



**Panjappur, Tamil Nadu, India**  
**QM42+R82, Panjappur, Tamil Nadu 620012, India**  
**Lat 10.757138°**  
**Long 78.650864°**  
**24/12/21 11:48 AM**



**SARATHAN COLLEGE OF ENGINEERING**  
The Graduates will have the ability to

**Program Outcomes**

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design systems or components or processes that meet the specific needs of the problem, health, safety, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including production and modeling for complex engineering activities with an understanding of the limitations.
6. **The Engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering development in societal and environmental contexts, and demonstrate the knowledge of, and need for, sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

**Department of EEE**

1. To impart good quality education through broader exposure, value addition and effective learning through projects.
2. To mould students to meet professional challenges and to become successful Engineers and Technicians.
3. To pursue research in the field of Electrical and Electronic Engineering and related areas.

**Program Educational Objectives (PEOs)**

The Graduates of Electrical and Electronic Engineering will:

- PEO1: Impart strong foundation in developing engineering concepts and design capabilities.
- PEO2: Instill professional ethics & effective communication skills and create an ability to address social issues in engineering practice.
- PEO3: Develop technical skills through hands on experience and provide exposure to industrial practice.
- PEO4: Provide an academic environment to nurture with disciplinary approach, coverage continues learning for effective leadership in career.

**Program Specific Outcomes (PSOs)**

Graduates of Electrical and Electronic Engineering will be able to:

- PSO1: Develop expertise & provide solution for Energy storage and Environment Control in the area of Renewable Energy to meet the Country's Energy demand.
- PSO2: Apply the knowledge of sustainable energy systems with Engineering practices and find solution for sustainable power generation in solar energy.

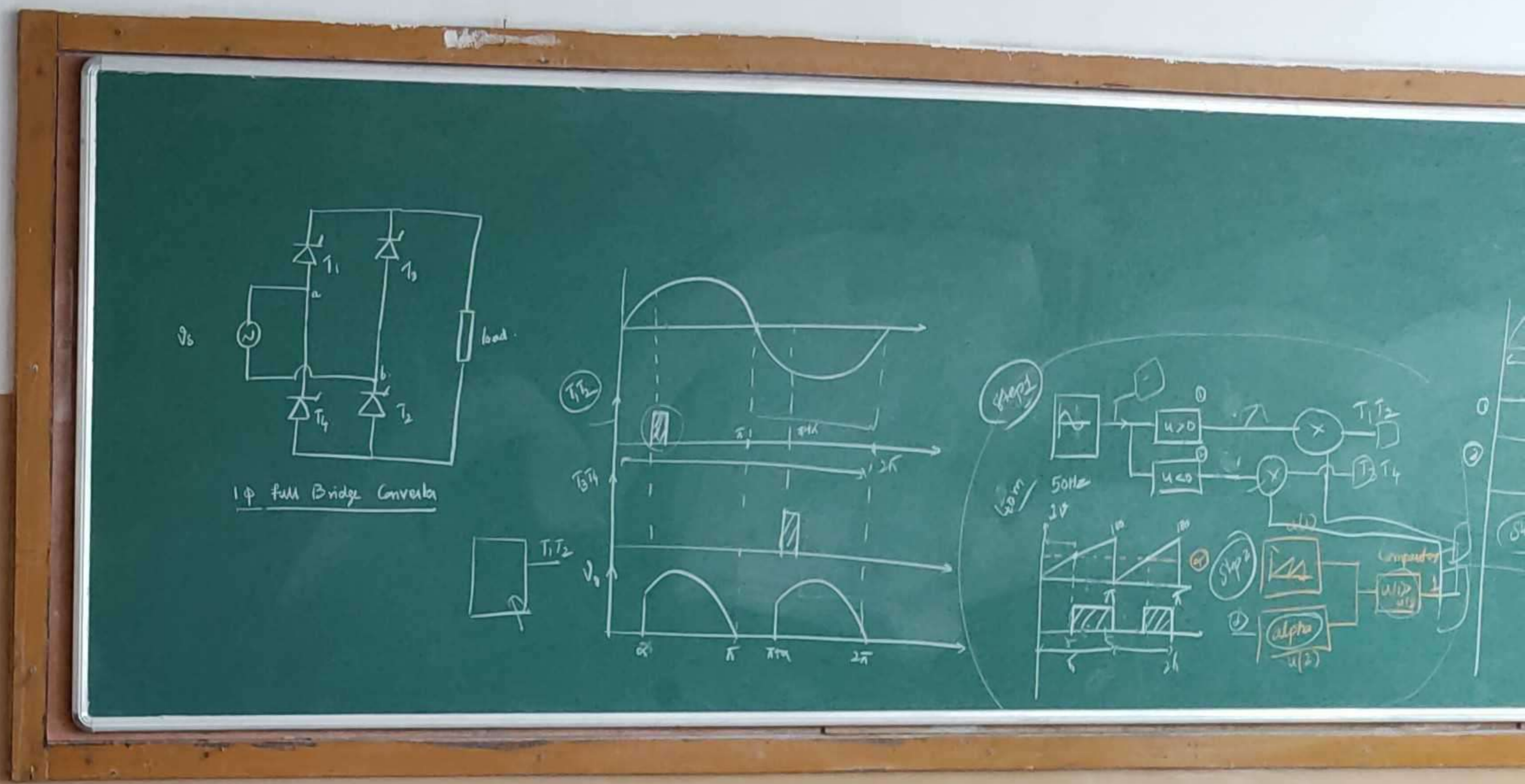
SARATHAN COLLEGE OF ENGINEERING  
Tamil Nadu  
Panjappur

