Electronic Devices to Investigate Offences of Torturing, Abusing, Molesting, Assaulting or Killing the Innocent Children

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Abstract:

The offences of torturing, abusing, molesting, assaulting, physical torturing or killing the innocent children are increasing day by day in our society. Mostly such offences are practiced on the young learners studying in various institutions ranging from lower primary, primary and middle level. Irrespective of the privately managed or public institution, the heinous offences occur in the schools. The torture ratio is comparatively high in village schools and also where the learners are sent exclusively for religious education. In such schools mostly the poor and orphan learners are admitted and may be the whole time resident of the schools. Another common aspect is the torture extended to innocent young female or male, who are resident servants. There are also periodical reports of inflicting torture sometime accompanied by killing. Another category of offenders is that who choose the innocent children from local neighbouring localities rape, molest, sodomise and then kill them. They either commit the offences alone or with their gang or allies. In case of killing the dead body is thrown in the locality or nearby canal. The procedure or steps taken by offender for committing an offence is "Modus Operandi". On most of the occasions the forensic evidence left and available by means of which the criminals can be traced, while in certain other cases, it is not adequate for the purpose of prosecution. A few case study are revealed. In this paper, we focus on some effective digital and electronic devices to facilitate the investigation to collect effective evidence usable in the court of law. The relevant tools for retrieving the forensic data are also introduced..

Keywords: Mobile communication equipment, Criminal data storage and retrieval, Databases and Data Ware houses, Data Mining
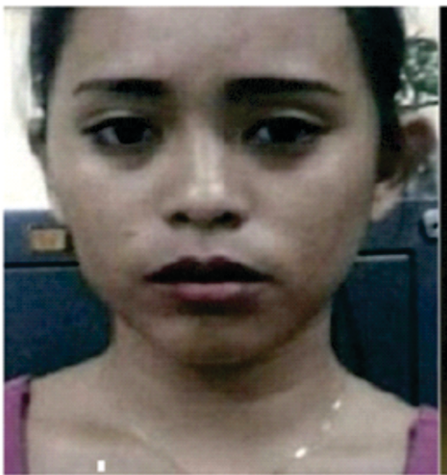
1.   Introduction

The victims of the offences of abusing, molesting, assaulting, physical torturing or killing the innocent children inflict high degree of torture. Every day, we hear of police brutality and cruelty [3], [5-6]. It happens as and when a police officer exceeds his limits of power and becomes inhumane, atrocious, terrible and cruel. At that time he uses more force than required in performance of his duty. This is called use force quantum. The criminals reacting with the society, in a similar fashion inflict torture to innocent women and children, especially teen agers. The sequence of their modus operandi may be abduction, rape and then killing.

According to [1] creating harassment and intimidating innocent children under 18 through internet and displaying their pornographic videos is serious cyber crime. The motive behind these offences comes from animated cartoon, films sand rubbish material polluting the minds

of offenders. The dark web also provides them difference ways to inflict torture to the innocent creation- the children. The offender involved in such offences have serious psycho and psychiatric disorders such as exhibition of sexual organs in public, sexual instability, masturbation and barbarity. In the initial stages the offenders arrange meetings with the children and capture their photographs and video for black mail. Sometimes they arrange the outstation tours with innocent children. The computers, cameras and other electronic equipment are used to accomplish the crime. According to [2], the pornography has reached to high limits even on internet, films and videos. That sort of material creates intent to commit other offences being discussed in this paper. The subject of child abuse is not recent one. Tremendous amount of legislation exists in this field. On the other hand [1] the darkweb or darknet or deep web is a magnet for the criminal of child abuse. It is separate world of criminals and their heinous, terrible and dreadful activities. There are millions of such accounts on deepweb where video and pictures of innocent children can be observed while being abused and tortured from high to very high degree of injuries. The offences against children are spreading like terrorist activities in various countries specially Pakistan. We know one little Zainab of city Kasur Pakistan, but there are millions of such little girls round the world, who have been abducted, tortured, raped and killed.

Picture 1: Photograph of Margallo

According to [7], a Philippine girl Liezyl Margallo aged 23 years (Picture 1), was caught by NBI National Bureau of Investigation as a child trafficker. Apart from this, her modus operandi was also to abduct torture and kill innocent young children. Moreover, she liked torturing little girls to death on Camera. She was also managing international cyber-pornography business. There is long list of offences against humanity, but two of them are relevant to our work i.e. crimes against public morals and children.

It is perhaps unknown to the rest of the world that how the learners (particularly poor and orphans) are living in school boarding to get religious education; their life is extremely miserable because of the harsh, intimidating and cruel attitude of the teacher. All such schools are privately managed and no fee is charged from students. These schools are run on donations. According to [11], all the offences such as victimisation, sodomy, torture, harsh punishments and sometimes killing are practised on innocent children. Heavy sticks, rubber pipes and punches are used to punish the students in such schools. The picture [2] is that of 5-years boy, who was killed and hanged after sodomy inside the place of learning.

