated by</b>	108 students
<b>Program Objective</b>	1) Equip participants with the skills to deliver clear, concise, and engaging presentations. 2) Build confidence and overcome public speaking anxieties. 3) Develop effective communication strategies for various audiences and contexts. 4) Foster critical thinking skills for crafting impactful and informative presentations.
<b>Program outcome</b>	1) Participants will demonstrate proficiency in delivering clear and impactful speeches. 2) Students will effectively use visual aids to complement their presentations. 3) Learners will exhibit increased confidence in public speaking scenarios. 4) Students will handle audience interactions with poise and professionalism.



Students during Enrichment courses on public speaking & presentation skill from 28/11/2022 to 8/12/2022

  
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## Session 2022-23

### REPORT

<b>Title</b>	Add on course on Green energy systems
<b>Name of the activity</b>	Add on course
<b>Date</b>	5/9/2022 to 15/9/2022
<b>Venue</b>	MT-10,EMEC Building, Chouksey Engineering College
<b>Organized by</b>	Department of Electronics & Telecommunication Engineering
<b>Resource person</b>	Prof A N Sarvamangala Assistant Professor, Chouksey Engineering College
<b>Participated by</b>	31 students
<b>Program Objective</b>	1) To understand the need & advantage of renewable energy 2) To study the performance, efficiency & relevancy of future energy needs.
<b>Program outcome</b>	1) Gain knowledge on various classification of energy sources & their environmental issues 2) acquire the knowledge of green energy sources 3) Acquire the knowledge of solar energy & wind energy.



Students during Add on courses on Green energy systems from 5/9/2022 to 15/9/2022



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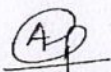
**Session 2022-23**

**REPORT**

<b>Title</b>	Add on course on Digital image processing
<b>Name of the activity</b>	Add on course
<b>Date</b>	6/2/2023 to 16/2/2023
<b>Venue</b>	MT-04,EMEC Building, Chouksey Engineering College
<b>Organized by</b>	Department of Electronics & Telecommunication Engineering
<b>Resource person</b>	Prof Amit Kumar Pandey Assistant Professor, Chouksey Engineering College
<b>Participated by</b>	31 students
<b>Program Objective</b>	1) To understand learn basic of image processing 2) To study various image transformation, enhancement & restoration techniques.
<b>Program outcome</b>	1)Gain knowledge on basic of digital image 2)acquire the knowledge of image transform method 3) acquire the knowledge of image enhancement & restoration technique.

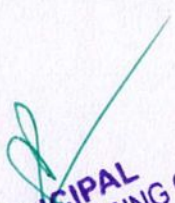


Students during Add on course on Digital image processing from 6/2/2023 to 16/2/2023



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**Session 2022-23**  
**REPORT**

<b>Title</b>	“Walk Lake and Talk lake-II”
<b>Name of the activity</b>	Five day Water Management workshop on “Walk Lake and Talk lake-II” organized by Department of Civil Engineering.
<b>Date</b>	22/05/2023 -26/05/2023
<b>Venue</b>	MS-10,EMEC Building, Chouksey Engineering College
<b>Organized by</b>	Department of Civil Engineering
<b>Resource person</b>	Mansee Bal Bhargava
<b>Participated by</b>	89 Students.
<b>Program Objective</b>	For a water management workshop organized by the Department of Civil Engineering, the objectives of "Walk Lake and Talk Lake" could focus on both theoretical understanding and practical application. Here's a tailored outline: <ol style="list-style-type: none"> <li>1. Introduction to Water Management:</li> <li>2. Guided Tour Around the Lake:</li> <li>3. Discussion on Water Issues: Case</li> <li>4. Studies and Best Practices:</li> <li>5. Interactive Workshops and Demonstrations:</li> <li>6. Stakeholder Engagement and Networking:</li> <li>7. Policy and Planning Discussions:</li> <li>8. Wrap-up and Action Planning:</li> </ol>
<b>Program outcome</b>	<ol style="list-style-type: none"> <li>1. Enhanced Knowledge Base:</li> <li>2. Improved Awareness:</li> <li>3. Skill Development:</li> <li>4. Applied Learning:</li> <li>5. Interdisciplinary Collaboration:</li> <li>6. Community Engagement:</li> <li>7. Policy Advocacy:</li> <li>8. Sustainable Solutions</li> <li>9. Capacity Building:</li> <li>10. Long-term Impact:</li> </ol>



