



MAR BASELIOS CHRISTIAN
COLLEGE OF ENGINEERING & TECHNOLOGY
KUTTIKKANAM, PEERMADE

Workshop on "Mastering PCB Design and Production using Proteus Software"

PROGRAM DETAILS:

Date: 19th February 2024

Venue: Systems Lab, Department of Electronics and Communication Engineering, MBC CET, PEERMADE

Speaker: Arjun Das P, lecturer in the ECE Department, Model Polytechnic College, Painav.

The Department of Electronics and Communication Engineering at MBC CET, PEERMADE, organized a workshop titled "Mastering PCB Design and Production using Proteus Software" on 19th February 2024. The workshop aimed to equip third-year EC students with practical skills in designing and producing Printed Circuit Boards (PCBs) using Proteus Software. The session was facilitated by Mr. Arjun Das P, an esteemed alumnus of the ECE Department and currently a lecturer at Model Polytechnic College, Painav.

Mr. Arjun Das P initiated the workshop with an insightful introduction to PCB design, emphasizing its significance in modern electronics. He elucidated the fundamental concepts, components, and design considerations involved in PCB layout. The session delved into an in-depth exploration of Proteus Software, a widely-used tool for PCB design and simulation. Participants were given a comprehensive overview of the software's features, interface, and functionality.

The workshop included hands-on sessions wherein participants were guided through the practical aspects of PCB design using Proteus Software. The facilitator provided step-by-step demonstrations, allowing students to gain proficiency in designing PCB layouts, placing components, routing traces, and conducting simulations. Valuable insights into troubleshooting common issues encountered during PCB design and simulation were shared, equipping participants with strategies and techniques to identify and rectify errors, ensuring the integrity and functionality of their designs.

The workshop concluded with an interactive Q&A session, allowing participants to seek clarification on concepts, receive guidance on specific design challenges, and engage in insightful discussions with the facilitator.

Overall, the workshop on "Mastering PCB Design and Production using Proteus Software" proved to be a valuable learning experience for third-year EC students at MBCCET, PEERMADE. Through hands-on sessions, practical demonstrations, and interactive discussions, participants acquired essential skills and knowledge crucial for proficient PCB design. The Department extends its gratitude to Mr. Arjun Das P for his expertise and guidance in facilitating the workshop, which greatly enriched the students' learning experience.







