



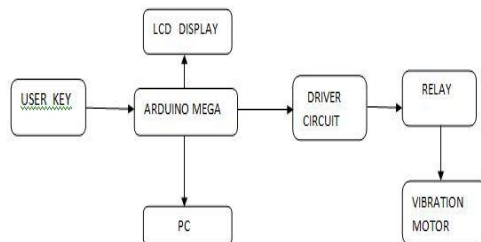
Dr. N.G.P. INSTITUTE OF TECHNOLOGY

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DEPARTMENT OF BIOMEDICAL ENGINEERING

Screening of Foot Ulcer Diabetic Neuropathy

BLOCK DIAGRAM DESCRIPTION:



MOTOR REPLACEMENT IN FOOT:



Description of the Project:

- The diabetes mellitus is becoming a great threat to mankind where 25% of the diabetic individuals will easily develop foot ulcer during their lifetime. Untreated case of foot ulcer leads to Amputation in patients.
- In this proposed work, the investigation of foot ulcer is carried out by the vibratory motors. The pressure can be calculated by placing motors at different points (10 points) which produce vibration. The pressure value of the abnormal foot is obtained and listed for an array of ten regions under the foot.
- This method complies with early detection of the wound and its severity level. LabVIEW software is used. This proposed project gives the complete information to examine the foot ulcer which is highly required in hospitals.

Tools Used: Vibratory motor, Pressure Sensor, LabVIEW

Project Guide

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