

Jawahar Gardens, Ottapalam, Kerala - 679301



#### CRITERION – 2 TEACHING - LEARNING AND EVALUATION 2.6 STUDENTS PERFORMANCE AND LEARNING OUTCOME

## 2.6.1. Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

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PRINCIPAL

Description of Engineering & Technology

Description of Engineering



Jawahar Gardens, Ottapalam, Kerala - 679301



#### INSTITUTE

#### VISION

Emerge as a center of excellence for professional education to produce high quality engineers and entrepreneurs for the development of the region and the Nation.

#### **MISSION**

**MI1:** To become an ultimate destination for acquiring latest and advanced knowledge in the multidisciplinary domains.

MI2: To provide high quality education in engineering and technology through innovative teaching-learning practices, research and consultancy, embedded with professional ethics.

MI3: To promote intellectual curiosity and thirst for acquiring knowledge through outcome based education.

MI4: To have partnership with industry and reputed institutions to enhance the employability skills of the students and pedagogical pursuits.

**MI5:** To leverage technologies to solve the real life societal problems through community services.



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## THE FOLLOWING ARE THE PROGRAM OUTCOMES OF UNDER GRADUATE ENGINEERING DEGREE:

PO1	Engineering knowledge: Apply the knowledge of mathematics, science engineering fundamentals, and an engineering specialization to the solution complex engineering problems.		
PO2	<b>Problem analysis</b> : Identify, formulate, review research literature, and analy complex engineering problems reaching substantiated conclusions using figurinciples of mathematics, natural sciences, and engineering sciences.		
PO3	<b>Design/development of solutions</b> : Design solutions for complex engineering problems and design system components or processes that meet the specified need with appropriate consideration for the public health and safety, and the cultural societal, and environmental considerations.		
PO4	Conduct investigations of complex problems: Use research-based knowledge an research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.		
PO5	Modern tool usage: Create, select, and apply appropriate techniques, resources, ar modern engineering and IT tools including prediction and modeling to comple engineering activities with an understanding of the limitations.		
PO6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the conseque responsibilities relevant to the professional engineering practice.		
PO7	Environment and sustainability: Understand the impact of the professions engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.		
PO8	Ethics: Apply ethical principles and commit to professional ethics an responsibilities and norms of the engineering practice.		







# Jawaharlal College of Engineering and Technology Jawahar Gardens, Ottapalam, Kerala - 679301



PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	
PO10	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.	
PO11	Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as member and leader in a team, to manage projects and in multidisciplinary environments.	
PO12	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.	



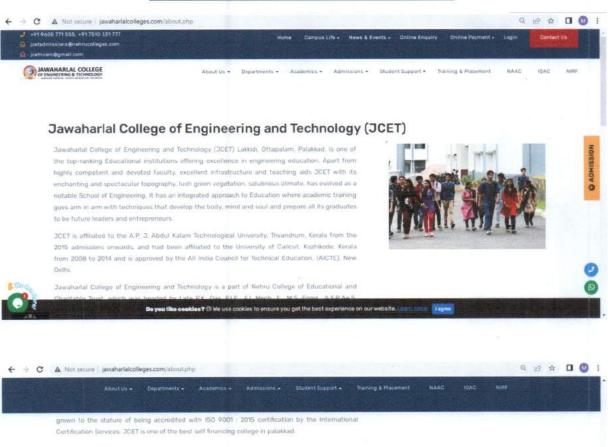
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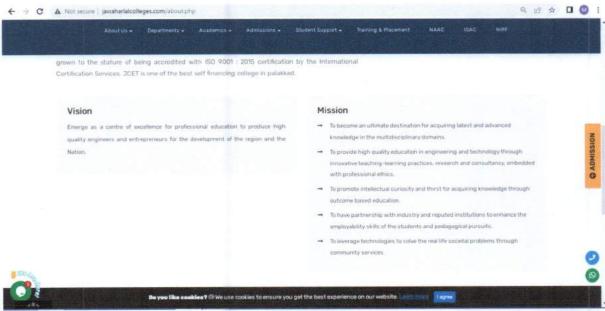


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#### VISION & MISSION OF THE INSTITUTE







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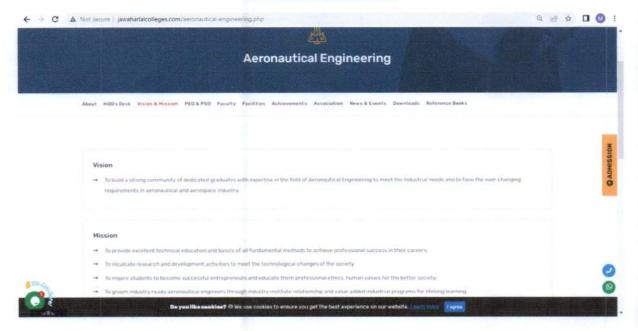


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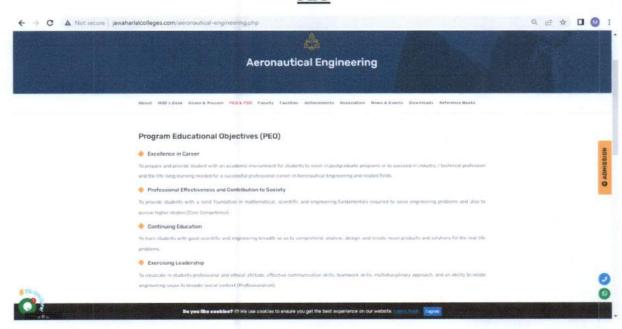


