



# 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





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**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**

### **M.E VLSI**

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**Department of M.E VLSI**  
**Academic Year (2019 - 2020)**  
**PO-PSO ATTAINMENT**

PO/PSO	STATEMENT	ATTAINMENT VALUE
PO1	An ability to independently carry out research / investigation and development work to solve practical problems.	2.83
PO2	An ability to write and present a substantial technical report/document.	2.09
PO3	Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program.	1.83
PO4	Design and develop solutions for problems in digital and analog electronic system through VLSI Integrated Circuits.	1.26
PO5	Execute independently the projects involving simulations and / or measurements in digital and analog electronic circuits and system design.	1.54
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.	1.78
PO7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for, sustainable development.	3.59

  
PRINCIPAL  
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<b>PO8</b>	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	<b>1.58</b>
<b>PO9</b>	Individual and teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	<b>1.62</b>
<b>PO10</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.	<b>1.72</b>
<b>PO11</b>	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.	<b>1.5</b>
<b>PO12</b>	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.	<b>1.8</b>
<b>PSO1</b>	Apply a systematic approach to solve the problems in the field of VLSI Domain.	<b>2.01</b>
<b>PSO2</b>	Design an ASIC and FPGA based system using modern Electronic Design.	<b>1.98</b>
<b>PSO3</b>	Automation tools with knowledge, techniques and skills for the benefit of industry and society.	<b>1.89</b>



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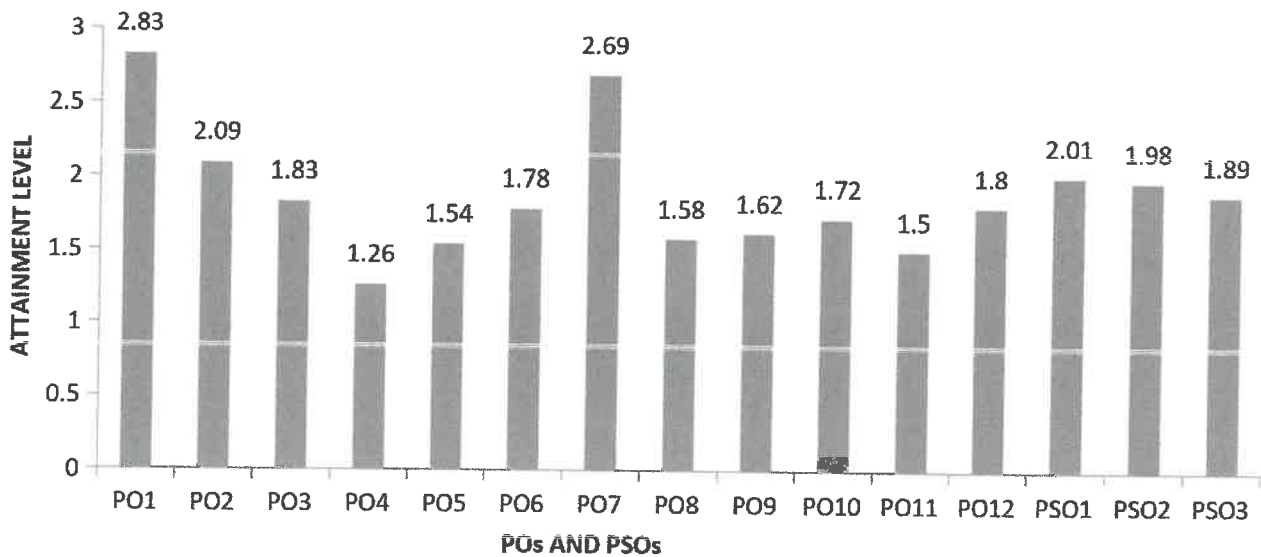


**Department of M.E VLSI**

**Academic Year (2019 - 2020)**

**PO-PSO ATTAINMENT**

## 2019 - 2020 ME VLSI DEPARTMENT CO-PO-PSO ATTAINMENT



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### DEPARTMENT OF M.E VLSI 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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