MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

Kalitheerthalkuppam, Puducherry- 605 107.

DEPARTMENT OF INFORMATION TECHNOLOGY

PO Attainment – (Batch: 2014-2018)

Course Code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
FIRST SEMESTER													
C101	Mathematics – I	3	3	3	3	-	-	-	-	-	-	-	3
C102	Physics	3	3	3	3	-	3	-	-	-	-	-	3
C103	Chemistry	3	3	3	-	-	3	3	-	-	-	-	3
C104	Basic Electrical and Electronics Engineering	0	0	0	-	-	0	0	-	-	-	0	0
C105	Engineering Thermodynamic	1	1	1	1	-	-	-	-	-	-	-	1
C106	Computer Programming	0	0	0	0	0	0	0	0	0	0	0	0
C107(P)	Computer Programming lab	3	3	3	3	3	3	-	-	3	-	3	3
C108(P)	Engineering Graphics	3	3	-	-	-	-	-	-	-	-	-	-
C109(P)	Basic Electrical & Electronics Laboratory	3	3	-	-	-	3	3	-	3	3	3	3
SECOND SEMESTER													
C110	Mathematics – II	2	2	2	2	-	-	2	-	-	-	-	2
C111	Material Science	3	3	3	-	-	3	3	-	-	-	-	3
C112	Environmental Science	1	-	-	-	-	1	1	-	-	-	1	1
C113	Basic Civil and Mechanical Engineering	3	3	3	3	-	3	3	-	-	3	-	3
C114	Engineering Mechanics	0	0	-	0	-	0	-	-	-	0	-	0
C115	Communicative English	-	-	-	-	-	-	-	-	3	3	-	3
C116(P)	Physics Laboratory	3	-	-	3	-	3	3	-	3	3	-	3
C117(P)	Chemistry Laboratory	3	-	-	-	-	3	3	-	3	3	-	3
C118(P)	Workshop Practice	-	-	3	-	-	-	-	-	-	-	-	-
C119(P)	NSS / NCC *	3	-	-	-	3	3	3	3	3	3	3	3
THIRD SEMESTER													
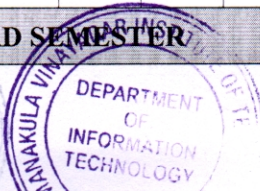
C201	Mathematics - III	3	3	3	3	-	-	3	-	-	-	-	3
C202	Electronics Devices and Circuits	3	3	3	3	-	3	-	-	-	-	3	3
C203	Data Structures	3	3	3	3	-	3	-	3	-	3	3	3
C204	Object Oriented Programming	3	3	3	3	3	-	-	-	3	-	-	3
C205	Digital System Design	1	1	1	1	1	1	-	-	1	-	-	1
C206	Computer Organization	3	3	3	3	3	3	3	3	-	-	-	3
C207(P)	Data Structures Lab	3	3	3	3	-	-	3	3	3	-	-	3
C208(P)	Electronics Devices and Circuits Lab	3	3	3	3	3	-	-	-	3	3	3	3
C209(P)	Digital system design Laboratory	3	3	3	3	3	3	-	-	3	-	-	3
FOURTH SEMESTER													
C210	Mathematics -IV	3	3	3	3	-	-	3	-	-	-	3	3
C211	Communication Engineering-I	3	3	3	3	3	3	3	3	-	-	3	3
C212	Design and Analysis of Algorithms	3	3	3	3	3	-	-	-	-	3	3	3
C213	Microprocessors and Microcontrollers	3	3	3	-	-	3	-	-	-	-	3	3
C214	Java Programming	3	3	3	3	3	-	-	-	-	-	-	3
C215	System Software	3	3	3	3	3	3	-	-	-	3	3	3
C216(P)	Algorithm Laboratory	3	3	3	3	-	-	-	-	3	-	-	3
C217(P)	Microprocessor and Microcontrollers Lab	3	3	3	3	3	-	-	-	3	3	3	3
C218(P)	Java Laboratory	3	3	-	3	3	-	-	-	3	-	3	3
C219(P)	Physical Education*	3	3	3	3	3	3	3	3	3	3	3	3
FIFTH SEMESTER													
C301	Communication Engineering-II	3	3	3	3	3	3	3	-	3	3	3	3
C302	Software Engineering	3	3	3	3	-	-	-	3	3	3	3	3
C303	Operating Systems	3	3	3	3	3	-	-	-	-	-	-	3
C304	Database Management Systems	3	3	3	3	3	3	-	3	-	-	3	3
C305	Theory of Computation	3	3	3	3	3	-	3	-	3	-	-	3

