RESEARCHING PROJECT
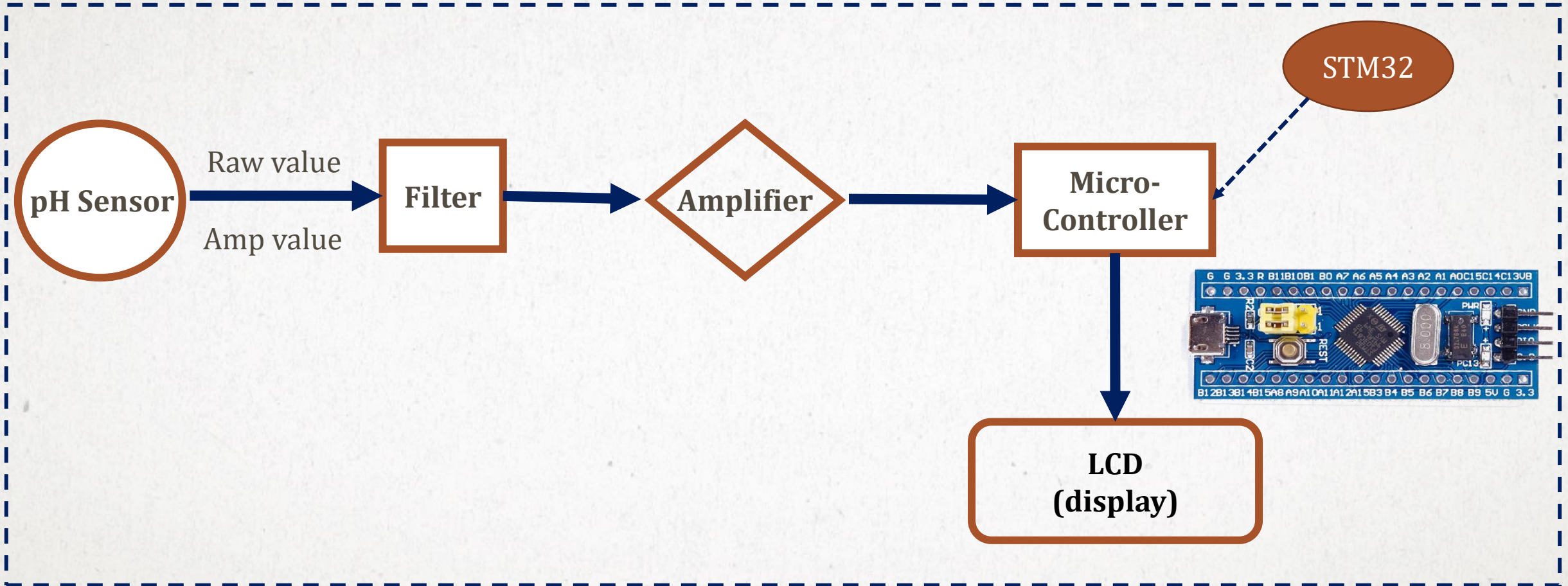## " SOIL PH METER DESIGN "

[1ST WEEK REPORT]

LECTURER: HEL CHANTHAN
BY: NHIM CHANRENGSEY

2019-2020

OUTLINE

1. Hardware Diagram
2. Working Plan
3. Planning for 1st Month
4. Planning for 2nd Month

1. HARDWARE DIAGRAM

2. WORKING PLAN

We will...

➢ Learn design Filter
➢ Learn design Amplifier
➢ Choose pH sensor and LCD
➢ Learn C program
➢ Learn use STM32
➢ Write code for configure pH sensor and LCD to STM32
➢ Get data from sensor to LCD
➢ Build Box/Case for hardware(fusion 360)

3. PLANNING FOR 1ST MONTH

Week	Monday	Tuesday	Wednesday	Thursday	Friday	Goal
1st Week	Research	Meeting	Learn Amplifier	Presentation	Learn Filter	Learn Filter
2nd Week	Learn Filter	Learn Filter	Learn Amplifier	Learn Amplifier	Learn Amplifier	Learn Amplifier
3rd Week	Build Filter pH & LCD	Meeting Build Filter	Filter Build filter	Presentation Build Amp	Build Amplifier	Design Amplifier
4th Week	Build Amplifier	Meeting Learn stm32	Learn STM32 Test LCD/pH	Presentation Write Code	Write Code STM32	Start STM32

Start : *10/08/2020*

4. PLANNING FOR 2ND MONTH

Week	Monday	Tuesday	Wednesday	Thursday	Friday	Goal
1st Week	**Write Code STM32**	**Meeting Write Code**	**Write Code STM32**	**Presentation Write code**	**Finish STM32 Code**	**Finish STM32 Code**
2nd Week	**Draw case for hardware**	**Meeting Draw case**	**Draw case for hardware**	**Presentation Draw case**	**Print 3D case**	**Build case Finish Job**
3rd Week		**Meeting**		**Presentation**		
4th Week		**Meeting**		**Presentation**		

Start : *06/09/2020*

THANK YOU