

Commonly Reliable and Information Technology Solutions for the Campus Safety in modern world

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Abstract

The aim of the present paper is to present the commonly used reliable security solutions in the school or college premises. Students and teachers security at schools and colleges are of great concern for the management of schools and colleges. Many instances have been seen in colleges and schools where the students, staff have been beaten by the outside attackers or terrorists. To handle the situation, many colleges and schools have switched to the technology solutions. The common solutions and advances in the security system of the schools and colleges are presented in this paper.

1 Introduction: With the advancement in the field of science and technology, It has become possible to capture the activities of the human being with the help of devices like smartphones, cameras etc. Different organizations like schools, colleges are using security cameras in their premises to ensure the security of students and the people working in the organization. Once any person enters into the premises he remains under surveillance. The benefit of this security system is that if any unknown person enters into the premises and create ruckus he can be caught red-handedly at the same time or later on. This also helps the school management to keep an eye on the staff and students activities. Mainly, at the time of new admission, many parents want to get admitted to their ward/wards in those schools or colleges where their child would be safe 24/7. These days admission of the colleges gets affected due to the security reasons. After enquiring about the security system of the campus the parents make decision to get their child admitted in the school or college. This is very important because many criminal activities have been seen in the various colleges in the country. The detail of these activities is given below.

2 Criminal activities

Many criminal activities [1] have been observed in the various campuses across the nation. To name a few of them

Table 1: Campus Violence Cases

S.no	Year	City	Incident
1	1990	Delhi	A student name Rajiv Goswami self-immolated himself. He was demanding reservation for backward classes.
2	2007	Kerala	A Hindu wing student killed a police officer during the clash with the help of wooden plank
3	2018	Kerala	An Islamist student killed a communist student in Maharajas college in Kochi
4	2018	Patna	Shakti Babu a student from Mahatma Gandhi Central University was thrashed by some unidentified Students
5	2020	Delhi	Masked mob attacked at the students and teachers in the JNU campus

Due to these incidents, the reputation of the colleges and universities spoil. Students think 100 times before taking admission in those colleges whose reputation is not good due to the lack of security system in the campus. Some other problems which can be seen on different campuses in India are also given below which has been taken from [2].

Table 2: Common criminal cases

S.no	Cases
1	Rapes
2	Robberies
3	Burglaries
4	Thefts
5	Auto thefts
6	Arson
7	Snatching of items
8	Bully others
9	Stalking
10	Pulling dupatta and saree

In Table 2 are given the cases which can be easily seen in colleges, schools and universities. Due to all these threats some students after taking admissions lose their interest in their study. Sometimes when any unwanted event happens with the girl she just hides all these things from the parents and school or college staff. Hence a good security system is the need of the hour.

3. IT and common reliable solutions

After discussing all these problems the author now presents reliable solutions which may help in avoiding these incidents.

- 1) **Install turnstile gate:** Installing turnstile gate [3] at the entry of the school and college gate helps to restrict the entry of the unknown person in the college and school premises. Those who are the employees or the students of the school and colleges can enter in the premises using an RFID card.
- 2) **Issuing entry pass:** Those who are not the employee or students of the school or college but have some work or want to take admission, write their name, address, the purpose of visit, contact number in the register. For this school or college authorities employ one or two gate keepers. After this, they should be given entry pass to enter in premises.
- 3) **Armed or Unarmed security guards:** College or school must employ security guard [4]. For this ex-military men or woman may be hired.
- 4) **Continuous monitoring through CCTV:** School or university must install CCTV's in the building and outside the building to monitor the activities of the students, staff and security guards.
- 5) **Police Visits:** Frequent police visits in the campus and seminars by them also help in inculcating the moral values in the students and staff.
- 6) **Hiring quality and skilled teachers:** Management must hire good and quality teachers in the organization. The author of the paper has observed that not all but majority of teachers go in the classroom unprepared. They teach the students with the traditional methods. In these days when so many software and applets are available they don't use them. Sometimes, teachers are willing but management don't give them time to think. Management sometimes waste their time by conducting meetings which benefit none. The author of the paper believes if the teacher is well prepared and uses innovations in the classes, students sit quietly in the classes.
- 7) **Codeless phones in the classroom:** In big universities where the distance between the buildings is too much, codeless phones must be installed in the classes so that in case of misconduct with the teacher, security could be immediately called.
- 8) **Automatic door closed system:** The author suggests that there must be an auto-locked door system in the universities and colleges. The management can take this decision as per their wish when to lock the rooms of the building so that some unwanted events could not occur in the premises.
- 9) **Fire stations:** There must be fire stations in the campus. If a fire breaks out then immediately it can be doused. Fire extinguishers must be installed at every floor of the building.
- 10) **Boom barriers:** Boom barriers are used to stop the entry of the unwanted vehicles in the college or school premises.

- 11) **Teachers' attention:** It is the duty of the teacher that he must guide the student on the right path. Encourage students how they can prepare a the good exam like IAS, IPS, and CSIR-UGC Net etc. From where they can get the study material. Sometimes what happens students are brilliant but when they don't have any idea what to do then in life then they deviate from their path.
- 12) **Security necklace:** The security necklace has been developed by some students and teachers of the different universities. This necklace is worn by the girl child if any unwanted event happens in the campus then girl presses the button and an SMS reaches to the phone with which it is connected about the location of the girl.
- 13) **Good behavior and RMS system:** Good behavior also helps the teacher to manage the class only strictness doesn't help alone. If any student creates trouble in the class teacher should not throw him out of the class. His seat must be changed immediately if still, he creates problem make him stand in the class. If still he doesn't listen then using an RMS system his complaint must be registered then college authorities take the action. He must be fined so that in future such events don't happen.
- 14) **Biometric attendance system:** There must be a biometric attendance system in the hostel. If the student leaves the hostel in the evening after touching his/her card on the biometric machine then an SMS must be immediately send to the student parents or Guardian.
- 15) **Smart phone application:** As of now, many applications are also available. One can easily install these applications in the smartphone. If student or staff member is in any trouble then using these applications they can immediately send SMS to the nearer police station, Fire brigade, school or college security room etc.

4. Conclusion

The ideas presented in this paper are the quite general and cost effective. The management of the school or college decide which is/are good for them. Adopting these measures, unwanted events can be reduced and good environment can be created in the school and colleges for the learning. In safe environment every person feels happy and work with zest. It is hoped that college /school authorities will be benefitted by these ideas.

References

- [1] en.m.wikipedia.org (Campus Violence in India)
- [2] Campus Safety System (Beaulie Bonina Thizar Lewis Report)
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- [4] C. Oprean, M. Țițu & C. Tănăsescu, Security Management of University Campuses, *International conference knowledge-based organization*. Vol. 23, no. 1, (2017) pp. 418-422.