## Lesson Plan & Work-done Diary for AY:2024-25_Even Semester

| Course with Code: Computer Aided Electrical Drawing-21EE741 | | | | Faculty: Maria Sushma S | | | Semester & Section: VII | |
|---|---|---|---|---|---|---|---|---|
| | **Date planned (DD/MM)** | **Class No.** **Topics to be covered** | **TLP Planned** | **Class No.** | **Date of Conduction (DD/MM)** | **Topics Covered** | **TLP Executed** | **Remarks if any deviation** |
| **MODULE-1** | | | | | | | | |
| 1. | | General Introduction to the course Winding Diagrams: Introduction | ICT | | | | | |
| 2. | | Developed winding diagrams of D.C. machines – Simplex | ICT | | | | | |
| 3. | | Developed winding diagrams of D.C. machines – Simplex -single layer | ICT | | | | | |
| 4. | | Developed winding diagrams of D.C. machines multiplex double layer Lap | ICT | | | | | |
| 5. | | Developed winding diagrams of D.C. machines – multiplex-single layer | ICT | | | | | |
| 6. | | Developed winding diagrams of wave type | ICT | | | | | |
| 7. | | Developed winding diagrams of wave type | ICT | | | | | |
| 8. | | Developed winding diagrams of wave type | ICT | | | | | |

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| **MODULE-3** | | | | | | | | |
| 9. | | Electrical machine assembly drawing using designs data or sketches or both. Transformers - sectional views of transformers- Introduction | | | | | | |
| 10. | | Transformers - sectional views of single phase transformers- 2 stepped core | | | | | | |
| 11. | | Transformers - sectional views of single phase transformers- 2 stepped core | | | | | | |
| 12. | | Transformers - sectional views of 3 phase core type transformers | | | | | | |
| 13. | | Transformers - sectional views of 3 phase core type transformers | | | | | | |
| 14. | | Transformers - sectional views of shell type transformers | | | | | | |
| 15. | | Transformers - sectional views of shell type transformers | | | | | | |
| 16. | | Transformers - sectional views of shell type transformers | | | | | | |

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| **MODULE-2** | | | | | | | | |
| 17. | | Single line diagrams: Single line diagrams of generating stations and substations- Introduction | | | | | | |
| 18. | | Single line diagrams: Single line diagrams of generating stations and substations-Problem-1 | | | | | | |
| 19. | | Single line diagrams: Single line diagrams of generating stations and substations-Problem-2 | | | | | | |
| 20. | | Single line diagrams: Single line diagrams of generating stations and substations-Problem-3 | | | | | | |
| 21. | | Single line diagrams: Single line diagrams of generating stations and substations-Problem-4 | | | | | | |
| 22. | | Single line diagrams: Single line diagrams of generating stations and substations-Problem-5 | | | | | | |

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| **MODULE-4** | | | | | | | | |
| 23. | | Sectional views of yoke, field system, armature | | | | | | |
| 24. | | Sectional views of yoke, field system, armature | | | | | | |
| 25. | | Sketching of DC machine assembly | | | | | | |
| 26. | | Sectional views of yoke, field system, armature | | | | | | |
| 27. | | Sectional views of yoke, field system, armature | | | | | | |
| 28. | | Sectional views of commutator | | | | | | |
| 29. | | Sketching of DC machine assembly- commutator | | | | | | |
| 30. | | Sketching of DC machine assembly- commutator | | | | | | |

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| **MODULE-5** | | | | | | | | |
| 31. | | Electrical machine assembly drawing using designs data or sketches or both Alternator – sectional views of stator | | | | | | |
| 32. | | Electrical machine assembly drawing using designs data or sketches or both Alternator – sectional views of stator | | | | | | |
| 33. | | Electrical machine assembly drawing using designs data or sketches or both Alternator – sectional views of rotor | | | | | | |
| 34. | | Electrical machine assembly drawing using designs data or sketches or both Alternator – sectional views of rotor | | | | | | |
| 35. | | Electrical machine assembly drawing using designs data or sketches or both Alternator – sectional views of rotor | | | | | | |
| 36. | | Electrical machine assembly drawing using designs data or sketches or both Alternator – sectional views of rotor | | | | | | |

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| **MODULE-1** | | | | | | | | |
| 37. | | Developed winding diagrams of AC machines | | | | | | |
| 38. | | Developed winding diagrams of AC machines | | | | | | |
| 39. | | Developed winding diagrams of AC machines | | | | | | |
| 40. | | Developed winding diagrams of AC machines | | | | | | |

| | Activity | Planned | Actual | Remarks |
|---|---|---|---|---|
| **1** | Theory Classes with hands-on | 40 | | |
| **2** | Assignments/ Quizzes/ Self-study | 3 | | |
| **3** | Tutorials/ Extra classes | - | | |
| **4** | Internal Assessments | 3 | | |
| **5** | ICT based Teaching (% of usage in Curriculum) | 60% | | |
| **Planning** | | | **Execution** | |
| **Faculty Signature:** | | | **Faculty Signature:** | |
| **HoD Signature:** | | | **HoD Signature:** | |