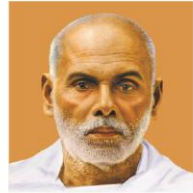
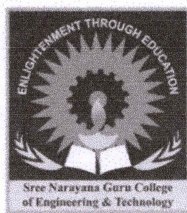


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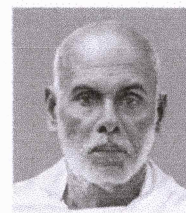
GEO TAGGED PHOTOS OF LABORATORIES OF ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENT



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GEOTAGGED PHOTOS OF ELECTRICAL & ELECTRONICS ENGINEERING LABORATORIES

1. MICROPROCESSOR AND MICRO CONTROLLER & POWER SYSTEMS LAB

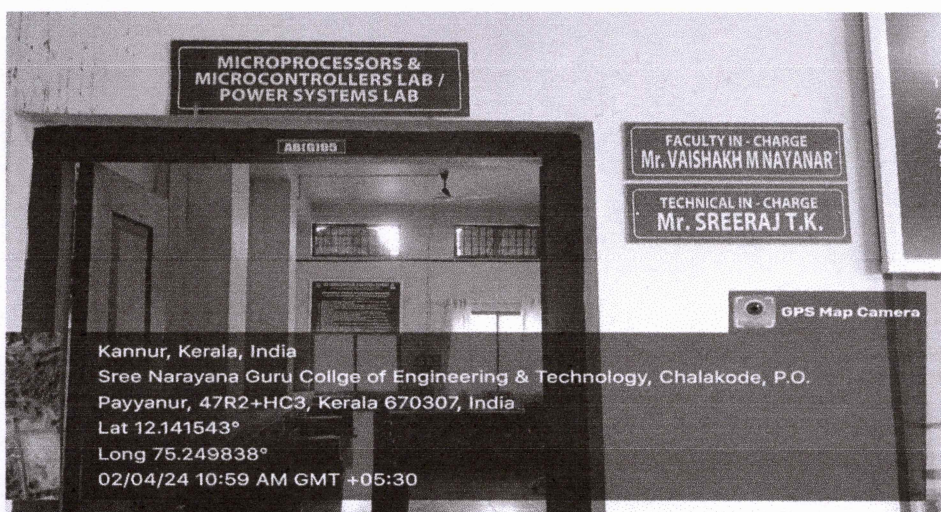


Fig 1. Entrance of MPMC Lab & Power Systems Lab

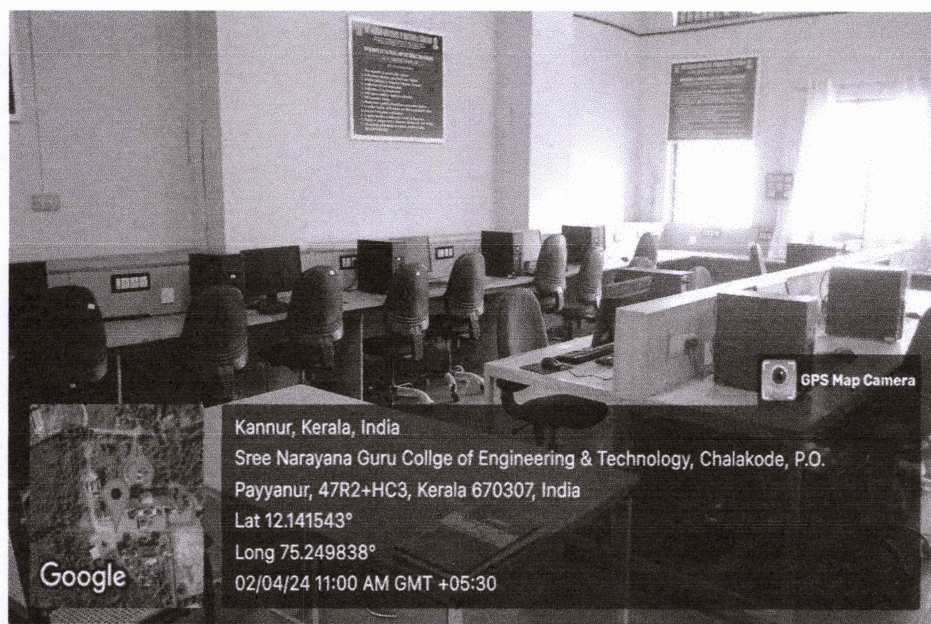


Fig 2. MPMC Lab & Power Systems Lab

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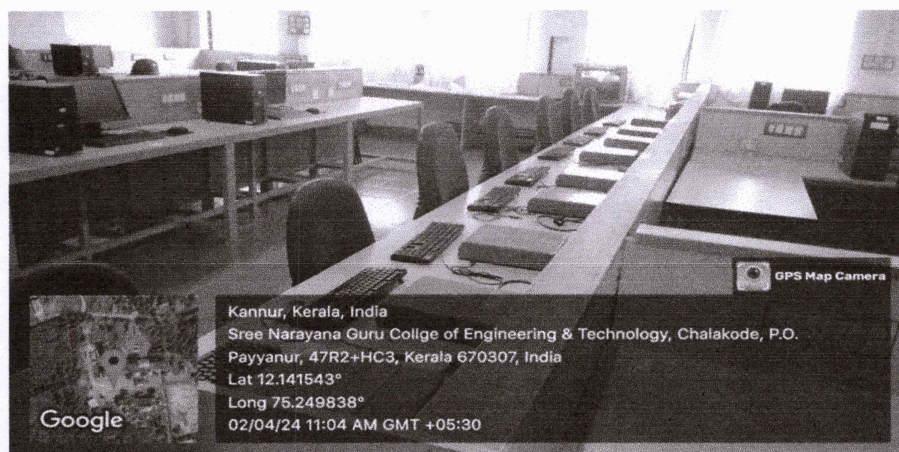


Fig 2. MPMC Lab

Power systems Lab integrates both virtual simulations and hardware experiments to provide a comprehensive learning experience. Participants utilize simulation software to analyze power systems behavior and optimize performance virtually. Additionally, they engage in hands-on hardware experiments, such