SRI RAMAKRISHNA INSTITUTE OF TECHNOLOGY

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AUTOMATED ELECTRONIC TOLL COLLECTION SYSTEM USING RFID AND GSM WITH PIC16F877A MICROCONTROLLER

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SYNOPSIS

Electronic Toll Collection (ETC) is an integral part of our life; it helps to eliminate the delay on toll ways by collecting the toll amount electronically. The conventional manual toll collection method is observed to be inefficient over highway transportation because of traffic congestion and increased utilization of fuel. Time and savings are a matter of priority of present day. In order to overcome the major issues of manual toll collection ETC using RFID technology is used. The aim of this paper is to Promote Digital India programme, and to design a system which automatically identifies an approaching vehicle, records the vehicle number and time by RFID reader and tag. The proposed system helps to save time and reduces fuel consumption thereby eliminating manual cash handling.