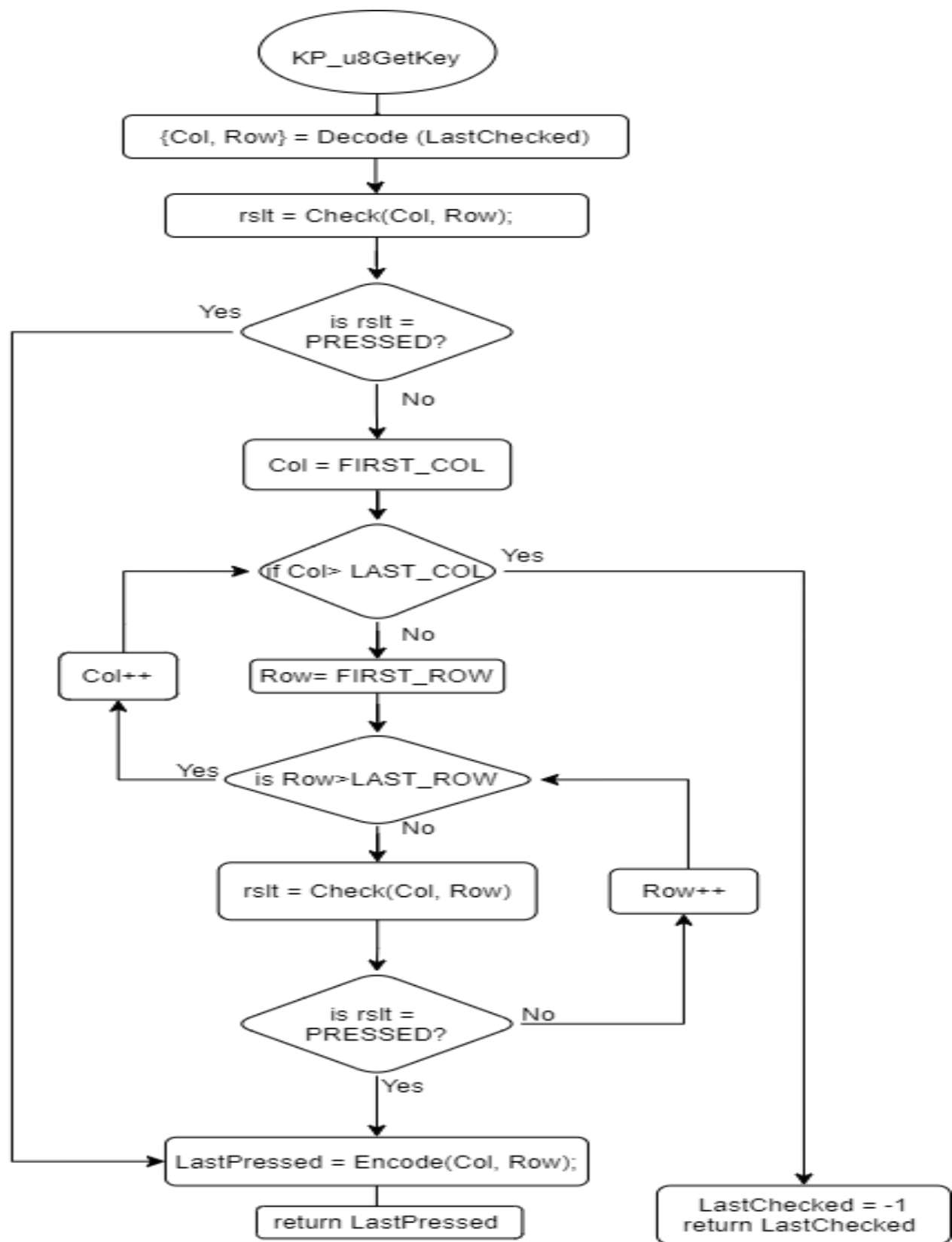


Flow Chart for
Non-Blocking Driver for Keypad
(Ahmed Maged)

KP_GetKey fn

Function Name	KP_u8Key(u8* u8KeyID)		
Arguments	inputs	N/A	
		description:	
	outputs	u8KeyID	u8*
		description: enum {-1,0,...,15}	
	input/output	N/A	
		description:	
Return	E_OK	0	
	E_NOK	1	
Description	used to get the pressed key		

Name	u8KeyID
Type	u8
Range	{ -1, ..., 15 }
Description	from 0 to 15 are Keys IDs, -1 for None Pressed



Private fn Check(Col, Row)

Function Name	Check(Col, Row)		
Arguments	inputs	Col	const u8
		description: the column number	
		Row	const u8
		description: the row number	
	outputs	N/A	
		description:	
	input/output	N/A	
		description:	
Return	E_OK	0	
	E_NOK	1	
Description	used to get the pressed key		

Name	Col
Type	u8
Range	{ 0, ..., 3}
Description	the Column pins

Name	Row
Type	u8
Range	{ 4, ..., 7}
Description	the Column pins