as Relay testing , power factor correction , earth tester etc.. This combined approach enhances understanding and practical skills, preparing individuals for careers in power engineering, renewable energy, and grid management.

The Microprocessor and Microcontroller Lab provides a dynamic learning environment where participants engage in hands-on activities to design, program, and interface microprocessors and microcontrollers. Through these experiences, they develop proficiency in coding, hardware interfacing, and troubleshooting, essential for careers in embedded systems, robotics, and electronics.

2. POWER ELECTRONICS LAB

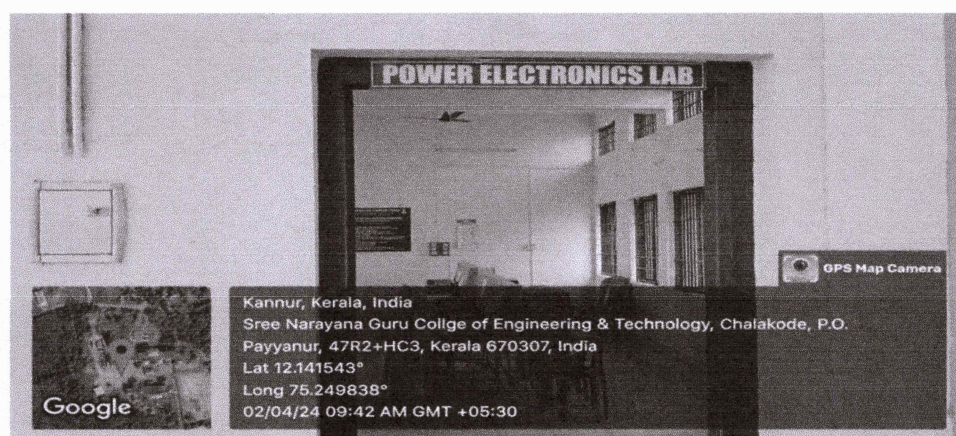


Fig 3 Entrance of Power Electronics Lab

Power Electronics lab introduces the student to measurement and simulation of important operating characteristics of power electronic circuits and power semiconductor devices This lab is also impart practical knowledge for the design and setup of different power electronic converters and its application for motor control.

