



Department of Civil Engineering

(Session 2024-25)

List of Co-curricular Activities Conducted in the ODD Semester:

| Sr. No. | EVENT/ ACTIVITY/ MEETING | DATE | TOTAL NO. OF PARTICI PANTS | BRIEF DETAILS WITH NAME OF RESOURCE PERSONS | NAME OF INCHARGE/ COORDINA TOR/MEMB ERS | OUTCOME/ EXPECTED OUTCOME |
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| 1. | Certificate Course on Revit - PHASE-I | 6-7-2024 to 26-7-2024 | 5 th sem students - 44 | Resource Person: Mr. Vicky Chavhan, Director of Pyramid Designer, AutoCAD Institute, Nagpur. Objectives: 1.Master Revit software tools and features 2.Develop skills in creating detailed building designs and models 3.Enhance career prospects in the architecture, engineering, and construction industries 4.Improve productivity and efficiency in design and documentation. | Prof. P. S. Bhandari & Prof. K. V. Thakare | This course aims to bridge the gap between academia and industry, providing students with hands-on experience and practical skills in Revit software. |
| 2. | Guest lecture on "Higher studies (MTech, MBA, GRE)" | 19-07-2024 | 65 Students | Resource Person: Lalit Gunani (HR Mentor) Objectives: 1) Students should be aware of all the opportunities available to them after completing their Engineering 2) Expert speaker can offer diverse viewpoints and experiences that enrich students understanding of academic and career possibilities. | Prof. P. Bhandari & Prof. B. R. Gautam | <p>1. Students gained a clear understanding of higher study options such as M. Tech, MBA, and overseas education through GRE and also developed awareness about career advancement, research opportunities, and global exposure offered by higher education programs.</p> <p>2. Students became aware of various entrance examinations, preparation strategies, and admission requirements.</p> |

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| 3. | Guest lecture on “Effective strategies and tips for Achieving Success and Depending knowledge with SWAYAM – NPTEL Courses” | 26-07-2024 | 101 Students | <p>Resource Person: Dr. Rajesh Bhagat (Assistant Professor, YCCE)</p> <p>Objectives:</p> <ol style="list-style-type: none"> 1. To learn about SWAYAM –NPTEL courses. 2. To enable students to obtain certificates for NPTEL courses and make them employable in the industry or pursue a suitable higher education programme. | Prof. P. Bhandari & Prof. B. R. Gautam | Students gained awareness of SWAYAM–NPTEL platforms, understood effective learning and exam strategies, and were motivated to enrol in relevant courses to enhance their knowledge, skills, and employability. |
| 4. | Certificate Course on Revit - PHASE-II | 3-8-2024 to 25-8-2024 | 7 th sem students - 35 | <p>Resource Person: Mr. Vicky Chavhan, Director of Pyramid Designer, AutoCAD Institute, Nagpur.</p> <p>Objectives:</p> <ol style="list-style-type: none"> 1. Equip students with Revit software skills for Building Information Modeling (BIM) 2. Enhance career prospects in architecture, engineering, and construction industries 3. Provide hands-on experience in creating detailed building designs and models 4. Improve productivity and efficiency in design and documentation. | Prof. P. S. Bhandari & Prof. K. V. Thakare | 1. Create detailed building designs and models using Revit software 2. Apply Building Information Modeling (BIM) principles in architectural, structural, and MEP design 3. Develop and manage building projects using Revit 4. Improve productivity and efficiency in design and documentation 5. Enhance their career prospects in the architecture, engineering, and construction industries |
| 5. | Guest Lecture on “Essential Awareness and Strategies for the GATE Exam Success” | 13/08/2024 | 72 Students | <p>Resource Person: Dr. Rajesh M. Bhagat, Assistant Professor, YCCE, Nagpur</p> <p>Objectives:</p> <ol style="list-style-type: none"> 1) Awareness Building: - To inform students about the structure, syllabus, and the importance of the GATE exam 2) Resource Guidance: To guide students on the best resources, including books, online courses, and mock tests, that can aid in their preparation. | Prof. V. R. Agrawal Prof. P. Bhandari & Prof. B. R. Gautam | Students understood the GATE exam requirements, learned effective preparation methods, and were motivated to plan and prepare systematically for the GATE examination. |
| 6. | Guest Lecture on “Role of Civil | 30/08/2024 | 200 Students | <p>Resource Person: Er. M. A. Kawalkar, President Elect, Indian</p> | Prof. P. Bhandari Prof. B. R. | Students gained insight into the practical responsibilities of civil engineers in |