**Program Outcomes**

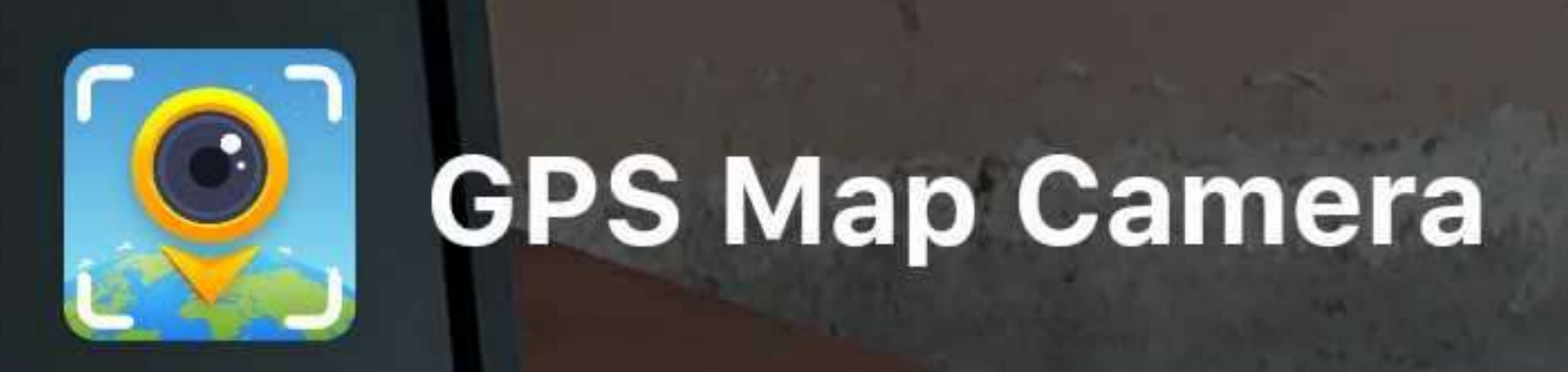
The Graduates will have the ability to:

1. Apply the knowledge of mathematics, science, engineering, fundamentals, and engineering practices, to the solution of engineering problems.
2. Identify, analyze, and design electrical and electronic systems, and apply the knowledge of mathematics, science, engineering, fundamentals, and engineering practices, to the solution of engineering problems.
3. Apply the knowledge of mathematics, science, engineering, fundamentals, and engineering practices, to the solution of engineering problems, and apply the knowledge of mathematics, science, engineering, fundamentals, and engineering practices, to the solution of engineering problems.
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Department of EEE



**Panjappur, Tamil Nadu, India**  
**QM42+M8H, Panjappur, Tamil Nadu 620012, India**  
**Lat 10.755961°**  
**Long 78.65142°**  
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**SARANATHAN**  
COLLEGE OF ENGINEERING  
Affiliated to Anna University - Chennai  
Approved by AICTE - New Delhi



**WINNERS BEGIN WITH SARANATHAN**

Counselling Code  
**3819**

- Department of EEE
- Academic Programs
- Facilities
- Faculty
- Research Cell
- E-Journal
- AU Dept. Performance
- Consultancy
- Institute Industry Partnership Cell
- Events
- Placement Details

**Vision of the Department:**

- Will strive continuously in pursuit of creativity, innovations and ethics in the field of Electrical and Electronics Engineering to blossom into Centre of Excellence.

