COURSE : AUTOMATION USING PLC  
CODE : IP0254  
TIME INTENSITY : 1 hour/week  
MODALITY : Laboratory  
PRE-REQUIREMENTS : IP0250  
CO-REQUIREMENTS : None  
CREDITS : 1 credit

1. GENERAL OBJECTIVE:

Design, develop and implement an automation system using the technology of PLC

2. CONTENTS:

• Presentation  
• Combinational Circuits  
• Counters and timers  
• Simatic Step 7  
• Finite State Machines  
• Management of analog inputs / outputs  
• Management of data blocks  
• ON-OFF Controller  
• PID controller

3. EVALUATION:

Workshops  
MEF Workshop  50%  
PID Workshop  25%  
Follow up  20%  
Final work  30%

4. BIBLIOGRAPHY:

Support documents in EAFIT Interactiva.