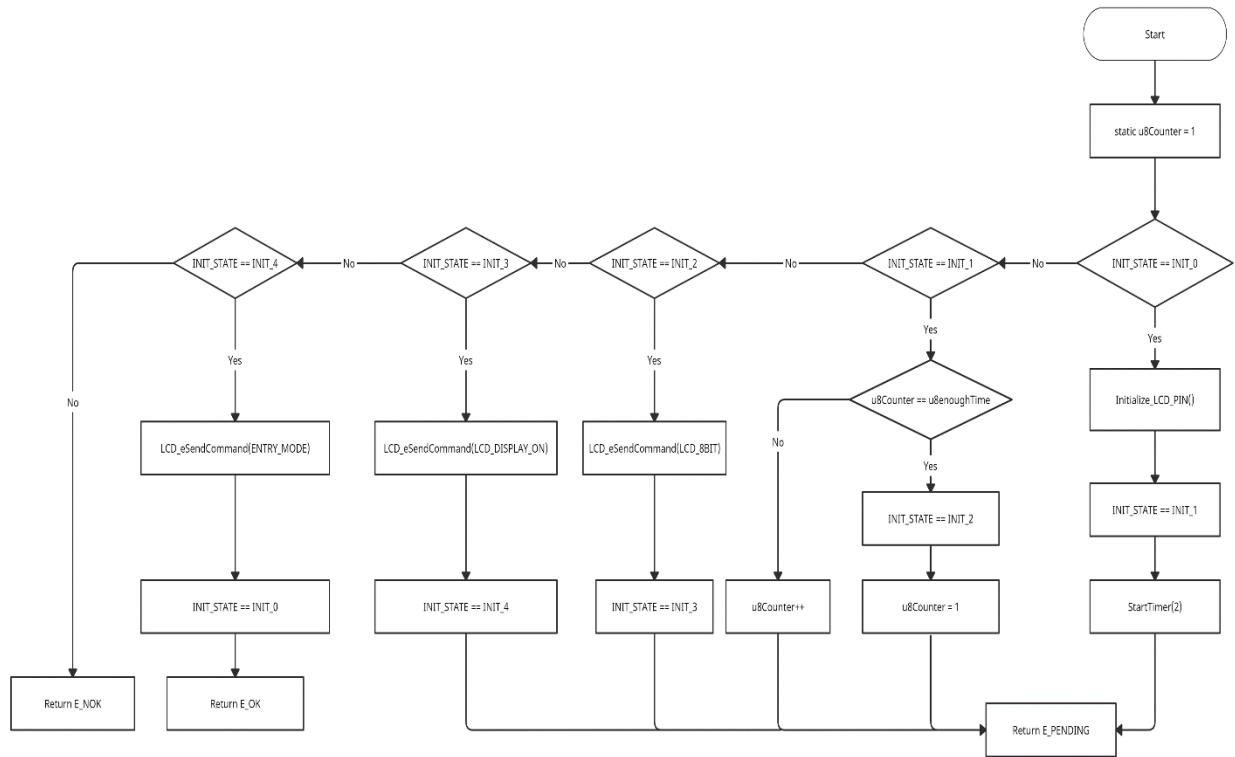


APIs and Flow Chart for
Non-Blocking Driver for LCD
(**Heba Ramadan Taha**)

LCD_eInit API

Function Name	LCD_eInit(void)		
Arguments	Inputs	N/A	
		description:	
	Outputs	N/A	
		description:	
	Input/Output	N/A	
		description:	
Return	E_OK	0	
	E_NOK	1	
	E_PENDING	2	
Description	Call this API to initialize LCD (periodic with timer every 2ms) till end of initialization.		



LCD_eSendCommand API

Function Name	LCD_eSendCommand(u8 u8cmdcpy)		
Arguments	Inputs	u8cmdcpy	enumeration
		description: a copy of the command to send to the lcd	
	Outputs	N/A	
		description:	
	Input/Output	N/A	
		description:	
Return	E_OK	0	
	E_NOK	1	
	E_PENDING	2	
Description	Call this API to send command to set LCD		

Name	u8cmdcpy	
Type	enumeration	
Rang	LCD_8BIT	0
	LCD_DISPLAY_ON	1
	LCD_CLEAR	2
	LCD_ENTRY_MODE	3
Description	These values are the commands to be sent to the lcd .	

LCD_eSendChar API

Function Name	LCD_eSendChar(u8 u8charcpy)		
Arguments	Inputs	u8charcpy	u8
		description: a copy of the Data to send on the lcd	
	Outputs	N/A	
		description:	
	Input/Output	N/A	
		description:	
Return	E_OK	0	
	E_NOK	1	
	E_PENDING	2	
Description	Call this API to send Data on LCD		

Name	u8charcpy
Type	u8
Rang	{0 ,...,127}
Description	The decimal representation of ASCII code.