



# Mar Ephraem

College of Engineering and Technology  
Catholic Diocese of Marthandam

*Approved by AICTE. Affiliated to Anna University, Chennai*  
(A NAAC Accredited Institution)

## **Attainment of Program Outcomes and Program Specific Outcomes**



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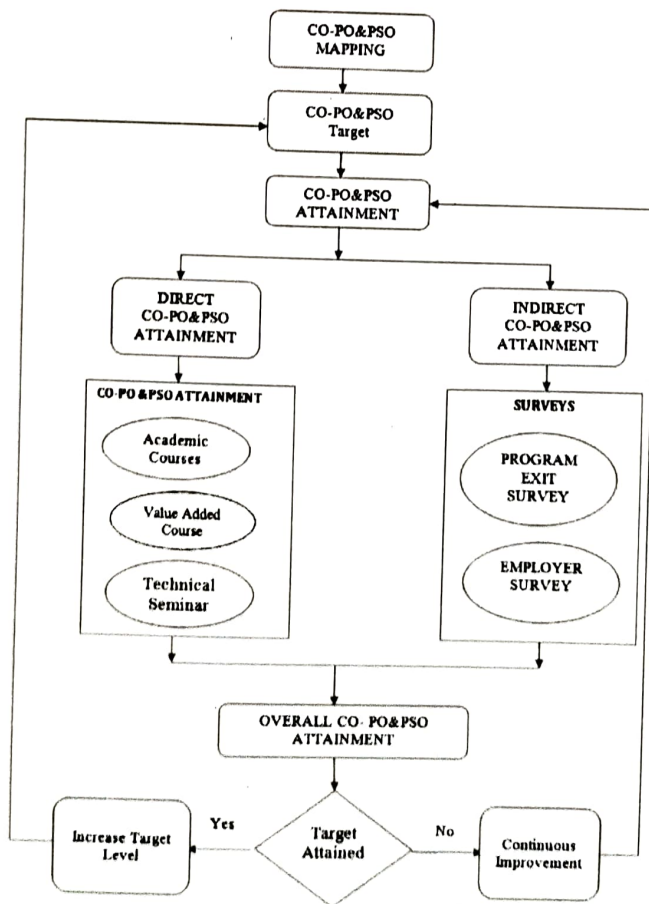
## 6. ATTAINMENT OF PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

### A. CO - PO & PSO Assessment Process

- The CO-PO & PSO attainment is computed through direct and indirect assessment process.
- The direct part is computed through the attainment of COs from all academic courses, value added course and technical seminar.
- The indirect attainments of the POs are computed through Program Exit Survey and Employer Survey among stakeholders.
- The overall attainment of outcomes of a program (POs) is computed by adding direct attainment and indirect attainment values in the proportion ratio of 80:20.
- That is, 80% of direct attainment and 20% of indirect attainment is taken into consideration.

### CO-PO&PSO ASSESSMENT PROCESS FLOW CHART

The CO-PO&PSO assessment processes followed in Mar Ephraem college of Engineering and Technology



HOD

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MAR EPHRAEM COLLEGE  
OF ENGINEERING & TECHNOLOGY  
MALANKARA HILLS, ELAVUVILAI, MARTHA



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OVER ALL PO / PSO ATTAINMENT (2016-2020 Batch)														
Direct PO Attainment Level														
Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2
ATTAINMENT	2.46	2.21	1.71	1.61	1.47	2.25	2.28	2.29	2.17	2.59	2.55	2.51	2.26	2.25
Indirect Assessment														
Employer Survey														
Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Level	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Program Exit Survey														
Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Level	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Indirect Assessment Attainment Level														
Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Level	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Overall Attainment Level : Direct Assessment 80%, Indirect Assessment 20%														
Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Level	2.37	1.79	1.53	1.98	2.31	2.33	2.26	2.33	2.36	2.28	2.57	2.07	2.27	2.21
<b>TARGET ATTAINMENT</b>	<b>2</b>													
Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
ATTAINMENT RESULT	Y	Y	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y

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## 2016-2020

Pos	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PS01	PS02
Level	2.57	2.37	1.97	1.89	1.78	2.40	2.42	2.43	2.34	2.67	2.64	2.61	2.41	2.40
<b>TARGET ATTAINMENT</b>	<b>2</b>													
Pos	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PS01	PS02
<b>ATTAINMENT RESULT</b>	Y	Y	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y

## 2015-2019

Pos	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PS01	PS02
Level	2.50	2.34	1.88	1.90	1.74	2.40	2.42	2.43	2.34	2.67	2.28	2.61	2.41	2.40
<b>TARGET ATTAINMENT</b>	<b>2</b>													
Pos	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PS01	PS02
<b>ATTAINMENT RESULT</b>	Y	Y	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y

## 2014-2018

Pos	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PS01	PS02
Level	2.43	2.17	1.66	1.85	1.55	2.31	2.43	2.1	2.21	2.43	2.36	2.39	2.54	2.25
<b>TARGET ATTAINMENT</b>	<b>2</b>													
Pos	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PS01	PS02
<b>ATTAINMENT RESULT</b>	Y	Y	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y

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