**Mission of the Department:**

- To impart total quality education through broader exposure, value additions and effective teaching learning process.
- To mould students to meet professional challenges and to become outstanding Engineers and Technocrats.
- To pursue research in the field of Electrical and Electronics Engineering to serve the needs of the industry, scientific community and society.

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**SARANATHAN COLLEGE OF ENGINEERING**  
 Saranathan College of Engineering  
 Saranathan College of Engineering  
 Saranathan College of Engineering

**Program Outcomes**  
 The Graduates will have the ability to:

1. Apply engineering knowledge to solve complex problems.
2. Design and conduct experiments, analyze and interpret data.
3. Design and conduct experiments, analyze and interpret data.
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10. Design and conduct experiments, analyze and interpret data.

**Department of EEE**

**Vision of the Department**  
 To provide quality education through research and innovation in the field of Electrical and Electronics Engineering to meet the needs of the industry.

**Mission of the Department**

1. To impart quality education through research and innovation.
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3. To impart quality education through research and innovation.
4. To impart quality education through research and innovation.
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8. To impart quality education through research and innovation.
9. To impart quality education through research and innovation.
10. To impart quality education through research and innovation.

**Program Educational Objectives (PEOs)**  
 The Graduates of Electrical and Electronics Engineering will:

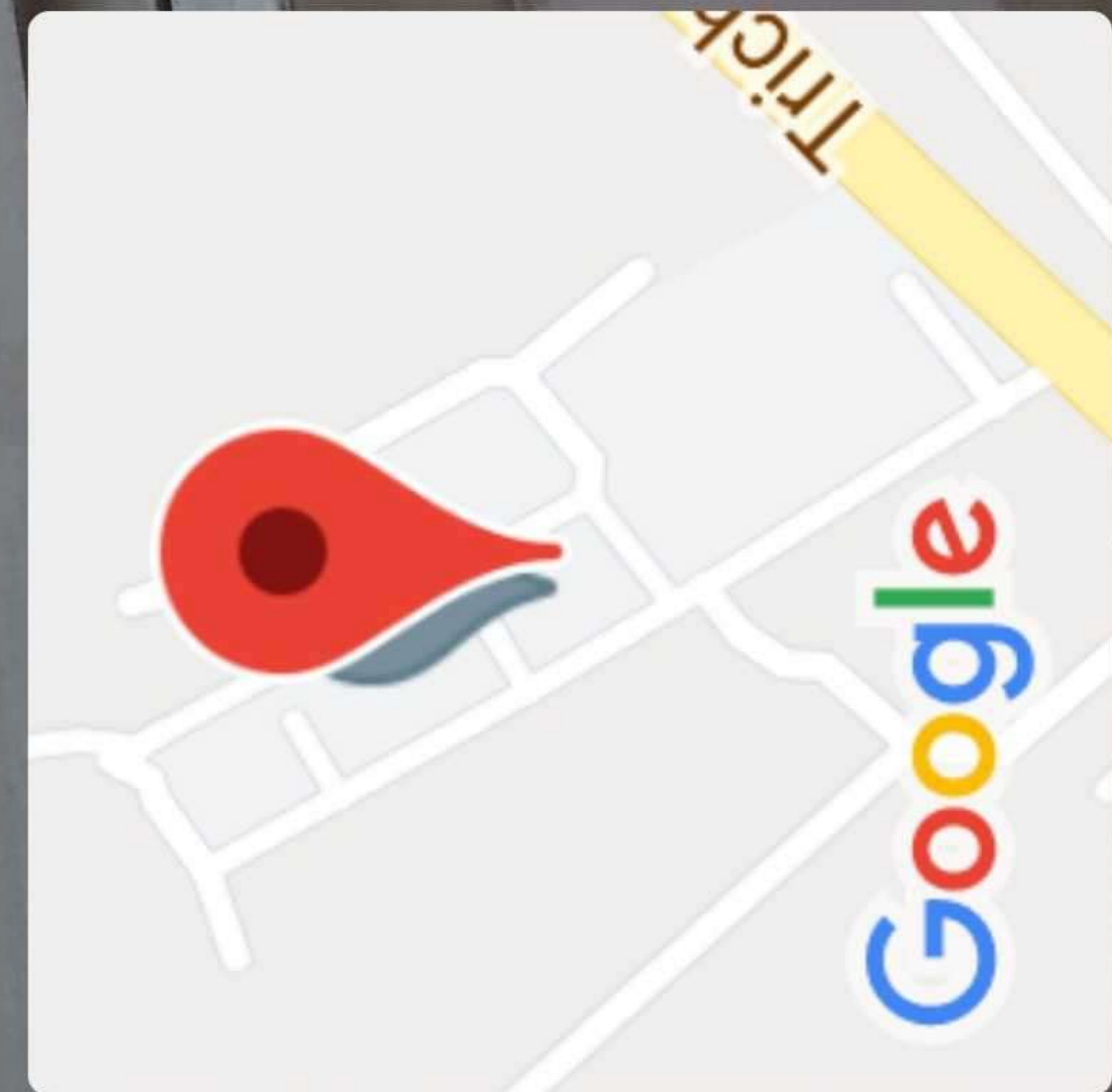
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**Program Specific Outcomes (PSOs)**

