Indra Ganesan
College of Engineering

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NAAC with 'B+' Grade, 2(f) & 12B Status Institution by UGC
IG Valley, Madurai Main Road, Manikandam, Tiruchirappalli - 620012

NAAC DOCUMENTS

QUALITY INDICATOR FRAME WORK

CRITERION – 2

TEACHING-LEARNING AND EVALUATION

SUBMITTED BY

IQAC

INTERNAL QUALITY ASSURANCE CELL

INDRA GANESAN COLLEGE OF ENGINEERING

Criteria 2	Teaching-Learning and Evaluation	350

Key Indicator- 2.6. Student Performance and Learning Outcome (90)

2.6.2 Attainment of POs and COs are evaluated (20)

2019-2020

ATTAINMENT EVALUATION OF POs & COs

ELECTRONICS AND COMMUNICATION ENGINEERING

Table of Content

Indra Ganesan
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Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
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NAAC Accredited, 2(F) Status Institution by UGC

Department of ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Year (2019 - 2020)

PO-PSO ATTAINMENT

PO/PSO	STATEMENT	ATTAINMENT VALUE
PO1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.	2.73
PO2	Identity, formulates, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	2.03
PO3	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 cultural, societal, and environmental considerations.	1.73
PO4	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	1.19
PO5	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	1.23
PO6	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.	1.56
PO7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate knowledge of, and need for sustainable development.	2.67

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PO8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice	**1.4**
PO9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings	**1.82**
PO10	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	**1.75**
PO11	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.	**1.3**
PO12	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.	**1.78**
PSO1	Design and develop IoT applications using Raspberry Pi, Arduino and other advanced processors	**1.89**
PSO2	Design and synthesize various circuits using latest hardware and EDA tools	**2.11**
PSO3	Design and analyse modern communication systems to meet the present and future needs of industry with cost effective solutions	**1.89**

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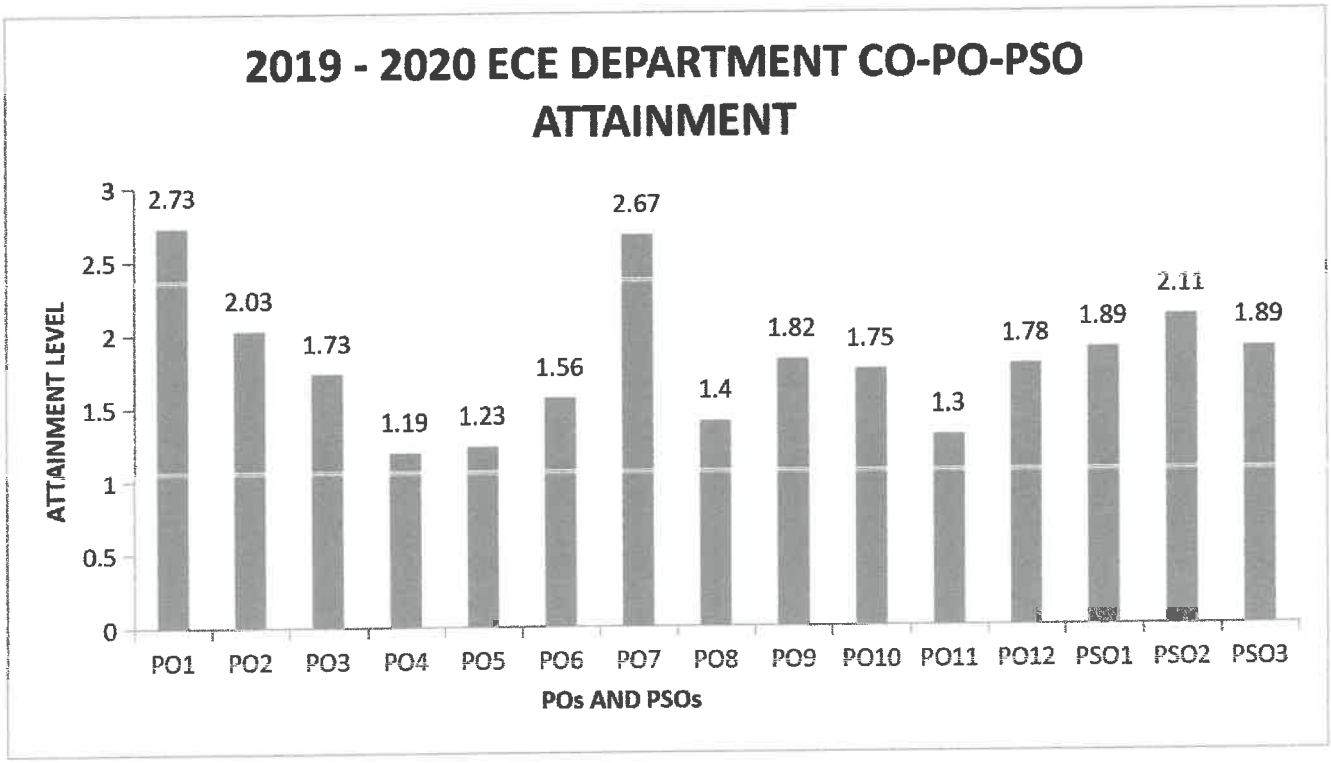
PO-PSO ATTAINMENT



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DEPARTMENT OFELECTRONICS AND COMMUNICATION ENGINEERING
ACTION TAKEN REPORT FOR CO-PO-PSO ATTAINMENT

ACADEMIC YEAR 2019-2020

In order to bridge the gap between the attained level with respect to the target level in each POs and PSOs, the following corrective measures were taken.

S.NO	NAME OF THE ACTIVITY PROPOSED	FOCUSED POS & PSOS
1	Value Added Course (VAC) - Advanced surveying on total station.	PO1,PO2, PO3,PO4,POS, PO9,PO10, PO12, PSO1,PSO2,PSO3
2	Entrepreneurship & Development cell (EDC) - Awareness about Entrepreneurship, innovation and importance of an E&I cell.	PO6,PO7,PO8,PO11
3	Intellectual Property Rights (IPR) - Role of IPR in green technologies	PO6,PO7,PO8,PO11
4	Language and Communication Technology (LCT)-Effect of Technology in Intercultural Communication.	PO9,PO10
5	Soft Skill Program - Way from campus to corporate	PO10
6	Life Skill Program - Entrepreneurship and Innovation.	PO8
7	Information Communication Technology (ICT) tools-AI in communication tools	PO5,PO12
8	Research Methodology (RM) - Construction safety management	PO1,PO2, PO3,PO4,PSO1,PSO2,PSO3.

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