

Basics of EEG, ECG, and EMG and Hands-on Training.	Syllabus with lesson plan.
	<p>Week 1: Introduction to EEG Session 1: Overview of EEG: History, Principles, and Applications Session 2: EEG Equipment and Electrode Placement Session 3: Understanding Brain Waves and Signal Interpretation Session 4: Hands-on Practice: Setting up EEG equipment and Data Collection Session 5: Theory Discussion & Revision Session 6: Practical Discussion</p> <p>Week 2: Electrocardiography (ECG) Session 7: Fundamentals of ECG: Anatomy of the Heart and Electrical Conduction Session 8: ECG Leads and Recording Techniques Session 9: Interpreting ECG Waveforms and Common Abnormalities Session 10: Practical Session: ECG Setup and Recording Session 11: Practical Discussion & Application Uses of Instruments Session 12: Revision of Theory & Discussion</p> <p>Week 3: Electromyography (EMG) Session 13: Introduction to EMG: Muscle Physiology and Nerve Conduction Session 14: EMG Equipment and Electrode Placement Session 15: Analyzing EMG Signals and Interpretation Session 16: Hands-on Session: Conducting EMG Tests and Data Collection Session 17: Class Test-01 Session 18: Practical Discussion</p> <p>Week 4: Advanced Topics and Practical Applications Session 19: Artifact Recognition and Troubleshooting in EEG, ECG, and EMG Session 20: Clinical Applications and Case Studies Session 21: Ethical Considerations in EEG, ECG, and EMG Research Session 22: Capstone Project: Design and Execution of Basic EEG, ECG, or EMG Experiment Session 23: Class Test-02 Session 24: Practical Discussion Session 25: Project Report Writing</p> <p>Week 5: Review and Assessment Session 26: Review of Key Concepts and Techniques Session 27: Practical Assessment: Data Interpretation and Equipment Handling Session 28: Q&A Session and Final Project Presentation Preparation</p> <p>Session 29: Final Project Presentations and Course Conclusion Session 30: Final Practical Labs or Hands-on Training-1</p> <p>After Completed Syllabus- Final Exam & Report</p>