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**MIT**

Academy of  
Engineering

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

**MIT ACADEMY OF ENGINEERING, ALANDI**

**Curriculum for  
Second 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>SECOND YEAR BACHELOR OF TECHNOLOGY (COMPUTER ENGINEERING (SOFTWARE ENGINEERING))</b>	<b>RELEASE DATE</b>	<b>:</b>	<b>01/07/2024</b>
	<b>REVISION NO.</b>	<b>:</b>	<b>2.0 (NEP)</b>

**SEMESTER: III (COMPUTER ENGINEERING (SOFTWARE ENGINEERING))**

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	TU	IA	MSE	ESE	CA	D/P		
PCC	2304212T	Data Structures	3	-	-	30	20	50	-	-	100	3
PCC	2304214L	Programming Lab	-	4	-	-	-	-	35	40	75	2
PCC	2304217T	Computer Organization & Architecture	1	-	-	10	-	40	-	-	50	1
	2304217L	Computer Organization & Architecture Lab	-	2	-	-	-	-	-	25	25	1
PCC	2304218T	Computer Graphics	2	-	-	15	20	40	-	-	75	2
	2304218L	Computer Graphics Lab	-	2	-	-	-	-	20	30	50	1
VSEC	2304261L	Problem Solving Using OOP (C++)	-	4	-	-	-	-	35	40	75	2
	2304262L	Problem Solving Using OOP (Java)	-	4	-	-	-	-	35	40	75	2
HSSM MEC	2301276	Entrepreneurship Skills	2	-	-	35	-	40	-	-	75	2
HSSM VEC	2301287	Universal Human Values-II	1	4	-	-	-	25	-	75	100	3
OE	2311251	Prototyping	-	4	-	-	-	-	35	40	75	2
	*OE Annexure List	Open Elective Course	2	-	-	35	-	40	-	-	75	2
ELC PRJ	2310291	Minor Project Design	-	2	-	-	-	-	20	30	50	1
ELC SI	2310296	Internship (Life And Soft Skills)	-	-	-	-	-	-	-	75	75	2
<b>TOTAL</b>			<b>11</b>	<b>22</b>							<b>825</b>	<b>22</b>



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	<b>REVISION NO.</b>	<b>:</b>	<b>2.0 (NEP)</b>

**SEMESTER: IV (COMPUTER ENGINEERING (SOFTWARE ENGINEERING))**

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		
PCC	2304219T	Advanced Data Structures	2	-	-	15	20	40	-	-	75	2
	2304219L	Advanced Data Structures Lab	-	2	-	-	-	-	20	30	50	1
PCC	2304216T	Database Management System	3	-	-	30	20	50	-	-	100	3
	2304216L	Database Management System Lab	-	2	-	-	-	-	20	30	50	1
PCC	2304220T	Theory of Computation	3	-	-	30	20	50	-	-	100	3
VSEC	2304268L	Discipline Skill Develop. Course - Core Java	-	4	-	-	-	-	35	40	75	2
	2304269L	Discipline Skill Develop. Course - Advance Java										
MDM	2307232T	Engineering Informatics (MDM-I)	2	-	-	15	20	40	-	-	75	2
	2307232L	Engineering Informatics Lab	-	2	-	-	-	-	20	30	50	1
OE	2301254T	Applied Mathematics	3	-	-	30	20	50	-	-	100	3
	*OE Annexure List	Open Elective Course										
	2301254L	Applied Mathematics Lab	-	2	-	-	-	-	20	30	50	1
	*OE Annexure List	Open Elective Course Lab										
HSSM VEC	2301286	Environmental Science	2	-	-	35	-	40	-	-	75	2
ELC PRJ	2310292	Minor Project Implementation	-	2	-	-	-	-	20	30	50	1
Audit	2301281	Indian Constitution	1	-	-	-	-	-	-	-	Audit	
<b>TOTAL</b>			<b>15</b>	<b>14</b>	<b>-</b>						<b>850</b>	<b>22</b>