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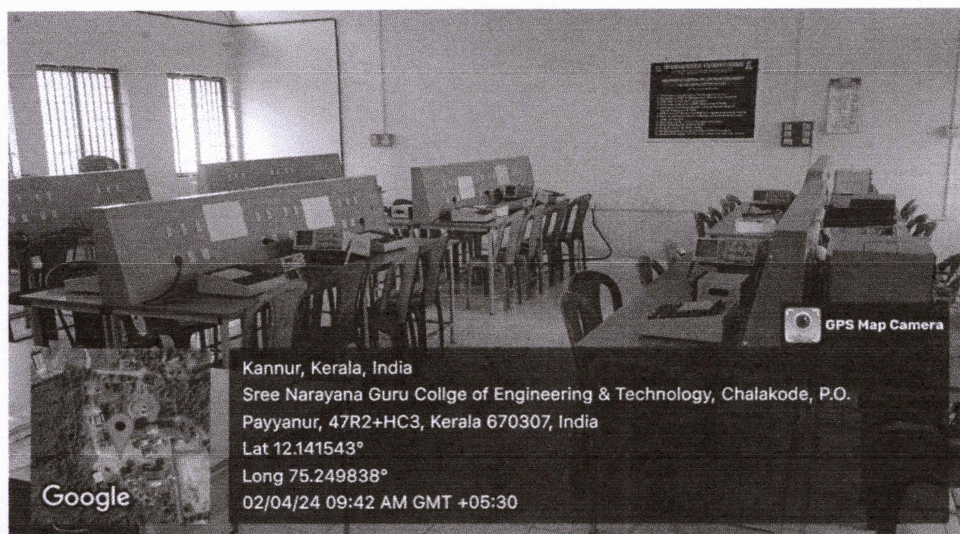


Fig 4 Power Electronics Lab

Power Electronics lab introduces the student to measurement and simulation of important operating characteristics of power electronic circuits and power semiconductor devices. This lab is also impart practical knowledge for the design and setup of different power electronic converters and its application for motor control.