Add on course on “Walk Lake and Talk lake-II” from 22/05/2023 -26/05/2023

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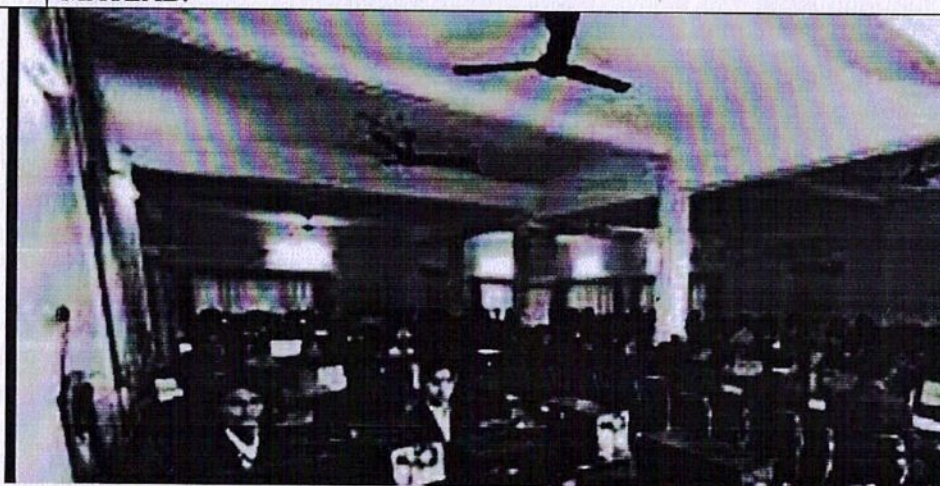
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**Session 2022-23**

**REPORT**

<b>Title</b>	<b>Advanced learning of MATLAB</b>
<b>Name of the activity</b>	Value Added course
<b>Date</b>	9/11/2022 to 19/11/2022
<b>Venue</b>	CAD/CAM lab, EMEC building, Chouksey Engineering College
<b>Organized by</b>	Department of Electrical & Electronics Engineering
<b>Resource person</b>	Prof Mohini Moitra Bhaduri, Assistant Professor, Chouksey Engineering College
<b>Participated by</b>	41 students
<b>Program Objective</b>	To enhance proficiency in MATLAB through comprehensive exploration of advanced features, enabling participants to confidently apply advanced numerical computing, data analysis, and visualization techniques in scientific and engineering applications.
<b>Program outcome</b>	Participants will gain advanced proficiency in MATLAB, mastering complex numerical computations, data analysis techniques, and advanced plotting capabilities. They will be equipped to tackle sophisticated engineering and scientific challenges efficiently using MATLAB.



Students attending add on program "Advanced learning of MATLAB" from 9/11/2022 to 19/11/2022

*Mohini Moitra*  
Course Coordinator

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## Session 2022-2023

### REPORT

<b>Title</b>	Project Management with BIM Technology
<b>Name of the activity</b>	Short-term course on Project Management with BIM Technology
<b>Date</b>	20/11/2022 to 25/11/2022
<b>Venue</b>	CAD Lab, EMEC, Chouksey Engineering College
<b>Organized by</b>	Department of Civil Engineering
<b>Resource person</b>	Mr. Baskar Dadsena, AGM, Hindustan Steel Works, Bombay
<b>Participated by</b>	80 students
<b>Program Objective</b>	Integrating BIM into project management aims to enhance collaboration, optimize planning, control costs, improve safety, and ensure sustainability throughout the construction lifecycle.
<b>Program outcome</b>	The program outcomes of integrating BIM into project management include improved collaboration among stakeholders, enhanced project planning and scheduling accuracy, better cost control, increased safety measures, and improved sustainability practices across construction projects.