Code	Course												
C306	Computer Hardware and Trouble shooting	3	3	3	3	3	-	3	3	3	-	3	3
C307(P)	Communication Engineering Lab	3	3	3	3	3	3	3	3	3	3	3	3
C308(P)	Operating Systems Lab	3	3	3	3	3	-	-	-	3	-	-	3
C309(P)	Database Management Systems Lab	3	3	3	3	3	-	-	-	3	3	3	3
C310(P)	General Proficiency -I	-	-	-	-	-	-	-	-	3	3	-	-

SIXTH SEMESTER

Code	Course												
C311	Computer Network	3	3	3	3	3	-	-	-	-	-	-	3
C312	Web Technology	3	3	3	-	3	-	-	-	3	-	-	3
C313	Artificial Intelligence	3	3	3	3	3	-	3	-	3	3	3	3
C314	Information coding Technique	3	3	3	3	3	3	3	-	3	-	3	3
C315	Object Oriented Analysis and design	3	3	3	3	3	-	-	-	3	3	3	3
C316	User Interface Design	3	3	3	3	3	3	3	3	3	3	3	3
C317(P)	Computer Network Lab	3	3	3	3	3	-	3	-	3	-	3	3
C318(P)	Web Technology Lab	3	3	3	-	3	3	-	-	3	-	-	3
C319(P)	Mini Project	3	3	3	-	3	3	3	-	3	3	-	-
C320(P)	General Proficiency II	-	-	-	-	-	-	-	-	3	3	3	3

SEVENTH SEMESTER

Code	Course												
C401	Mobile Computing	3	3	3	3	3	-	-	3	3	-	3	3
C402	Web service and XML	3	3	3	3	3	-	-	-	-	-	-	3
C403	Cryptography and Network security	3	3	3	3	3	-	-	-	-	-	-	3
C404	Software Testing	-	3	3	3	3	3	3	3	3	3	3	3
C405	Management Concepts And Strategies	3	-	3	-	-	-	-	-	-	3	3	3
C406(P)	MC Lab	3	3	3	-	3	-	3	3	3	-	-	3
C407(P)	WSX Laboratory	3	3	3	3	3	-	-	-	3	-	-	3
C408(P)	Project Work (Phase I)	3	3	3	3	3	3	3	3	3	3	3	3
C409(P)	Seminar	3	3	3	3	-	-	-	3	3	3	3	3
C410(P)	Training / Industrial Visit	3	3	3	3	3	3	3	3	3	3	3	3
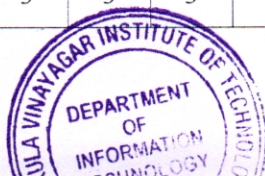
EIGHTH SEMESTER													
C411	Professional Ethics	3	-	-	-	-	-	-	3	3	-	-	3
C412	Distributed Computing	3	3	3	3	3	3	3	3	3	3	3	3
C413	Data Mining	3	3	3	3	3	-	-	-	-	3	3	3
C414(P)	Project Work (Phase-II)	3	3	3	3	3	3	3	3	3	3	3	3
C415(P)	Comprehensive Viva-Voce	3	3	3	3	3	3	3	3	-	3	3	3
Avg		2.76	2.77	2.81	2.79	2.88	2.62	2.71	2.86	2.88	2.81	2.79	2.76

Batch (2014-18)

PO Attainment Target is fixed at 2.5

PO Attainment Level –Direct Assessment

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg of Direct Assessment	2.76	2.77	2.81	2.79	2.88	2.62	2.71	2.86	2.88	2.81	2.79	2.76
Weightage of 80% of Direct POs	2.2	2.21	2.24	2.23	2.3	2.09	2.16	2.28	2.3	2.24	2.23	2.2

