
MIT

Academy of
Engineering

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

MIT ACADEMY OF ENGINEERING, ALANDI

Curriculum for

First Year

Bachelor of Technology

Information Technology


NEP REVISION 2023 (2.0)

(With Effect from Academic Year: 2024-2025)

SCHOOL OF COMPUTER ENGINEERING	W. E. F.	:	2024-2025
FIRST YEAR BACHELOR OF TECHNOLOGY (INFORMATION TECHNOLOGY)	RELEASE DATE	:	01/07/2024
	REVISION NO.	:	2.0 (NEP)

SEMESTER: I INFORMATION TECHNOLOGY
2301186 - Universal Human Values (Induction Program)

COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS					C R E D I T	
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT/TUT			T O T A L
			TH	P	TU	IA	MSE	ESE	CA	D/P		
BSC	2301101T	Calculus and Differential Equations	3	-	1	30	20	50	20	30	150	4
BSC	2301104T	Science of Nature	3	-	-	30	20	50	-	-	100	3
	2301104L	Science of Nature Lab	-	2	-	-	-	-	20	30	50	1
ESC	2304101T	Foundations of Computing	2	-	-	15	20	40	-	-	75	2
	2304101L	Foundations of Computing Lab	-	2	-	-	-	-	20	30	50	1
ESC	2303101T	Applied Mechanics	2	-	-	15	20	40	-	-	75	2
	2303101L	Applied Mechanics Lab	-	2	-	-	-	-	20	30	50	1
ESC	2309101T	Design Thinking	1	-	-	15	-	20	-	-	35	1
	2309101L	Design Thinking Lab	-	2	-	-	-	-	20	20	40	1
VSEC	2308161T	Data Driven Modeling	1	-	-	15	-	20	-	-	35	1
	2308161L	Data Driven Modeling Lab	-	2	-	-	-	-	20	20	40	1
CC	2301182	Liberal Learning	-	2	-	-	-	-	-	50	50	1
HSSM IKS	2308181	Indian Knowledge System (Vedic Mathematics)	2	-	-	25	-	50	-	-	75	2
TOTAL			14	12	1						825	21

 MIT Academy of Engineering <small>(An Autonomous Institute Affiliated to Savitribai Phule Pune University)</small>	COURSE STRUCTURE (NEP REVISION 2023)			
	SCHOOL OF COMPUTER ENGINEERING	W. E. F.	:	2024-2025
FIRST YEAR BACHELOR OF TECHNOLOGY (INFORMATION TECHNOLOGY)	RELEASE DATE	:	01/07/2024	
	REVISION NO.	:	2.0 (NEP)	

SEMESTER: II INFORMATION TECHNOLOGY													
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS						C R E D I T	
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT		T O T A L		
			TH	P	T U	IA	MSE	ESE	CA	D/P			
BSC	2301103	Statistics and Integral Calculus	3	-	1	30	20	50	20	30	150	4	
BSC	2301102T	Engineering Physics	2	-	-	15	20	40	-	-	75	2	
	2301102L	Engineering Physics Lab	-	2	-	-	-	-	20	30	50	1	
ESC	2307101T	Electrical and Electronics Engineering	2	-	-	15	20	40	-	-	75	2	
	2307101L	Electrical and Electronics Engineering Lab	-	2	-	-	-	-	20	30	50	1	
ESC	2303101T	Essentials of Data Science	2	-	-	15	20	40	-	-	75	2	
	2303101L	Essentials of Data Science Lab	-	2	-	-	-	-	20	30	50	1	
VSEC	2308162T	Data Visualization	1	-	-	15	-	20	-	-	35	1	
	2308162L	Data Visualization Lab	-	2	-	-	-	-	20	20	40	1	
PCC	2308111T	Discrete Structure	2	-	-	15	20	40	-	-	75	2	
HMMS AEC	2301111/ 2/3/4	Communication Skills (English/German/Japanese/ French)	-	4	-	-	-	-	35	40	75	2	
CC	2307183	Creative Technologies	-	4	-	-	-	-	35	40	75	2	
TOTAL			12	16	1						825	21	

*Two Credit Internships need to be completed after Completion of the First Year.