

*International Conference on***PHARMACEUTICAL AND BIOMEDICAL ENGINEERING***October 16-17, 2017 Osaka, Japan***Non-invasive glucometer****Amina Khan and Maham Rehman**

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**D**iabetes mellitus most commonly known as diabetes has been an on-going issue around the world over for a long time now and the quantity of diabetics is relied upon to ascend to 366 million universally by 2030. One of the measures of controlling this illness is day by day observing of glucose level. The most widely recognized strategy for blood glucose level estimation includes pricking the finger which when done each day can be very agonizing. Consequently, a non-obtrusive glucose observing gadget is an appreciated option. The non-intrusive blood glucose meter planned and manufactured in this examination made out of a circuit comprising two LEDs of a similar wavelength (Drove match) with one acting as emitter and other as detector. Two different set of experiments were performed, which depicted that with the increase of the concentration of glucose in blood the average power of the resultant signal acquired increased consistently. Regression can be made of the acquired results to relatively calculate the output.

**Biography**

Amina Khan has completed her Biomedical Engineering from Riphah International University, Islamabad, Pakistan in 2017. She has participated in different semester projects held under IEEE.

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