3. ELECTRICAL WORKSHOP

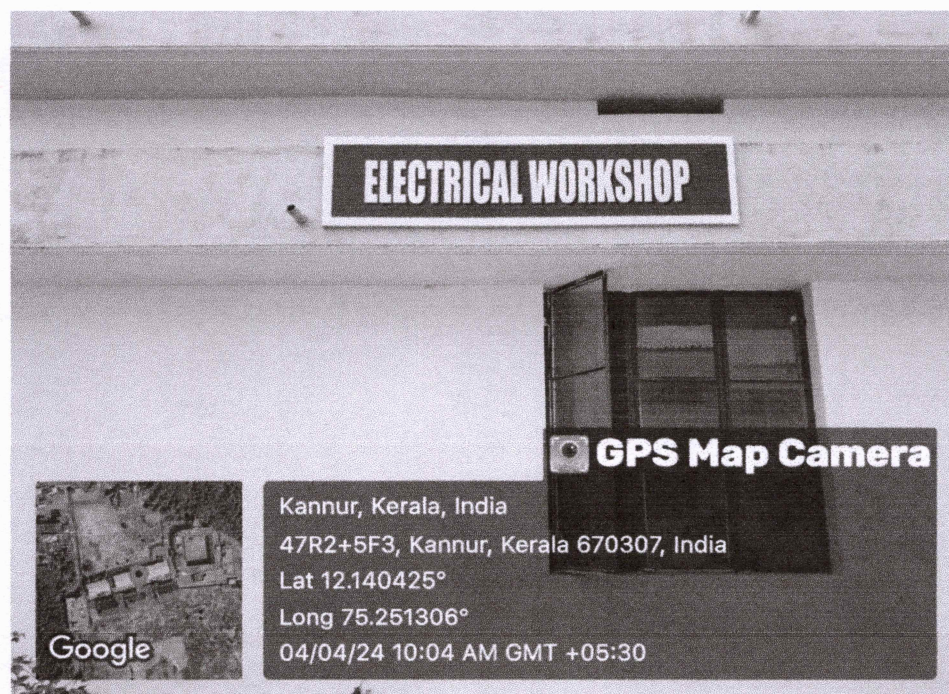


Fig.5 Entrance of Electrical Workshop

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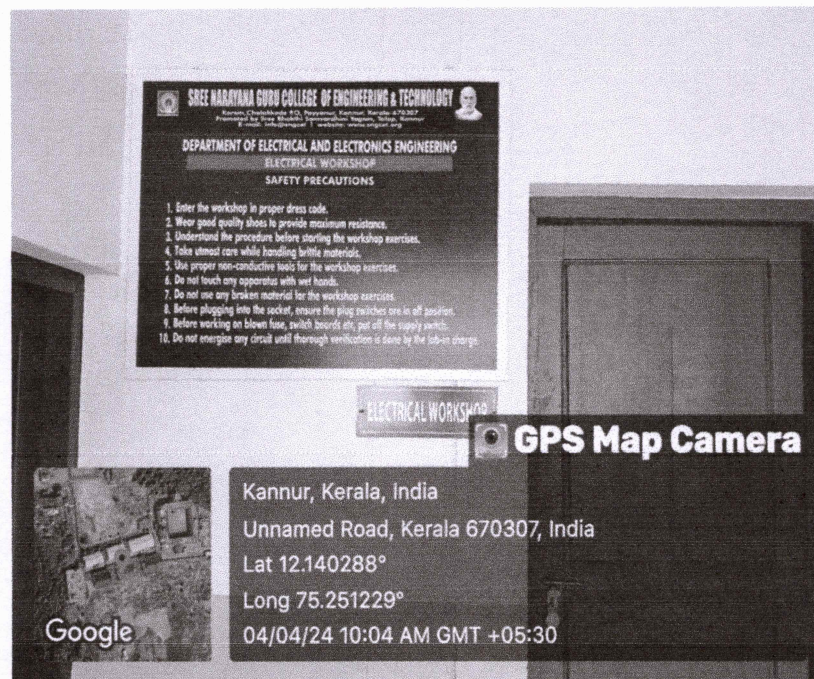


Fig.6 Safety Precautions displayed in Electrical Workshop

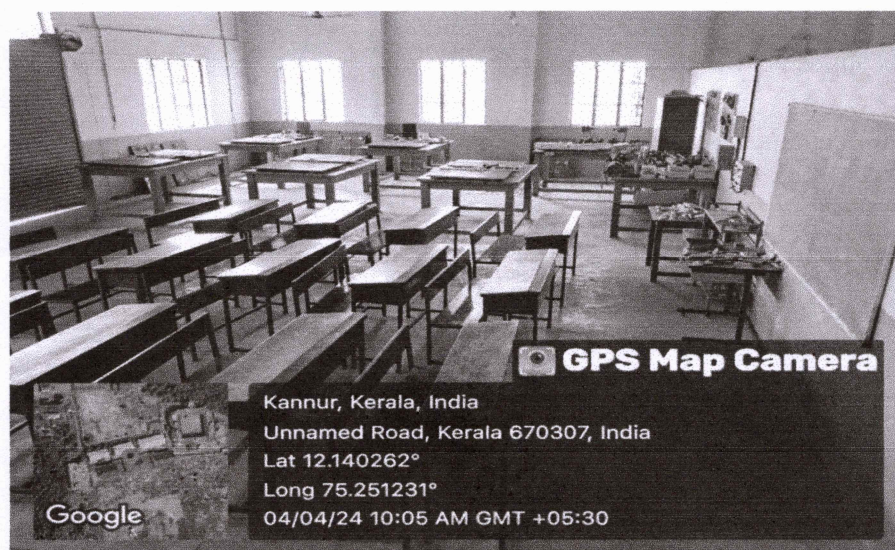


Fig.7 Electrical Workshop

The Electrical Workshop offers a comprehensive learning experience encompassing theory, practical skills, safety protocols, tool familiarity, and industry relevance. Students engage in hands-on activities to reinforce concepts, understand electrical hazards, and utilize various tools. The workshop equips individuals with essential skills for careers in electrical engineering and related fields.

