

**VIT Academy of Engineering**  
**An autonomous institute affiliated to Savitribhai Phule Pune University**

**CURRICULUM FRAMEWORK (ELECTRONICS ENGINEERING)**

<b>MIT</b>   Academy of Engineering (An Autonomous Institute)			<b>COURSE STRUCTURE (2016 - 2018)</b>			
<b>DEPARTMENT OF ELECTRONICS ENGINEERING</b>			<b>W.E.F</b>	:	<b>2016-17</b>	
<b>FY MTECH</b>			<b>RELEASE DATE</b>	:	<b>1/05/2016</b>	
			<b>REVISION NO.</b>	:	<b>0.0</b>	
<b>TRIMESTER: I</b>						
SL No.	COURSE TYPE	COURSE CODE	COURSE	TEACHING SCHEME		
				L	T	CREDIT
1.	PC1	AE501	Computing and Mathematics	2	2	4
2.	PC2	CS501	Management System	2	2	4
3.	PC3	CS502	Modern Technologies	2	2	4
<b>TOTAL</b>				<b>06</b>	<b>06</b>	<b>12</b>
<b>TRIMESTER: II</b>						
SL No.	COURSE TYPE	COURSE CODE	COURSE	TEACHING SCHEME		
				L	P	CREDIT
1.	PC4	EX501	Research Methodology	2	-	2
2.	DC1	EX511	Advance Embedded Architecture & Processor	3	2	4
3.	DC2	EX512	Analog CMOS Design	3	2	4
<b>TOTAL</b>				<b>08</b>	<b>04</b>	<b>10</b>
<b>TRIMESTER: III</b>						
SL No.	COURSE TYPE	COURSE CODE	COURSE	TEACHING SCHEME		
				L	P	CREDIT
1.	PC5	EX502	Technical Writing	2	-	2
2.	DC3	EX521	Real Time Operating System & Design	3	2	4
3.	DC4	EX522	Digital CMOS Design	3	2	4
4.	DC5	EX523	Project Work - I	-	4	2
<b>TOTAL</b>				<b>08</b>	<b>08</b>	<b>12</b>



*[Signature]*  
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DEPARTMENT OF ELECTRONICS ENGINEERING		W.E.F	:	2017-18		
SY MTECH		RELEASE DATE	:	1/08/2017		
		REVISION NO.	:	0.0		
TRIMESTER: IV						
SL No.	COURSE TYPE	COURSE CODE	COURSE	TEACHING SCHEME		
				L	P	CREDIT
1.	DC6	EX036	Elective course I – Refer Annexure	3	—	3
2.	DC7	EX046	Elective course II – Refer Annexure	3	—	3
3.	DC8	EX001	Project Work - III	—	08	4
TOTAL				06	08	10
TRIMESTER: V						
SL No.	COURSE TYPE	COURSE CODE	COURSE	TEACHING SCHEME		
				L	P	CREDIT
1.	DC9	EX011	Project Work - III	—	20	10
TOTAL				—	20	10
TRIMESTER: VI						
SL No.	COURSE TYPE	COURSE CODE	COURSE	TEACHING SCHEME		
				L	P	CREDIT
5.	DC10	EX021	Project Work - IV	—	20	10
TOTAL				—	20	10



  
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 School of Distance Engineering  
 MIT Academy of Engineering  
 Bangalore, Karnataka  
 2017-18

CREDITS					
1 Lecture hour = 1 Credit 2 Lab Hours = 1 Credit 1 Tutorial Hour = 1 Credit					
SL. NO.	YEAR	TRIMESTER			TOTAL
		1	2	3	
1.	First Year	12	10	12	34
2.	Second Year	10	10	10	30
TOTAL					64

CONTACT HOURS					
SL. NO.	YEAR	TRIMESTER			TOTAL
		1	2	3	
1.	First Year	12	12	16	40
2.	Second Year	14	20	20	54
TOTAL					94

### Assessure

Elective Course I : 1 Course		
Sl. No.	Course Code	Course
1	EX631	Embedded Network Design
2	EX632	Distributed System
3	EX633	Optimal Control

Elective Course B : 1 Course		
Sl. No.	Course Code	Course
1	EX641	Image Processing
2	EX642	ASIC Design
3	EX643	Reconfigurable computing



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