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| | Engineers in Construction Projects” | | | Concrete Institute Objectives: To have a knowledge about construction of infrastructure like buildings, roads, bridges, dams, and water systems, focusing on safety, efficiency, and sustainability to improve society's quality of life. | Gautam & Prof. Alaka Das | construction projects, understood the importance of project management, safety, and teamwork, and developed awareness of professional skills required for successful project execution. |
| 7. | Certificate Course on Auto-CAD | 07-09-2024 to 29-09-2024 | 3 rd sem students - 62 | Resource Person: Mr. Vicky Chavhan, Director of Pyramid Designer, AutoCAD Institute, Nagpur. Objectives: 1.Master AutoCAD tools and features 2.Develop skills in creating 2D and 3D designs and drawings 3. Enhance productivity and efficiency in design and documentation 4.Improve career prospects in industries such as architecture, engineering, and construction. | Prof. P. S. Bhandari & Prof. K. V. Thakare | 1. Create precise 2D and 3D designs and drawings using AutoCAD 2. Apply AutoCAD tools and features to various industries such as architecture, engineering, and construction 3. Develop and manage complex designs and projects 4. Improve productivity and efficiency in design and documentation 5. Enhance their career prospects in industries that utilize AutoCAD |
| 8. | Guest Lecture on “Introduction to various software used in Civil Engineering” | 09/09/2024 | 115 Students | Resource Person: Mr. Rushikesh Mugutkar (Jr. Structural design Engineer, CESA, Pune) Objectives: To learn the advanced civil engineering computational & designing tools. | Prof. P. Bhandari & Prof. B. R. Gautam | Students gained awareness of key civil engineering software, understood their practical applications in real-time project management and recognized the importance of software proficiency for enhancing technical competence and employability. |
| 9. | One day site visit at Water Treatment Plant Gorewada Nagpur | 13/09/2024 | 3 rd sem students - 92 | Resource Person: Dr. Dilip Thakre, Plant Head, NMC Nagpur Objectives: Students should get the knowledge about the actual working of Water treatment plant like the characteristics of water, drinking water standards and necessity of different treatment units of conventional water treatment plant and necessity of treatment processes. | Dr. R. M Dhole, Dr. R. H. Pazare, Ms. V. P. Kesalkar & Ms. Kirti Thakare | Industrial visit bridges the widening gap between theoretical learning and practical exposure. Through the visit, students got detailed knowledge about the characteristics of water, drinking water standards and necessity of treatment, various units of conventional water treatment plant. |

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| 10. | Guest Lecture on “Introduction to BIM” | 17/09/2024 | 122 Students | <p>Resource Person: Er. Yash Meshram (C-founder and Director at ASBIM Consulting PVT LTD)</p> <p>Objectives:</p> <ol style="list-style-type: none"> 1. To enhance the skills of students for effective project performance and aware the students about BIM software. 2. To provide the information about BIM that how it helps the construction manager to gather data and information from the relevant disciplines and communicate them more effectively. | Prof. P. Bhandari & Prof. B. R. Gautam | Students gained fundamental understanding of BIM principles and design tools, recognized its advantages over traditional methods, and developed awareness of BIM's importance in modern construction practices, project management and career opportunities in BIM. |
| 11. | Guest Lecture on “Polymerization of Construction materials” | 25/09/2024 | 5 th sem students - 48 | <p>Resource Person: Dr. Seema Shrivastava (HOD, Chemistry Deptt.)</p> <p>Objectives: To learn process and materials formed by polymerization and optimization.</p> | Dr. M. Chandak Dr. P. I. Rde Prof. P. Bhandari Prof. B. R. Gautam | Students gained understanding of polymerization processes in construction materials and learned modern polymer-based construction products, their design process and optimization and recognized their advantages and applications in improving structural performance and durability. |
| 12. | Guest Lecture on “Skills Required and Opportunities in Civil Engineering” | 25/09/2024 | 7 th sem students - 63 | <p>Resource Person: Aman sheikh (Site Engineer)</p> <p>Objectives:</p> <ol style="list-style-type: none"> 1. To provide students with perspectives of construction site. 2. To make students familiar with key parameters of construction site i.e Safety first, measurements, effective communication, presence of mind, imagination, and calculations. | Prof. P. Bhandari & Prof. B. R. Gautam | Students learned the essential design and management skills required to complete the Civil Engineering projects and emerging opportunities in civil engineering area, understood industry expectations, and were motivated to develop relevant competencies for improved employability and career growth. |
| 13. | One day site visit at CSIR-NEERI, Nehru Marg, Nagpur | 10/10/2024 | 7 th Semester- 75 Students | Students should get the knowledge about the different treatment units, air resource facility, green building, solid & hazardous waste facility and up-flow compact constructed wetland | Dr. R.M Dhole, Prof. V. P. Kesalkar, Prof. B R Gautam, Prof. Alaka Das. | 1. Industrial visit bridges the widening gap between theoretical learning and practical exposure. Through the visit, students got detailed knowledge about the different treatment units, air resource facility, green |

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| | | | | units at NEERI. | | building, solid & hazardous waste facility and up-flow compact constructed wetland units at NEERI. 2. They learned event management. |
| 14. | One day site visit at Waste Water Treatment Plant Bhandewadi, Nagpur | 11/10/2024 | 3rd sem students - 104 | <p>Resource Person: Mr. Pramod Malshiraskar, Plant Manager</p> <p>Objectives: To provide the knowledge about the working process of conventional sewage treatment plant and its operations and how the sewage water can be reused, recycle and reduce.</p> | Dr. R. M. Dhoble, Ms. V. P. Kesalkar, Ms. B. R. Gautam Dr. M. A. Chandak | <p>1. Students got detailed knowledge about the working process of conventional sewage treatment plant along with its advancement in operations.</p> <p>2. Industrial visit bridges the widening gap between theoretical learning and practical exposure. Through the visit, students got awareness about new advancements in the conventional treatment of sewage and in which sectors sewage can be reused, recycle and how to reduce.</p> |



Dr. R. M. Dhoble
H.O.D, Civil Engg.

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Priyadarshini College of Engineering
Nagpur