PO Attainment Level –InDirect Assessment

SURVEYs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Student exit survey	2.59	2.56	2.56	2.43	2.43	2.56	2.51	2.48	2.46	2.53	2.48	2.53
Alumni survey	2.59	2.5	2.56	2.61	2.6	2.51	2.45	2.5	2.5	2.69	2.63	2.61
Employer survey	2.8	2.8	2.4	2.4	2.6	2.6	2.2	2.6	2.6	2.6	2.6	2.8
Avg of 3 surveys	2.66	2.62	2.5	2.48	2.54	2.55	2.38	2.52	2.52	2.6	2.57	2.64
Weightage of 20% of in direct POs	0.53	0.52	0.5	0.49	0.5	0.51	0.47	0.5	0.5	0.52	0.51	0.52
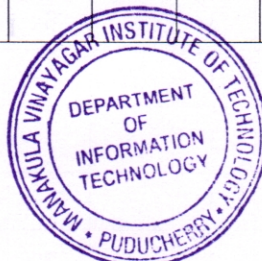
B. Overall Levels of Attainment (16)

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
(DIRECT 80%)	2.2	2.21	2.24	2.23	2.3	2.09	2.16	2.28	2.3	2.24	2.23	2.2
(INDIRECT 20%)	0.53	0.52	0.5	0.49	0.5	0.51	0.47	0.5	0.5	0.52	0.51	0.52
Overall POs Attainment	2.73	2.73	2.74	2.72	2.8	2.6	2.63	2.78	2.8	2.76	2.74	2.72
Target Attainment of POs	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

2014-18 Batch Target Vs PO Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Target	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Attainment	2.73	2.73	2.74	2.72	2.8	2.6	2.63	2.78	2.8	2.76	2.74	2.72
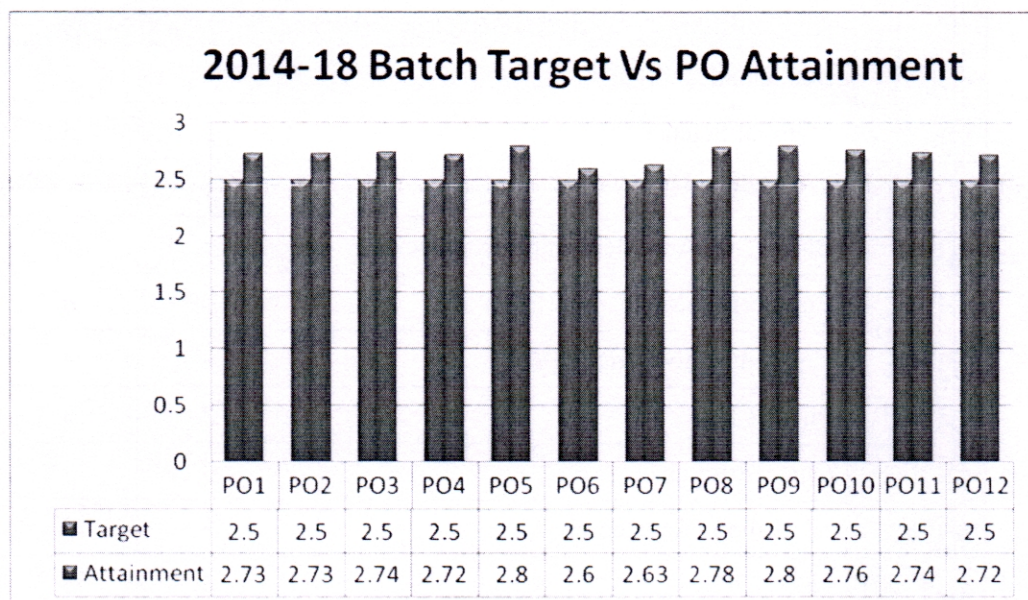
Fig 3.4: Overall POs Attainment for the Batch (2014-2018)

Attainment of PSO – (Batch: 2014-2018)

