

## **7.9 METHOD TO DESIGN A MICROCONTROLLER-BASED SYSTEM**

1. *Define the problem*
2. *Draw a functional diagram*
3. *Identify I/O requirements*
4. *Select appropriate microcontroller models*
5. *Identify necessary interface circuits*
6. *Decide on a programming language*
7. *Draw the schematic*
8. *Draw a program flowchart*
9. *Write the code*
10. *Build and test the system*