

# Software Requirements for XM-Pro PLC

## Milestone – 5

### v1.0

#### Features:

1. Printing Option Implementation

Software Requirements for XM-Pro PLC-Milestone 5	<u>Author</u>	Sagar Gupta	<u>Date</u>	24 November 2021
	<u>Reviewed By</u>	Chandrashekhar Joshi	<u>Rev. No.</u>	1
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Author

Sagar Gupta

Date

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## Software Level 5 Requirement: (Printing option implementation)

Objective is to give the printing option of whole program with configuraton settings.

### UI Requirement:

In “Project” menu options of “Print” & “Print Preview” should be added.

- 1.1. New Project
- 1.2. Open Project
- 1.3. Save Project
- 1.4. SaveAs Project
- 1.5. Print
- 1.6. Print Preview
- 1.7. Page Setup
- 1.8. Exit

- Above 3 options should only enable after only if any project should open.

A. In “Page Setup” option after click --- One Page setup page will appear where user can able to select the following:

1. Paper
  - a. Orientation (default -Portrait)
  - b. Format (Default-A4)
  - c. Quality (Default-High)
2. Margin
  - a. Top (default-2.5cm)
  - b. Right (default-2.5cm)
  - c. Left (default-2.5cm)
  - d. Bottom (default-2.5cm)
3. Header & Footer Text
  - a. Header text & alignment (default – Main Application Program)
  - b. Footer text & alignment (default- project name, date & page no.)
4. Title Page
  - a. Title Page Text & Alignment With Font settings

Project documentation (editable)

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Project name- (default -Project name) (editable)

Customer name- (default -blank)

Date-(default- current date) (editable)

Profile- XMPS-100 (editable)

B. In “Print” option there will be standard popup screen should display

1. Printer selection

- a. Available printers
- b. Microsoft print to PDF
- c. Microsoft print to jpg

2. Print range

- a. All
- b. Selection (from page - To page)

3. Copies

- a. No. of copies
- b. Back to back print Enable disable

4. All black & white / Coloured selection

C. In “Print Preview” option there should be preview of printing page with selected settings.

1. Zoom In / Out

2. Page select

3. Print

Printing sequence :

1. Project Title Page
2. I/O configuration
3. COM settings
4. Ethernet Settings
5. Memory address list
6. Application Logic
7. Modbus RTU master
8. Modbus TCP Server
9. Modbus TCP client

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