Picture 2: Ashraf Javed age 5, Killed

2. Major Reasons for Child Abuse

Due to the impact of various types of warfare in the societies such as economic warfare, cultural warfare, warfare based of religious differentiation, poverty and unemployment which are nurturing the elements of criminality are nurturing. The marriages of young males are considerably delayed. In the absence of any effective deterrent force like that of religion, fear

of God and law, the individual and groups of criminal are becoming stronger, particularly when Police is silent spectator. The preparation and display of pornographic films, Cartoons, magazines and other available material increase the elements criminality rapidly. A portion of social media is constantly projecting shameful stories of men having intercourse and sexual activities with a real sister, wife of the brother and nearest relatives ("Mehramats") or neighbours and also of acts sodomy, molestation, torture or killing of innocent children. It is duty of the society, academia, law enforcement agencies and government to take seriously on war footing to eliminate such trends. The publication or broadcast or telecast of such material and its distribution or propagation in any form must be banned. The parents do not have time to observe the children while they are outside home. According to [4], the children are born innocent and should be loved cared. It is the duty of the parents to make them useful citizens and apply utmost vigilance almost until they are out of teen age. The parents must keep an eye of how they are treated outside home while receiving school or religious education.

It is usual practice that children are inflicted with heavy beating using hard things resulting damages, wounds and punishment-prints, which are visible. The body of the child is delicate like flowers. The wounds so caused to innocent children become permanent memories in their soul, heat and mind, really not erasable.

3. Law Related to Offences against Children

The most comprehensive and self contained law [9] was promulgated by British parliament for entire United Kingdom in 1978. The Act defines almost all aspects such as indecency, mens rea, pseudo-photograph and role of computer files connected with offences against children. The Protection of Children from Sexual Offences Act [10], was promulgated in 2012 in India, which covers all the aspects of offences committed and their modus operandi. The sexual intimidation, penetrative-sexual-assault and sexual harassment are the major issues for which punishments were prescribed. The Act also deals with [10] punishments for child pornography, abetment for commission of the offence and most impotently the role of media and photographer. The detailed procedure for recoding the evidence is also provided in this Act.

According to [12], an amendment in PPC was made regarding Child Abuse in 2016. The section 82 of PPC is relevant in this case. In Pakistan apart from abusing the children, the elimination of children is another hot issue. According to [13], the lagal setup in Pakistan in not adequate to fight with child sexual abuse. The law alone cannot make rapid changes in the society. Most of the cases are reported in Britain, United States, Pakistan and India. Pakistani children require [14] strong protection system against abduction, rape, sodomy, molestation and killing. This is needed due to tremendous increase in the rate of crime. The Law alone cannot provide protection [14] to Pakistani Children.

Our children are facer dangers outside home from abusers groups of offenders. The use narcotics, keep knives or guns; they move freely in society. Sometimes, police employees of lower rank may be their alias. According to [15], the crimes of " sexual abuse" and "molestation" are related to child abuse while the terminology of sexual abuse is prevalent for persons of all ages.

4. Harsh Beating and Punishing Children in Islam is Prohibited

The Prophet of Islam being "Rahmatan lil 'alamin", extended mercy and blessing for all.

He was very kind, affectionate and gracious for the children. He prohibited the people not kill their young little daughters and not to beat their children harshly with full emotions. Further, the children should not be beaten on their faces. This is the morality and ethics of Islam in this context, not to be harsh and hard with children.

5. Tortures by Teachers in Schools

The school teachers extend torture using different methods, [16] elaborates some of these methods. These are slapping on the face, calling the students in Principal office and beating harshly, complaints with parents and calling them, locking up in solitude (Picture 4) , humiliation, kicking out of class, harsh physical punishment with stick, kneeling down (Picture 5) , withdrawal of students privileges and
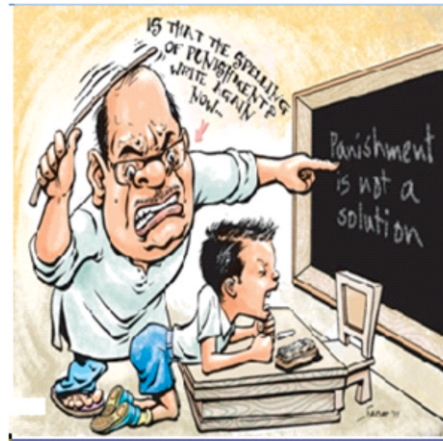
imposing fine.

