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EXAMINATION QUESTION PAPER LEAKAGE PROTECTION

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ABSTRACT
Education is merely and examination is the soul heart of teaching system. we realize that,unknowingly and intentionally this soul has got corrupted irrecoverably. The exam paper leakage is the main reason for this .The actions has to be taken seriously to stop this. So To notice and avoid examination paper we suggest an electronic method here. In the proposed module question papers is directed to the examination centers in the locked electronically box, before the predefined date and time which cannot be unlocked. The authentic user can only opened box. These are password protected. The exam organizer will send a OTP message to open individual sub box. When the Password, date and timing matches, the box will open through a motorized method. Hence the papers to remain locked and sealed till the examination time

KEYWORDS: GSM,RFID

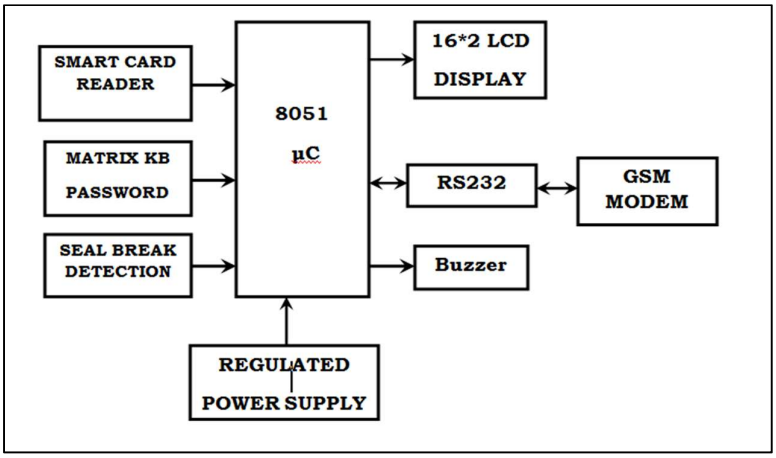
INTRODUCTION

Education is basic rousing force of the society. An examination is planned to measure the skill, knowledge in many subjects. An exam may be on computer, orally, paper in examination centers, which are calculating or examine conducted to test, the set of assistances. Also to choice the capable candidates or special positions the examination must be conducted.question paper leakage main issues for students who suffer from the postponed or termination of the examination.every year we hear news about delayed/cancelled exam due to paper leakages in the newspaper or on television. Sometimes the organization of higher education itself doesn't know how is outflow of any information content related to question papers. Hence, some student gets superior ranked in least time and with less effort and those students who in fact deserve the rank will not score even after rigid work and maximum efforts. This phase will create negative effect on students and demoralize the development of civilization. So we have come up based on Arduino microcontroller a compact and moveable solution and definite to implement an exam question paper leakage and security system. Firstly in electronic closed box the question papers comes to the institution from University in which is called Electronic Control case. By getting two equal of validation, one is OTP protection and RFID is another that provides for the exam papers, which will evade the outflow of exam papers prior to the exam. Electronic Control Case can only authorized persons can access this after the completion of two equal of authentication.

PROBLEM STATEMENT:

1. Non use of technology protection is used in current exam security system
2. Any outflow of test is not identify.

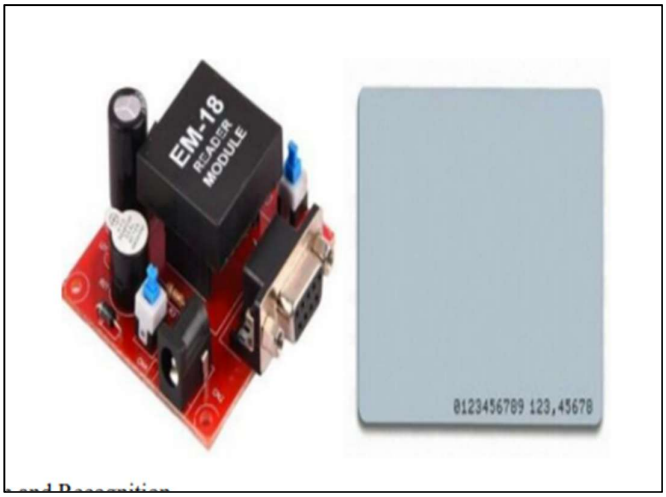
PROPOSED SYSTEM:



The box mechanism will be connected with an RFID reader and a memory unit. The Box will be automated in such a way that only the selected authorized personnel will be able to open it.The authorized personnel will be requested to enter the session password to enable the mechanism to open the box after the smart card is swiped and accepted. After reaching the destination the authorized person will again enter the smart card and enter the password. If the password matches then the destination is reached. The ?C will regularly monitor the status of seal break.If the seal is broken before the password matches the second time then the buzzer is activated and an automated SMS is generated to the concerned authority.

