Function name	MTIM1_vInit			
	Input none			
Arguments	Output	<u> </u>		
Return	none			
Description	Initialization of timer 1			
Description		IIIIIIII	Zation of time 1	
Function name		MTIM1_	vSetCounterValue	
Arguments	Input	A_u16CNT_Value	The counter value	
Arguments	Output		none	
Return			none	
Description	This fuct	ion is responsible for	load the counter register with the desired value	
Function name		MTIM1	vSetPrescalerValue	
	Input	A u16PSC Value	Prescaling value	
Arguments	Output	_ : :: : _ : ::::::	none	
Return	T T T		none	
Description	Т	his fuction is responsi	ble for setting the prescaler value	
			or an adming that provides a state of	
Function name	MTIM1_vSetAutoReloadValue			
	Input	A_u16PSC_Value	Autoreloaded Prescaling value	
Arguments	Output		none	
Return	none			
Description	This fuction is responsible to auto reload the prescaler value			
Function name			SetRepetitionValue	
Arguments	Input	A_u8RCR_Value	Repetition value	
- Inguments	Output		none	
Return			none	
Description	This fuction is responsible to set the repetition value			
-		) (TT) (1 G	C D IVI	
Function name		MTIM1_vSetCompareReg1Value		
	Input	A_u16CCR1_Value	The value to be loaded in the actual	
Arguments	_		capture/compare 1 register	
	Output		none	
Return			none	
Description	This fuction is responsible to compare the preloded value with the counter value			
Properti		\ <i>M</i> TT\ <i>1</i> 112	CotContinuoDog1Wales	
Function name	MTIM1_u16GetCaptureReg1Value			
Arguments	Input		none	
	Output		none	
Return			none	
Description	This fuction is responsible to get the capture value of reg 1			

unction name	MTIM1_vSetCompareReg2Value		
Arguments	Input	A_u16CCR2_Value	The value to be loaded in the actua capture/compare 2 register
1 in gameines	Output		none
Return	none		
D : .:	This fuction is responsible to compare the preloded value in reg2 v		
Description	the counter value		
inction name		MTIM1_u16	GetCaptureReg2Value
Arguments	Input		none
Arguments	Output		none
Return			none
Description	This fuction is responsible to get the capture value of reg 2		
	Ţ.		
inction name		MTIM1_vS	etCompareReg3Value
Arguments	Input	A_u16CCR3_Value	The value to be loaded in the actual capture/compare 3 register
	Output		none
Return	none		
Description	This fuction is responsible to compare the preloded val		compare the preloded value in reg3 wi
Description	the counter value		
<del>.</del>	ī	) (TDD 11 12	C.C. D. W.I
inction name	-	MTIMI_u16	GetCaptureReg3Value
Arguments	Input		none
	Output none		
Return	none		
Description	This fuction is responsible to get the capture value of reg 3		
ınction name		MTIM1 vS	etCompareReg4Value
inction name			The value to be loaded in the actua
Arguments	Input	A_u16CCR4_Value	capture/compare 4 register
Tingoments	output		none
Return	none		
	This fuction is responsible to compare the preloded value in reg4 with		
Description	the counter value		

Function name	MTIM1_u16GetCaptureReg4Value	
Arguments	Input	none
	Output	none
Return	none	
Description	This fuction is responsible to get the capture value of reg4	

Function name	MTIM1_vGeneratePWM		
Arguments	Input	A_u8T1CHx	Timer 1 channel
		A_u8PWM_Mode	The pwm selected mode
		A_u8CenterMode	Center-aligned mode selection
		A_u16PSC_Value	prescaling value
		A_u16ARR_Value	Timer auto reload value
		A_u16CCRx_Value	Compare counter register value
	Output	none	
Return	none		
Description	This fuction is responsible for generating PWM signal		

Function name	MTIM1_vReadPWM	
Arguments	Input	none
	Output	none
Return	none	
Description	This function is responsible for reading PWM signal	

Function name	MTIM1_vEnableCounter		
Arguments	Input	none	
	Output	none	
Return	none		
Description	This function is responsible for enabling counter		

Function name	MTIM1_vDisableCounter	
Arguments	Input	none
	Output	none
Return	none	
Description	This function is responsible for disabling counter	