### DEPARTMENT OF AERONAUTICAL ENGINEERING

#### **VISION & MISSION**



#### **PEO**







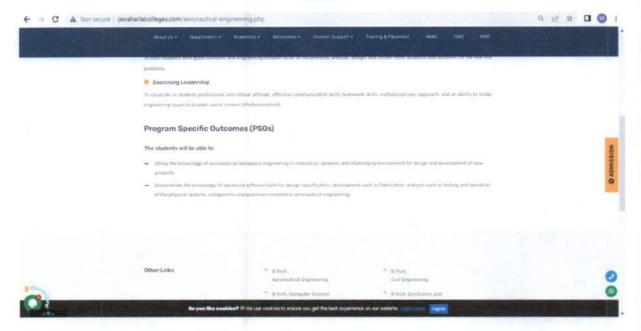


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#### DEPARTMENT OF AERONAUTICAL ENGINEERING

#### **PSO**





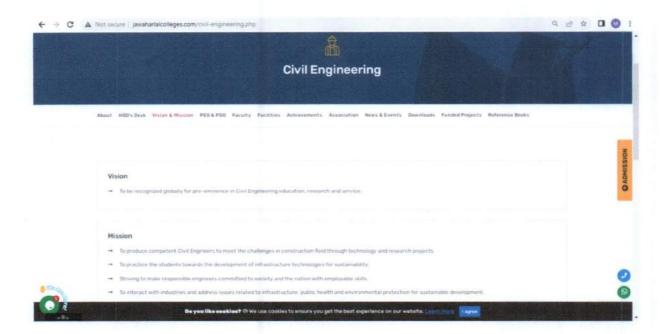
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# DEPARTMENT OF CIVIL ENGINEERING VISION & MISSION



#### PEO & PSO

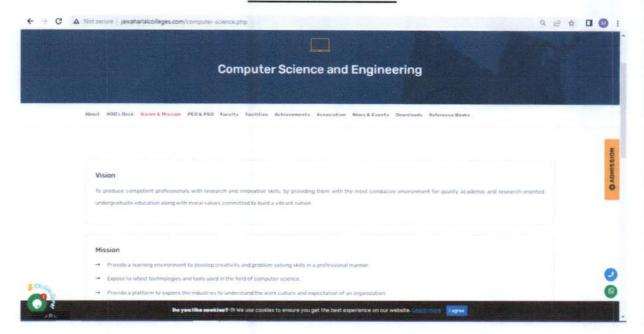




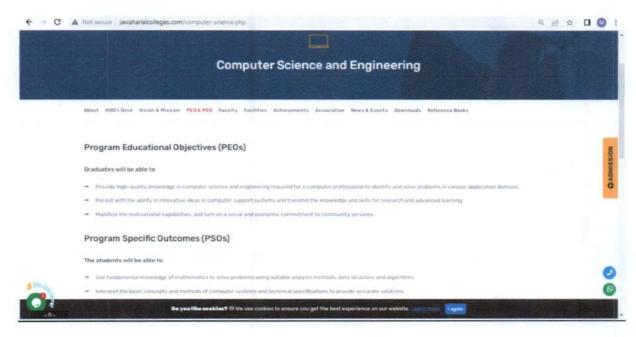
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# DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING VISION & MISSION



#### PEO & PSO





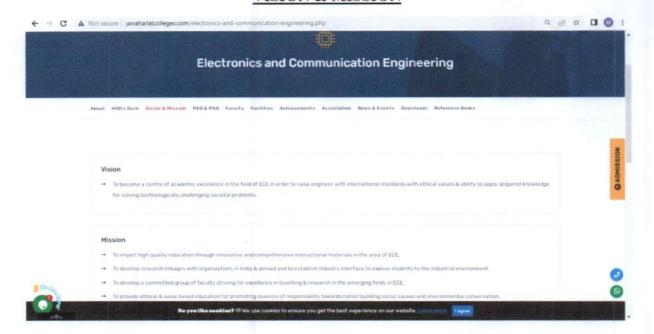
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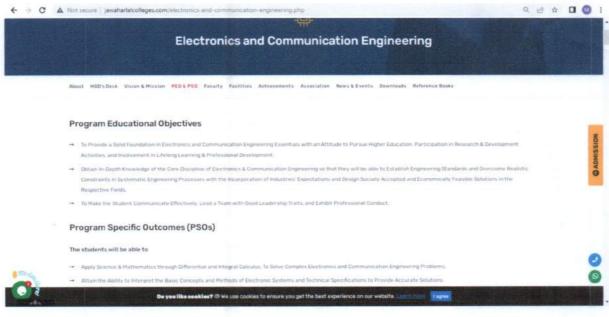
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## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING VISION & MISSION



#### PEO & PSO





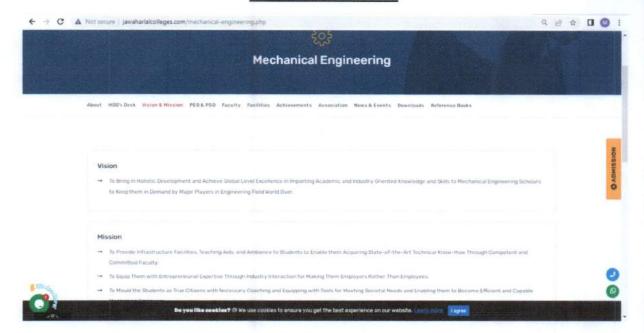
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## DEPARTMENT OF MECHANICAL ENGINEERING VISION & MISSION



#### PEO & PSO