1. Apply engineering knowledge to solve complex problems.
2. Design and conduct experiments, analyze and interpret data.
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10. Design and conduct experiments, analyze and interpret data.



GPS Map Camera



Panjappur, Tamil Nadu, India

QM42+8HR, Panjappur, Tamil Nadu 620012, India

Lat 10.755985°

Long 78.65147°

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**SARANATHAN COLLEGE OF ENGINEERING**  
Venkateswara Nagar, Panjappur  
Tiruchirappalli - 620012.

### Program Outcomes

The Graduates will have the ability to

- 1. Engineering knowledge:**  
Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2. Problem analysis:**  
Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- 3. Design/development of solutions:**  
Design solutions for complex engineering problems and design system components or processes that meet the public health and safety, and the cultural, societal, and environmental considerations.
- 4. Conduct investigations of complex problems:**  
Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- 5. Modern tool usage:**  
Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- 6. The Engineer and society:**  
Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- 7. Environment and sustainability:**  
Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- 8. Ethics:**  
Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9. Individual and team work:**  
Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- 10. Communication:**  
Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- 11. Project management and finance:**  
Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- 12. Life-long learning:**  
Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

**SARANATHAN COLLEGE OF ENGINEERING**  
Venkateswara Nagar, Panjappur  
Tiruchirappalli - 620012.

### Vision of the Institution

Impart an inclusive engineering education that beyond being a facilitator for a career and rudimentary skills, equips the students to offer ethically & environmentally conscious solutions to societal issues.

### Mission of the Institution

Develop the Institution into a Model Self Financing College of Engineering and Technology. Deliver Professional Training to our students with state-of-the-art Laboratories and convert them into Technocrats of international repute.

1. Create a nurturing, holistic environment of engineering education to facilitate every student realize their full potential.
2. Strive to make the students strong in basic concepts armed with appropriate skills to enhance one's ability to apply the knowledge and provide solutions to real time issues.
3. Maintain an ambience that facilitates the students to strengthen their ethical value systems.
4. Actively promote R&D and institute-industry interaction.

### Department of EEE

#### Vision of the Department

Will strive continuously in pursuit of creativity, innovations and ethics in the field of Electrical and Electronics Engineering to blossom into Centre of Excellence.

#### Mission of the Department

1. To impart total quality education through broader exposure, value additions and effective teaching learning process.
2. To mould students to meet professional challenges and to become outstanding Engineers and Technocrats.
3. To pursue research in the field of Electrical and Electronics Engineering to serve the needs of the industry, scientific community and society.

#### Program Educational Objectives (PEOs)

The Graduates of Electrical and Electronics Engineering will

- PEO1:** impart strong foundation in electrical engineering concepts and encourage application of academic learning to solve real time engineering problems.
- PEO2:** inculcate professional ethics & effective communication skills and create an ability to address societal issues by leveraging one's engineering knowledge.
- PEO3:** develop technical skills through hands on experience and provide exposure to industrial practices.
- PEO4:** provide an academic environment to cultivate multi disciplinary approach, encourage continuous learning for effective leadership to flourish.

#### Program Specific Outcomes (PSOs)

Graduates of Electrical and Electronics Engineering will be able to:

- PSO 1:** create awareness & provide solution for Energy Security and Environmental Concern in the area of Renewable Energy to meet out the Country's Energy demand.
- PSO 2:** apply the knowledge of academic learning's to solve real life Engineering problems and find solutions for contemporary issues faced by society at large.



GPS Map Camera

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