Course Code	Course Name	PSO1	PSO2
FIRST SEMESTER			
C101	Mathematics-I	3	3
C102	Physics	3	3
C103	Chemistry	3	3
C104	Basic Electrical And Electronics Engineering	0	0
C105	Engineering Thermodynamics	-	-
C106	Computer Programming	0	0
C107(P)	Computer Programming Lab	3	3
C108(P)	Engineering Graphics	3	3
C109(P)	Basic Electrical And Electronics Lab	3	3
SECOND SEMESTER			
C110	Mathematics – II	2	2
C111	Material Science	3	3
C112	Environmental Science	1	-
C113	Basic Civil And Mechanical Engineering	3	3
C114	Engineering Mechanics	0	0
C115	Communicative English	-	-
C116(P)	Physics Lab	3	3
C117(P)	Chemistry Lab	3	-
C118(P)	Workshop Practice Lab	3	3
C119(P)	Nss	3	3
THIRD SEMESTER			
C201	Mathematics-III	3	-
C202	Electronic Devices And Circuits	3	3
C203	Data Structures	3	3
C204	Object Oriented Programming	3	3
C205	Digital System Design	1	1
C206	Computer Organization	3	3
C207(P)	Data Structures Lab	3	3
C208(P)	Electronic Devices And Circuits Lab	3	3
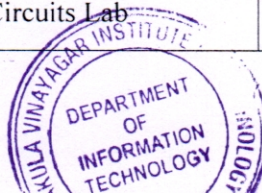
C209(P)	Digital Lab	3	3
FOURTH SEMESTER			
C210	Mathematics-IV	3	-
C211	Communication Engineering I	3	3
C212	Design And Analysis Of Algorithms	3	3
C213	Microprocessors And Microcontrollers	3	3
C214	Java Programming	3	3
C215	System Software	3	3
C216(P)	Algorithms Lab	3	3
C217(P)	Microprocessors And Microcontrollers Lab	3	3
C218(P)	Java Lab	3	3
C219(P)	Physical Education	-	-
FIFTH SEMESTER			
C301	Communication Engineering II	3	-
C302	Software Engineering	3	3
C303	Operating Systems	3	3
C304	Data Base Management Systems	3	3
C305	Theory of Computation	3	3
C306	Computer Hardware And Troubleshooting	3	3
C307(P)	Communication Engineering Lab	3	-
C308(P)	Operating Systems Lab	3	3
C309(P)	Data Base Management Systems Lab	3	3
C310(P)	General Proficiency-I	3	3
SIXTH SEMESTER			
C311	Computer Networks	3	3
C312	Web Technology	3	3
C313	Artificial Intelligence	3	3
C314	Information Coding Techniques	3	3
C315	Object Oriented Analysis And Design	3	3
C316	User Interface Design	3	3
C317(P)	Computer Networks Lab	3	3
C318(P)	Web Technology Lab	3	3
C319(P)	Mini Project	3	3
C320(P)	General Proficiency - II	-	-
SEVENTH SEMESTER			

C401	Mobile Computing	3	3
C402	Web Services And Xml	3	3
C403	Cryptography And Network Security	3	3
C404	Software Testing	3	3
C405	Management Concepts And Strategies	3	-
C406(P)	Mobile Computing Lab	3	3
C407(P)	Web Services And Xml Lab	3	3
C408(P)	Project Work (Phase I)	3	3
C409(P)	Seminar	3	3
C410(P)	Training/Industrial Visit	3	3
EIGTH SEMESTER			
C411	Professional Ethics	-	3
C412	Distributed Computing	3	3
C413	Data Mining	3	3
C414(P)	Project Work (Phase II)	3	3
C415(P)	Comprehensive Viva	3	3
Avg		**2.79**	**2.8**

Batch (2014-18)

PSO Attainment Target is fixed at 2.5

PSO Attainment Level –Direct Assesment

PSOs	PSO1	PSO2
Avg of Direct Assessment	2.79	2.8
Weightage of **80%** of Direct PSO	**2.32**	**2.24**

PSO Attainment Level –InDirect Assesment

SURVEYs	PSO1	PSO2
Student exit survey	2.61	2.3
Alumni survey	2.5	2.45
Employer survey	2.8	2.6
Avg of 2 surveys	2.63	2.45
Weightage of **20%** of indirect PSO	**0.52**	**0.49**
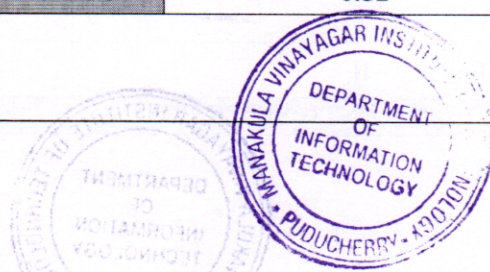
B. Overall Levels of Attainment (16)

PSOs	PSO1	PSO2
(DIRECT 80%)	2.32	2.24
(INDIRECT 20%)	0.52	0.49
OVERALL PSOs Attainment	2.84	2.73
TARGET Attainment of PSOs	2.5	2.5

