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**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**

**Computer Engineering  
(Software Engineering)**


**NEP REVISION 2023 (2.0)**

**(With Effect from Academic Year: 2024-2025)**

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

**SEMESTER: I COMPUTER ENGINEERING (SOFTWARE ENGG.)**
**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	2310161T	Linux Fundamentals & Programming	1	-	-	15	-	20	-	-	35	1
	2310161L	Linux Fundamentals & Programming Lab	-	2	-	-	-	-	20	20	40	1
CC	2301182	Liberal Learning	-	2	-	-	-	-	-	50	50	1
HSSM IKS	2310181	Indian Knowledge System (Vedic Mathematics)	2	-	-	25	-	50	-	-	75	2
<b>TOTAL</b>			<b>14</b>	<b>12</b>	<b>1</b>						<b>825</b>	<b>21</b>

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

SEMESTER: II COMPUTER ENGINEERING (SOFTWARE ENGG.)													
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	2310162T	Data Visualization	1	-	-	15	-	20	-	-	35	1	
	2310162L	Data Visualization Lab	-	2	-	-	-	-	20	20	40	1	
PCC	2310111T	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	
<b>TOTAL</b>			<b>12</b>	<b>16</b>	<b>1</b>						<b>825</b>	<b>21</b>	

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