















































































- [9] A. M. Zungeru and I. G. Kelechi, “*Design and Construction of an Automatic Triggered Bell Ringer Circuit*”, Department of Electrical and Computer Engineering, Federal University of Technology, Minna, 2014
- [10] “*B. L. Theraja and A. K. Theraja, “A Textbook of Electrical Technology”*”, First Multicolor Edition, New Delhi, S chand Publishers, 2009, page 2071
- [11] “*Astable and Monostable Operation of 555 timer IC*”, available: [www.wikipedia.com](http://www.wikipedia.com) accessed 2<sup>nd</sup> may 2017
- [12] “*Proteus Tutorial for Beginners*”, available: [www.circuittoday.com](http://www.circuittoday.com) accessed 3<sup>rd</sup> April 2017
- [13] N. Magaji “*Electronics*” (PHY 4307), Lecture Notes, Umaru Musa Yar’adua University, Katsina, unpublished, 2017