



# PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

(Approved by AICTE & Affiliated to Anna University, Chennai)

Madurai - Sivagangai Highway, Arasanoor, Thirumansolai Post, Sivagangai Dt. - 630 561, Tamilnadu  
Mobile : 9842102628, 7373002628 Email: info@psyec.edu.in Website : www.psyec.edu.in

City Office : 10, Pandian Saraswathi St, Sivagami Nagar, Narayanapuram, Madurai - 625 014. Telefax- 0452 2682338, Mobile : 98423-02628

## BE ELECTRICAL AND ELECTRONICS ENGINEERING PROGRAMME EDUCATIONAL OBJECTIVES



COURSE DESCRIPTION      VISION AND MISSION      SALIENT FEATURE      RESEARCH & CONSULTANCY

### THE VISION

"To be recognized as a centre of excellence for producing competent and ethical electrical engineers who can address societal, environmental and industrial challenges using innovative technologies requires a strategic approach."

### THE MISSION

- To offer good quality under graduate and post graduate programmes, research and development in electrical and electronics engineering.
- To provide state of the art resources that contributes to achieve excellence in teaching learning, research and development activities.
- To bridge the gap between industry and academia by framing curriculum and syllabus based on industrial and societal need.

PROGRAM EDUCATIONAL OBJECTIVES      PROGRAM OUTCOMES(POs)      PROGRAM SPECIFIC OUTCOMES (PSOs)

1. Find employment in Core Electrical and Electronics Engineering and service sectors.
2. Get elevated to technical lead position and lead the organization competitively.
3. Enter into higher studies leading to post-graduate and research degrees. Become a consultant and provide solutions to the practical problems of core organization.
4. Become an entrepreneur and be part of electrical and electronics product and service industries.

### PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

Arasanoor, Thirumansolai Post, Madurai-Sivagangai  
Highway, TamilNadu - 630 561.

### Quick Links

- About Us
- Contact Us
- Placements

### Other Links

- PSY Group Of Organizations
- PSY Arts And Science College
- P.S.Y. College Of Education

### Connect With Us



location



# PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

(Approved by AICTE & Affiliated to Anna University, Chennai)

Madurai - Sivagangai Highway, Arasanoor, Thirumansolai Post, Sivagangai Dt. - 630 561, Tamilnadu

Mobile : 9842102628, 7373002628

Email: info@psyec.edu.in

Website : www.psyec.edu.in

City Office : 10, Pandian Saraswathi St, Sivagami Nagar, Narayanapuram, Madurai - 625 014. Telefax- 0452 2682338, Mobile : 98423-02628

## BE ELECTRICAL AND ELECTRONICS ENGINEERING PROGRAMME OUTCOMES(POs)

1. <b>Engineering problems.</b>
2. <b>Problem analysis</b> Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences
3. <b>Design/development of solutions</b> Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. <b>Conduct investigations of complex problems</b> Use research-based knowledge and research methods including design of experiments, analysis and interpretation and modeling to complex engineering activities with an understanding of the limitations.
5. <b>Modern tool usage</b> 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. <b>The engineer and society</b> 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. <b>Environment and sustainability</b> Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. <b>Ethics</b> Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. <b>Individual and team work</b> Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings
10. <b>Communication</b> 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. <b>Project management and finance</b> 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. <b>Life-long learning</b> 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.

PANDIAN SARASWATHI YADAV  
ENGINEERING COLLEGE

Arasanoor, Thirumansolai Post, Madurai-Sivagangai  
Highway, TamilNadu - 630 561.  
9842102628

Quick Links

- About Us
- Contact Us
- Placements

Other Links

- PSY Group Of Organizations
- PSY Arts And Science College
- P.S.Y. College Of Education

Connect With Us



location



# PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

(Approved by AICTE & Affiliated to Anna University, Chennai)

Madurai - Sivagangai Highway, Arasanoor, Thirumansolai Post, Sivagangai Dt. - 630 561, Tamilnadu

Mobile : 9842102628, 7373002628

Email: info@psyec.edu.in

Website : www.psyec.edu.in

City Office : 10, Pandian Saraswathi St, Sivagami Nagar, Narayanapuram, Madurai - 625 014. Telefax- 0452 2682338, Mobile : 98423-02628

## BE ELECTRICAL AND ELECTRONICS ENGINEERING PROGRAMME SPECIFIC OUTCOMES(PSOs)

electrical engineers who can address societal, environmental and industrial challenges using innovative technologies requires a strategic approach."

- To provide state of the art resources that contributes to achieve excellence in teaching, learning, research and development activities.
- To bridge the gap between industry and academia by framing curriculum and syllabus based on industrial and societal need.

PROGRAM EDUCATIONAL OBJECTIVES

PROGRAM OUTCOMES(POs)

PROGRAM SPECIFIC OUTCOMES (PSOs)

The Graduates shall exhibit the following:

1. **Foundation of Electrical Engineering:** Ability to understand the principles and working of electrical components, circuits, systems and control that are forming a part of power generation, transmission, distribution, utilization, conservation and energy saving. Students can assess the power management, auditing, crisis and energy saving aspects.
2. **Foundation of Mathematical Concepts:** Ability to apply mathematical methodologies to solve problems related with electrical engineering using appropriate engineering tools and algorithms.
3. **Computing and Research Ability:** Ability to use knowledge in various domains to identify research gaps and hence to provide solution which leads to new ideas and innovations

### PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

Arasanoor, Thirumansolai Post, Madurai Sivagangai  
Highway, TamilNadu - 630 561.

+91-9842102628  
+91-7373002628

www.psyec.edu.in

### Quick Links

- About Us
- Contact Us
- Placements
- Library
- Hostel

### Other Links

- PSY Group Of Organizations
- PSY Arts And Science College
- P.S.Y. College Of Education
- PSY Mat.Hr.Sec.School
- KVAFSU

### Connect With Us



### location

