

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI
Two Year Post Graduate Degree Program in Master of Engineering
Branch: Digital Electronics
Semester Pattern (Choice Based Credit Grade System)

SEMESTER: I																		
Sr. No.	Subject Code	Subject	Teaching Scheme					Examination Scheme										
			HOURS/WEEK			Total HOURS/WEEK	CREDITS	THEORY						PRACTICAL				
			LECTURE	TUTORIAL	P/D			Durati on of paper (Hrs)	Max. Marks Theory Paper	Max Marks	Total	Min Passing	Max. Marks		Total	Min. Passing Marks		
													College	Subject			Int.	Ext.
Theory																		
01	1UMEF1	Advanced Digital Signal Processing	3	..	..	3	3	3	80	20	100	50					
02	1UMEF2	Advanced Microcontroller	3	..	..	3	3	3	80	20	100	50	..	..	..	..	..
03	1UMEF3	PSE (Elective-I)	3	..	..	3	3	3	80	20	100	50	..	..	..	..	..
04	1UMEF4	PSE (Elective-II)	3	..	..	3	3	3	80	20	100	50	..	..	..	..	..
05	1UMEF5	Lab 1 (Advanced Digital Signal Processing)		..	2	2	2	25	25	50	25
06	1UMEF6	Lab 2 (Advanced Microcontroller-Lab)		..	2	2	2	25	25	50	25
07	1UMEF7	Research Methology & IPR	2			2	2								50		50	25
08	1UMEF8	Audit course 1	2			2		..	--	--	--	--		--		..		
Total			16	..	4	20	18	..	..	..	400	..	..	..	..	150	..
														Total	550			

1UMEF3: Elective I: i) Advanced Computer Architecture ii) Advanced Optical Communication iii) Wireless Sensor Networks & Applications
1UMEF4: Elective II: i) Digital Communication Techniques ii) Digital Design & Verification iii) Wireless and Mobile Communication

1UMEF8: Audit Course 1: i) Counstitution of India ii) Value Education iii) Personality Development through Life ENLIGHTENMENT SKILLS

SEMESTER: II																			
Sr. No.	Subject Code	Subject	Teaching Scheme					Examination Scheme											
			HOURS/WEEK					Total HOUR S/WEE	CREDI	THEORY					PRACTICAL				
			LEC	TU	RE	TUT	P/D			Durati on of	Max. Marks	Max Marks College	Total	Min Passi		Max. Marks		Total	Min. Passing
														Subject	Int.	Ext.	Int.			Ext.
01	2UMEF1	Real Time Embedded System	3	..	..	3	3	3	80	20	100	50					
02	2UMEF2	Digital Image Processing & Applications	3	..	..	3	3	3	80	20	100	50	..	..	..	..	..
03	2UMEF3	PSE (Elective-III)	3	..	..	3	3	3	80	20	100	50	..	..	..	..	..
04	2UMEF4	PSE (Elective-IV)	3	..	..	3	3	3	80	20	100	50	..	..	..	..	..
05	2UMEF5	Lab 1 (Real Time Embedded System)		..	2	2	2	25	25	50	25	
06	2UMEF6	Lab 2 (Digital Image Processing & Applications)		..	2	2	2	25	25	50	25	
	2UMEF7	Technical Paper Writing	2			2	2								50	..	50	25	
08	2UMEF8	Audit course 2	2			2		..	--	--	--	--		--	--	..	--	--	
Total			16	..	4	20	18	400	150	..	
															Total	550			

2UMEF3: Elective III: i) Parallel Processing ii) Artificial Intselligent System iii) High Speed Digital System Design

2UMEF4: Elective IV: i) Internet of Things & Applications ii) Pattern Recongnition & Machine Learning iii) Modern Electronics Design Systems

2UMEF8: Audit Course 2: i) English for Research Paper Writing ii) Sanskrit for Technical Knowledge iii) Pedagogy Studies

SEMESTER: III																			
Sr. No.	Subject Code	Subject	Teaching Scheme					Examination Scheme											
			HOURS/WEEK					Total HOUR S/WEE	CREDI	THEORY					PRACTICAL				
			LEC	TU	RE	TUT	P/D			Durati on of	Max. Marks	Max Marks College	Total	Min Passing		Max. Marks		Total	Min. Passing
														Subject	Int.	Ext.	Int.			Ext.
Theory																			
01	3UMEF1	PSE (Elective-V)	3	..	..	3	3	3	80	20	100	50					
02	3UMEF2	Open Elective	3	..	..	3	3	3	80	20	100	50	..	..	..	..	..
05	3UMEF3	Dissertation (Phase -I)@		..	6	6	6	100		100	50	
Total			6	..	6	12	12	200	100	..	

300

3UMEF1: Elective V: i) Random Processes ii) Cloud Computing iii) Random Process

3UMEF2: Open Elective : i) Operation Reaseach ii) Cost management & Engg Projects iii) e Waste Management
 Dissertation (Phase -I)@: Seminar on Project- 4 Credits, Survey Paper Publishing - 2 Credits

SEMESTER: IV																			
Sr. No.	Subject Code	Subject	Teaching Scheme					Examination Scheme											
			HOURS/WEEK					Total HOUR S/WEEK	CREDI	THEORY					PRACTICAL				
			LEC	TU	RE	TUT	P/D			Durati on of	Max. Marks	Max Marks College	Total	Min Passing Subject	Max. Marks		Total	Min. Passing	
															Int.	Ext.			
Theory																			
05	4UMEF1	Dissertation (Phase -II)		..	12	12	18	..	..		..	..		..	100	200	300	150
Total			6	..	12	12	18	..	..		..		..		..	300	300	..
																Total	300		

Summary of Marks & Credits					
Year	Semest er	Sem Marks	Yearly Marks	Sem Credits	Yrly Credits
First Year	I	550	1100	18	36
	II	550		18	
Second Year	III	300	600	12	30
	IV	300		18	
Total		1700		66	