



Project Proposal

CSE331.3

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Submitted to: **Mr. Rishad Arfin**

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Title: PIC Based Ultrasonic Radar System

Objective: Objective of this project is to implement a Radar System using ultrasonic sensor which is based on Peripheral Interface Controller. The goal is to detect any unwanted object/people in a particular area and the location as well.

Application: This electromagnetic system can be used for detecting and locating of target objects such as aircraft, ships, spacecraft, vehicles, people in sensitive area, for instance near the border.

Block Diagram:

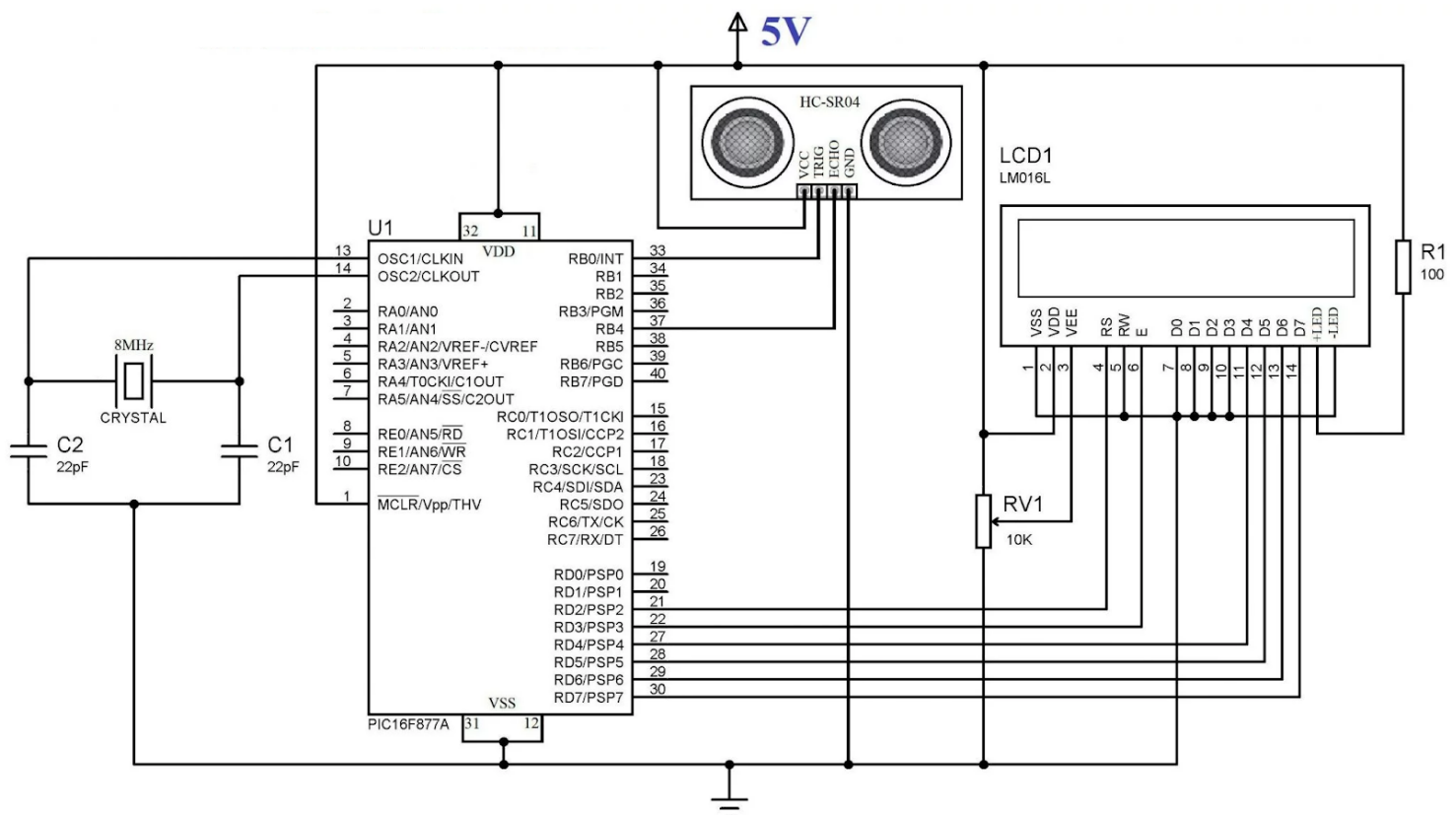


Fig: Circuit Diagram of PIC Based Ultrasonic Radar System

List of components:

- PIC 16F877A microcontroller
- HC-SR04 Ultrasonic Module
- HD44780 LCD Display
- Registers
- Capacitors
- 9V Power Source