ADNAN MENDERES UNIVERSITY
Faculty of Engineering
Electrical and Electronics Engineering

EE312 MICROPROCESSORS LABORATORY

EXP 1: Using Keil Mvision And Proteus Software.

Preliminary Work:
1. What is a microcontroller and what does it do? Explain how does it work.

2. What are the differences between the microcontroller and microprocessors?

Laboratory Work:

1. Write the given simple assembly codes and run them. Explain what does the given assembly codes do.

```
ORG 00H
        MOV R0, #5H
        MOV R1, #3H
        MOV A,R1
        ADD A,R0
END
```

```
ORG 00H
        MOV R0, #5H
        INC R0
END
```

2. Run the given project1 by using Proteus software and explain what the purpose of this project may be (Proteus file and hex file are given). Do you think there is any problem with the coding or the circuit? If there is, what? Explain

3. Run the given project2 by using Proteus software and explain what the purpose of this project may be (Proteus file and hex file are given). Do you think there is any problem with the coding or the circuit? If there is, what? Explain