MAS DATA TECHNOLOGIES

INDUSTRY READY ENGINEERS (INTERNSHIP FOR EEE/ ECE/ MECHATRONICS/ EIE)

Syllabus:

EMBEDDED COURSE-

1. WHAT IS MEANT BY EMBEDDED SYSTEMS?
2. BASIC ELECTRONICS AND EXPLANATION
3. HOW TO CHOOSE MICROCONTROLLER

MICROCONTROLLER INTERFACING -

1. LED INTERFACING
2. 7 SEGMENT DISPLAY INTERFACING
3. LCD INTERFACING
4. TIMER/COUNTER
5. INTERRRUPT
6. PWM
7. UART
8. ADC INTERFACING
9. SPI INTERFACING
10. I2C INTERFACING
11. CAN MODULE INTERFACING
12. COMPARATOR MODULE INTERFACING
13. BUTTON (OR) SWITCH INTERFACING
14. EEPROM

APPLICATION-

1. KEYPAD INTERFACING
2. BLUTOOTH INTERFACING
3. GSM INTERFACING

4. ZIGBEE INTERFACING
5. SENSOR INTERFACING

PCB DESIGNING-

1. PCB NEED
2. SCHEMATIC DIAGRAM
3. PCB DESIGNING(Single & double side layer)
4. HOME MADE PCB ETCHING

Short Time Internship in Multiple Software-

Syllabus:

1. Basics of Electronics and its components
2. Designing and Simulating Circuits
3. PCB Designing and Hand-made PCB manufacturing
4. Troubleshooting of Components
5. C programming
6. Embedded C with basic Concepts
7. Designing and simulation of Embedded Controller using Proteus
8. MATLAB/LABVIEW software for industrial oriented project.
9. Basics of Internet of Things
10. Real time mini project
11. Main project supporting