Picture 3: Slap on the Face

Picture 4: An innocent baby in lock up

Picture 5: Kneeling down for longer times

Picture 6: Use of Stick

Picture 7: Girls victims of teacher

Picture 8: Self explanatory

6.   Tools used by Criminals

Apart from weapons and torturing equipment the criminal use the following electronic devices to communicate to their alias and keep record of their sinful activities:

• Mobile Phones
• Video recording Camera
• Computer and internet

The reason for using the Video recording Camera, Computer and internet is to communicate or sell the tapes of victims. The mobile phones are dynamically, frequently and actively used because the modern cell phones possess the potential of other electronic devices. The information of mobile phones of the criminals provides best forensic evidence and can be used in the investigation. We know that Data saved in computer file being in binary system is not readable. A screen image photograph [9]. It is called a derived image. It is actually another form of the original photograph. According to the Act, this is an offence to take obscene and indecent photographs of a child. Downloading such objectionable matter on disk is also an offence.

Picture 9: Mobile Devices

7.   Facilities in the Modern Mobile

The criminals and terrorists frequently use their mobiles for communication with their alia. The present day mobile phones possess most facilities of a computer such as chargeable battery, camera and torch, advanced multimedia, Google, colour display unit, Bluetooth, central processing unit, strong wifi, Networking and communication system, File handling, a database of user's contacts, calculator, TV, Radio audio-video recording and display systems, Email and messaging. It keeps records of movies for future display as it is provided with adequate memory. There are several other applications, capabilities and services available to the user. The mobile hand set phones have become need of the day and luxury in leisure and free time. It also possesses additional functions and computing facilities with a built in operating system. The android operating system has been preferred by various companies due to its compatibility with mobile hardware. There is a race and competition amongst the manufacturing companies to present most innovative mobile phones. Every mobile set iDEN, GSM or WCDMA, is allocated a unique identity called IMEI "International Mobile Equipment Identity ". The SIM card allows the user to enter money for mobile calls and messages. One mobile can interact with mobiles of other companies. Further the roaming facility, fax, calendar, clock and games are also important features of user's interest.
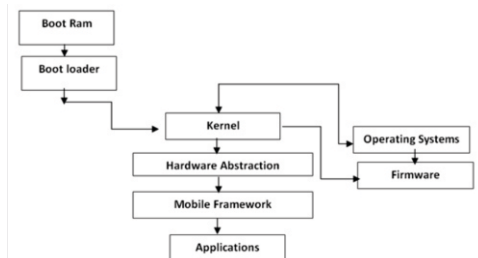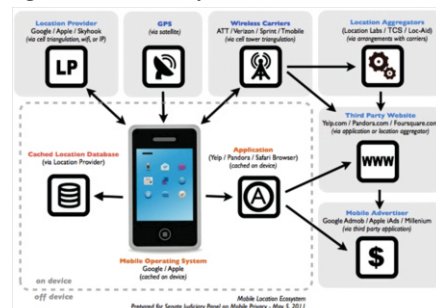

Figure : Internal System of Mobile Device

Figure 2: Modes of Tracking Information from Mobile

8. Accessing and Tracking the Information of a Mobile

The purpose of this section is to know the procedure for recovering information of criminals from their mobiles regarding past transactions. The internal software System of the mobile shows how it works and provides service to the users. On one hand the mobile data is stored in the mobile and on the other important data is stored in the repository of the mobile company, the service providers. The mobile service providers can access to the information such as location, messages, call logs, phone numbers of the Call/messages of the user and the recipients. The entire data of the user can be accesses such as stored images, audios, video and other documents and tables. According to [17], using the software "Remote Display Control", provided free, information on the mobile can be displayed. According to [18], widows 10 Windows 10 Mobile has a built-in text message backup option. When messages from mobile are deleted, they are not removed permanently. They are tagged in the mobiles memory and the phone's operating system write new information over that same storage space. A wireless backup service is available.

such as iTunes, Samsung Smart Switch, or LG Bridge to create a backup of mobile computer and can be tracked.

Figure 1 shows the internal mechanism of the mobile, how the applications are run on the internal system. Kernel is actually chief executive to manage memory and processes. Figure 2 explains modes of tracking information from mobile devices using various techniques: such as by accessing location coordinates of mobiles GPS. However, if mobile don't have GPS sensor installed, the location can also be tracked by other modes of accessing. For example

- Accessing Information through Service Provider.
- Through installed applications on the criminal's mobile device.
- Through browser and third party logins, which are store information on the device and subsequent locations in sequence.

9. Conclusions:

The criminals involved in offences of torturing, abusing, molesting, assaulting, physical torturing or killing the innocent children can be arrested using information in their mobiles and computer directly from these device or with the help of service providers. The locations pf the moving criminals can also be found invoking roaming information stored on the mobile and service provider end. Mobile Messages can be recovered using existing technology for forensic evidence. Other data on the mobiles and computers of the criminals such as photographs, videos, SD cards and phone log can be easily tracked..

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