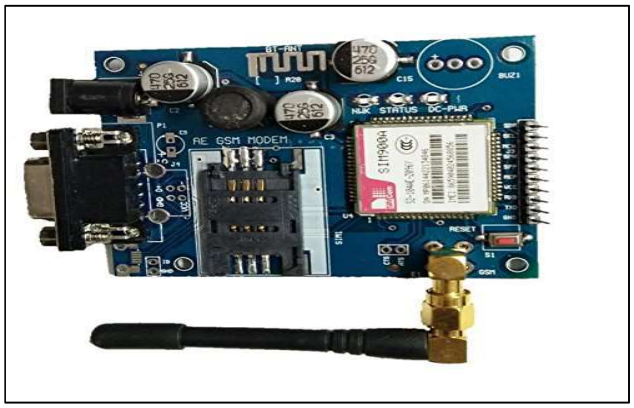
SYSTEM IMPLEMENTATION

RFID READER:



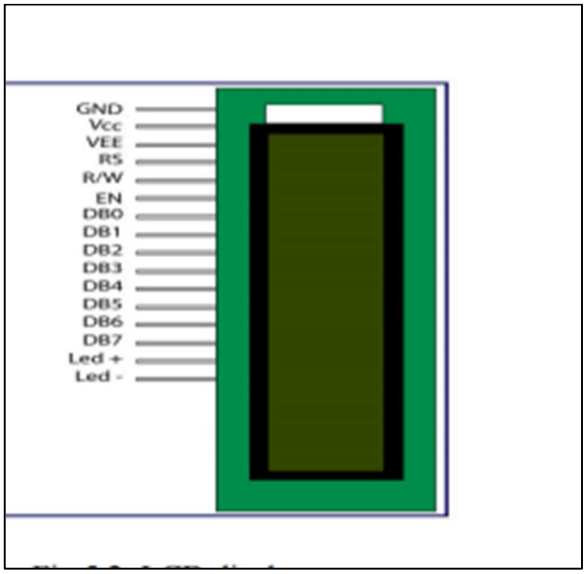
(Radio-frequency identification) uses electromagnetic pitches to identify automatically and track attached tags to objects. The tags contains electronically entered data. Submissive tags assemble command from a nearby RFID reader's grilling radio waves. Active tags has local energy source (such as a battery) and may run many beats from the RFID reader. Disparate a barcode, the tag need not be within the sight of line of of the reader, so it may be insert in the followed object. RFID [9] is one technique for Automatic recognition and Information Detention (AIDC).

GSM MODULE:



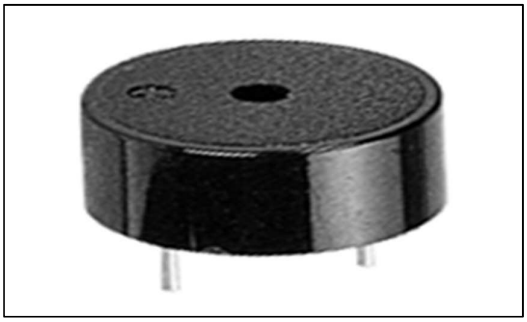
GSM is a standard advanced by the 'European Telecommunications Standards Institute' (ETSI) to define the protocols for second-generation numerical cellular networks. Networks 2G advanced as a spare for 1st generation non-digitalised cellular networks, and the GSM standard initially known as a digital, circuit-switched system optimized for complete duplex voice telephony.To include data exchanges this is extended over time first by circuit-switched carriage, then by package data carriage via 'GPRS (General Packet Radio Services)' and 'EDGE (Enhanced Data rates for GSM Evolution, or EGPRS)' Subsequently.

LCD DISPLAY:



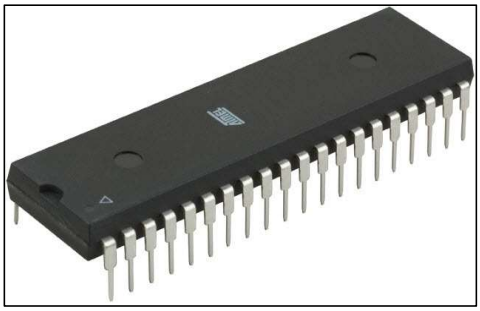
It is a basic 16 character by 2 line display. Black text on Green background.Includes LED backlight TN or STN Fluid is used Several Character Types available

BUZZER:



A buzzer or beeper is an audio signaling tool which may be piezoelectric, mechanical or electromechanical. Usually buzzers and beepers consist of alarm devices, timers and verification of user command such as a mouse click or keystroke.

MICROCONTROLLER:



Intel designed 8051 micro-controller in 1981. It is an 8-bit microcontroller. It is 40 pins 'DIP (Dual Inline Package)' built with 128 bytes of RAM and 4kb of ROM storage, 2 16-bit timers. It consists of 8-bit ports of four parallel which are programmable. In the microcontroller on-chip crystal oscillator is joined having crystal frequency of 12 MHz.

APPLICATION

1. This project can be extended to keep the answer sheets to send it to the university authorities.
2. It can similarly be used in various other applications where protection of documents or any valuables is needed. 3. Used in banks for security purposes

CONCLUSION

The purpose and its implementation of exam question paper leakage method were efficiently carried out with the compensations of minimum outlying edges, low paper utilization, low cost, high portability. The response of the system is effectively tested for compact and cost actual solution of microcontroller. This project can be extended to guard the question paper and answer sheet to send it to the university authorities. It is also used in various other applications where protection of documents or any valuables is needed.

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