Project Management with BIM Technology from 20/11/2022 to 25/11/2022

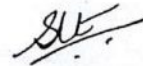


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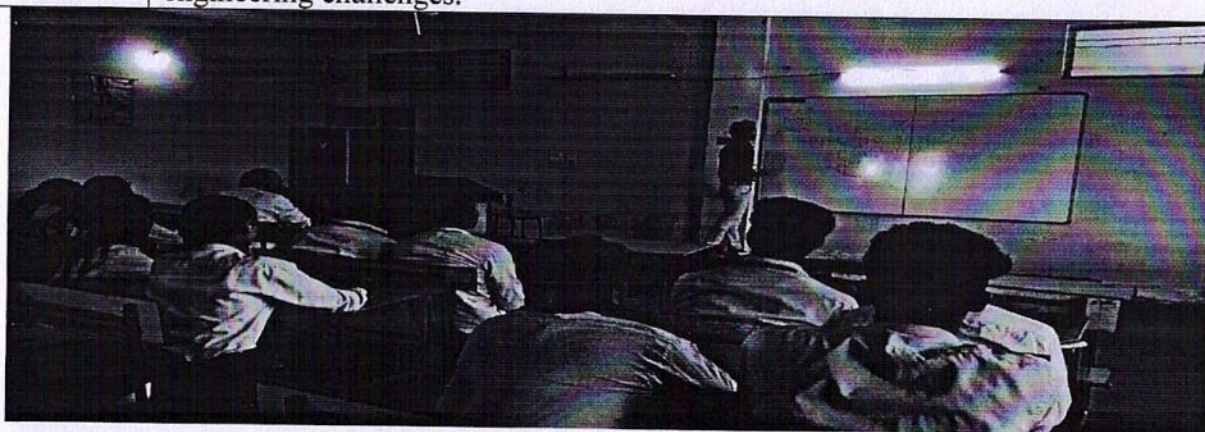


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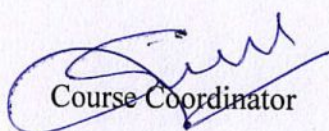
**Session 2022-23**

**REPORT**


<b>Title</b>	<b>Student Development Program on PCB Design</b>
<b>Name of the activity</b>	Value Added course
<b>Date</b>	9/03/2023 to 19/03/2023
<b>Venue</b>	MS-10,EMEC Building, Chouksey Engineering College
<b>Organized by</b>	Department of Electrical & Electronics Engineering
<b>Resource person</b>	Prof Vikas Chandra, Assistant Professor, Chouksey Engineering College
<b>Participated by</b>	43 students
<b>Program Objective</b>	To provide students with comprehensive knowledge and practical skills in PCB design, covering fundamentals such as schematic capture, layout design, routing strategies, and design validation. The program aims to equip participants with the necessary expertise to create functional and reliable printed circuit board designs for electronic devices.
<b>Program outcome</b>	Participants will gain proficiency in PCB design, mastering key concepts such as schematic capture, component placement, routing techniques, and design validation. They will be equipped to effectively design and develop printed circuit boards for various electronic applications, enhancing their skills and readiness for practical engineering challenges.

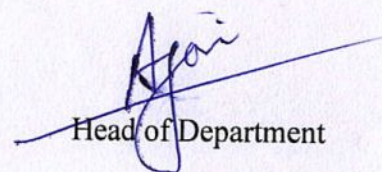


Students during "Student Development Program on PCB Design" from 9/03/2023 to 19/03/2023

  
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