



# Indra Ganesan

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## 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

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## QUALITY INDICATOR FRAME WORK

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### CRITERION – 2

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## TEACHING-LEARNING AND EVALUATION

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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 Performances and Learning Outcome (90)

2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all programmes offered by the institution are stated and displayed on website

## DEPARTMENT OF MECHANICAL ENGINEERING

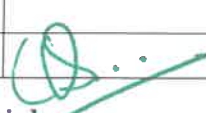
### 2021-2022

### ATTAINMENT EVALUATION OF POs & Cos

### MECHANICAL ENGINEERING

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Dr. G. Balakrishnan, M.E., Ph.D.,  
Principal  
Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012.



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DEPARTMENT OF MECHANICAL ENGINEERING		
ACADEMIC YEAR-2021-2022		
PO/PSO	STATEMENT	ATTAINED VALUE
PO1	An ability to apply knowledge of mathematics and engineering sciences to develop mathematical models for industrial problems.	2.76
PO2	An ability to identify, formulate, and solve complex engineering problems. With high degree of competence.	2.08
PO3	An ability to design and conduct experiments, as well as to analyze and interpret data obtained through those experiments.	1.63
PO4	An ability to design mechanical systems, component, or a process to meet desired needs within the realistic constraints such as environmental, social, political and economic sustainability	1.09
PO5	An ability to use modern tools, software and equipment to analyze multidisciplinary problems	1.08
PO6	An ability to demonstrate on professional and ethical responsibilities.	1.62
PO7	An ability to communicate, write reports and express research findings in a scientific community	2.03
PO8	An ability to adapt quickly to the global changes and contemporary practices. 9. An ability to engage in life-long learning	1.89
PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings	1.68
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	1.72
PO11	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.	1.26
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	1.46
PSO1	To analyze, design and develop solutions by applying foundational concepts of electronics and communication engineering.	1.92
PSO2	To apply design principles and best practices for developing quality products for scientific and business applications.	2.08
PSO3	To adapt to emerging information and communication technologies (ICT) to innovate ideas and solutions to existing/novel problems.	1.88

HOD

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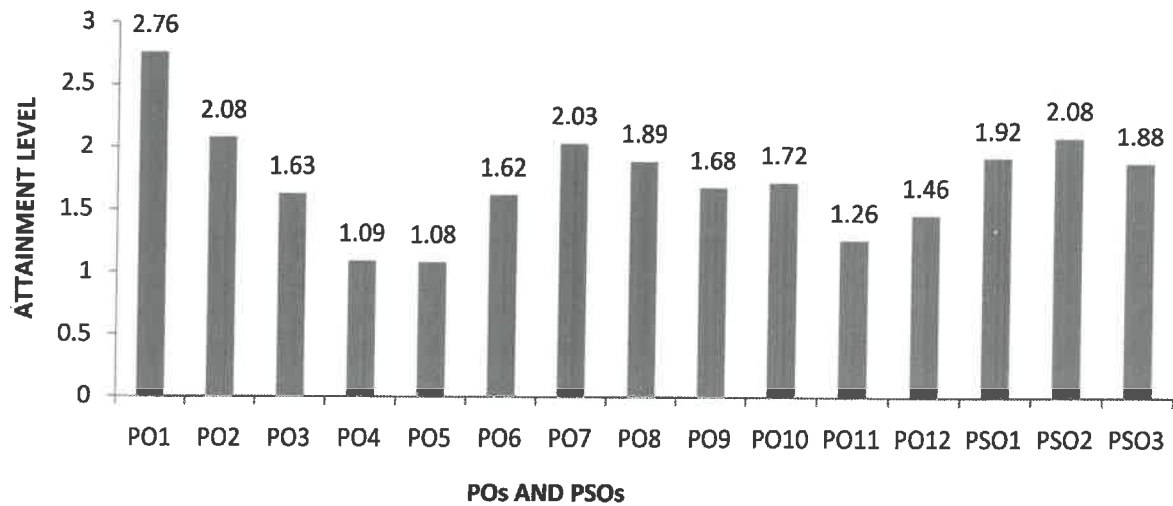
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## 2021-22 MECH DEPARTMENT CO-PO-PSO ATTAINMENT



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### DEPARTMENT OF MECHANICAL ENGINEERING ACTION TAKEN REPORT FOR CO-PO-PSO ATTAINMENT ACADEMIC YEAR 2021-2022

In order to bridge the gap between the attainments with respect to target level in each **POs and PSOs** the following measure were taken

SL.NO	NAME OF ACTIVITIES PROPOSED	FOCUSED POs and PSOs
1	<b>Value Added course (VAC)</b> -advanced surveying on total stations	PO1,PO2,PO3,PO4,PO5,PO9, PO10,PO12,PSO1,PSO2,PSO3
2	<b>Entrepreneurship &amp; Development cell (EDC)</b> –Awareness about entrepreneurship, innovation and importance of an EDC	PO6,PO07.PO8,PO11
3	<b>Intellectual Properties Right (IPR)</b> -Role of IPR Green Technology	PO6,PO07.PO8,PO11
4	<b>Languages and Communication Technologies(LCT)</b> –effect of technology in intercultural	PO9,PO10
5	<b>Soft Skill Programme</b> – way from campus to corporate	PO10
6	<b>Life Skill Programme</b> – entrepreneurship and innovations	PO8
7	<b>Information Communication Technology (ICT) Tools</b> - all in communication tools	PO5,PO12
8	<b>Research Methodology (RM)</b> - Safety management system at construction industry	PO1,PO2,PO3,PO4, PSO1,PSO2,PSO3

  
HoD



Principal

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