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4. CIRCUITS AND MEASUREMENT LAB

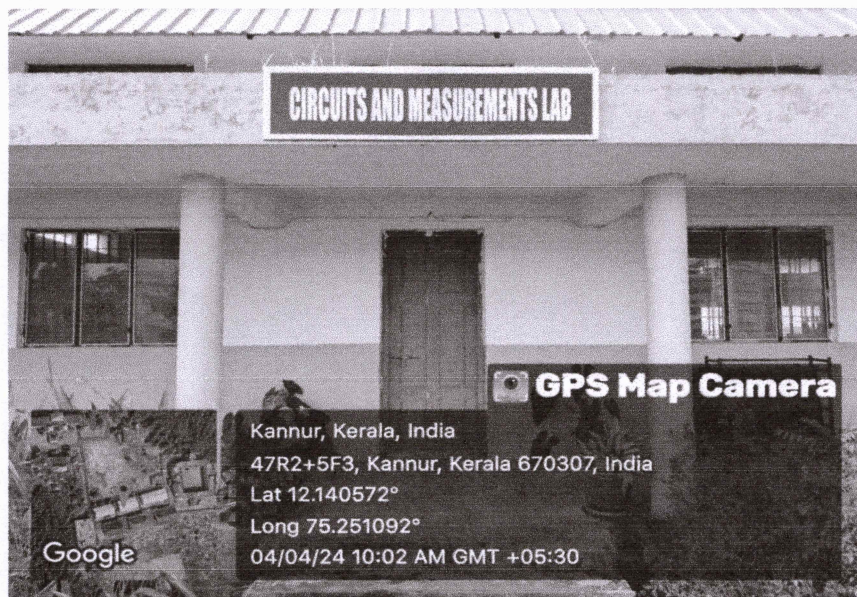


Fig.8 Entrance of Circuits & Measurements Lab

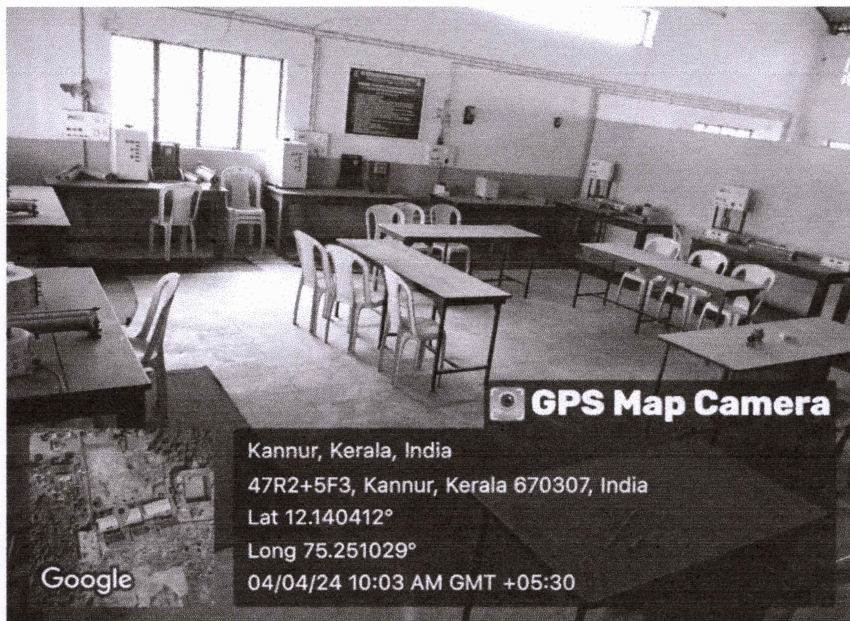


Fig.9 Interior of Circuits & Measurements Lab

The Circuits and Measurement Lab provides an interactive setting for exploring fundamental circuit principles and measurement techniques. Participants engage in hands-on activities to design, construct, and analyze circuits using various components and instruments. Through experiments and simulations, they develop proficiency in circuit analysis, measurement methodologies, and troubleshooting skills.

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5. ELECTRICAL MACHINES LAB I & II



Fig.10 Entrance of Electrical Machines Lab I & II



Fig. 11 Electrical Machines Lab I & II

This laboratory consists of electrical machinery required to conduct experiments on DC and AC Machine for 4th and 5th semesters. This laboratory is well equipped with machine from renowned manufacturer like Kirloskar, BHEL, L&T, etc.

The Electrical Machines Lab offers a practical learning environment for studying various types of electrical machines. Participants engage in hands-on activities to understand the principles of operation, construction, and performance characteristics of motors, generators, and transformers.

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