2014-18 Batch Target Vs PSO Attainment

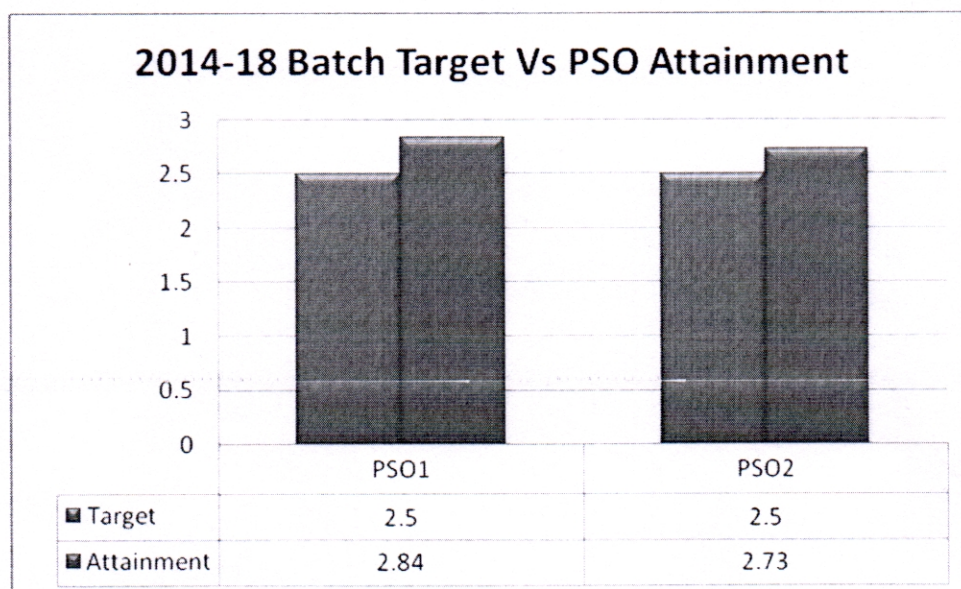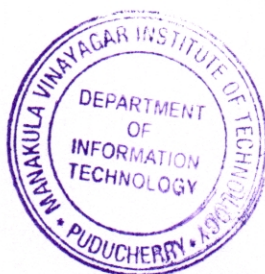|	PSO1	PSO2
■ Target	2.5	2.5
■ Attainment	2.84	2.73

Fig 3.5: Overall PSOs Attainment for the Batch (2014-2018)

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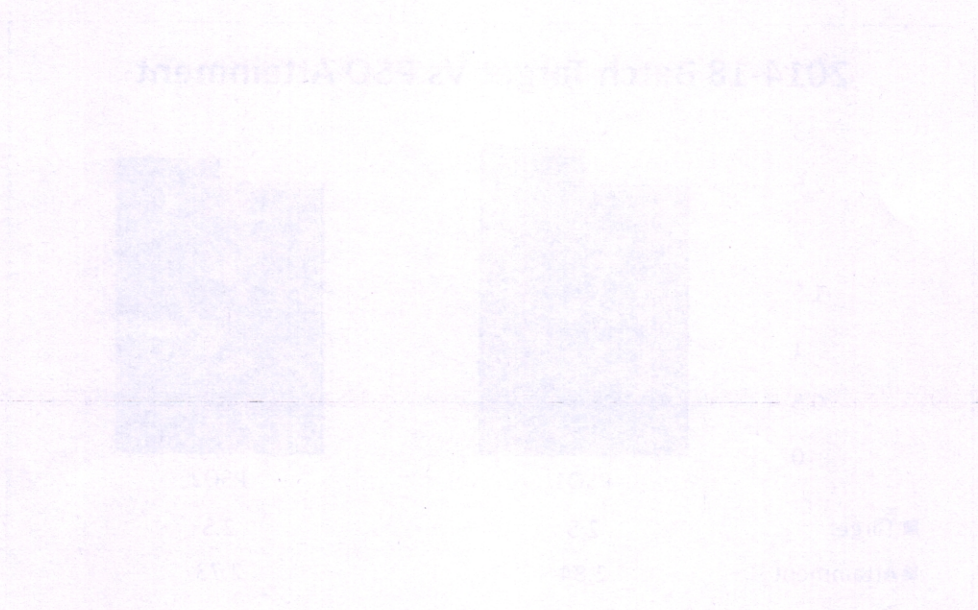Kalitheerthalkuppam, Puducherry - 605 107.

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