

AN OVERVIEW OF CYBER CRIME

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PIO/DS(IT), DoICT

1. THUHMAHRUAI:

Tunhma kum 1980 hma lamah kha chuan Computer-te hi mi naran hman mai mai theih pawh a ni lova, a hman tur pawhin in zir thiam fe phawt a ngai thin. Chuvangin Scientist leh Engineer te tan lo chuan hman harsa tak a ni. Kum 1980 hnu lamah erawh chuan Personal Computer te lo chhuakin mi naran tan pawh hman theih turin siam chhuah a lo ni a, ram changkang deuhah pheih chuan In (house) tinin Computer leh Internet an nei deuh vek tawh a ni. Tunah chuan Computer hmel hre lo pawh kan awm tawh lovang tih tur khawpin Computer hi a tam em em tawh a ni. Tun atanga hun reilo te ah hian In tinin TV kan nei ang deuh hian Computer pawh hi kan neih thuai a rinawm, chutih hunah chuan sualna pawh hi a pungin a fing telh telh dawn bawh a ni. Tunlai misual pawhin silai nena Bank rawk ai chuan Computer nena Bank rawk hi an duh tawh zawka, a chhan chu Computer leh Internet hian ramri kham chin an nei lova, manchhuah an har zawk bawh. Tun hma a sualna hrang hrang pawisa lem siam (forgery), in vauna (extortion), mi hruaibo (kidnapping), etc te kha tunlai chuan Computer hmangin tih a lo ni ta. Terrorist-te pawhin Computer, Internet leh Mobile phone te hi an hman uar sawt hle a, khawvel hman hrang hranga terrorist-te in zawm khawmna hmanrua pawimawh tak a ni bawh. Tun hnaiah pawh khan kan ram thenawm Guwahati Rail Station-ah pawh Bomb tih puah nan Cell phone hman a ni a, Mumbai beih anih dan pawh kha Computer leh Internet hmanga thil tih bawh a ni. Tin, tunlai khawvel kalphungah hian “cashless society” kan ti a, pawisa akchhuak lova credit card leh debit card chauh hmanga bazaar kan ching tan ta, sumdawng leh mimal pawhin Internet kaltlangin sum leh pai kan ti che nasa ta hle mai. Bank lampang pawhin nasa takin tan an la a, Internet Banking an nei leh deuh fur tawh mai. Mizoram sorkar pawhin Central sorkar atanga an pawisa dawn reng reng ‘Electronics Transfer’ hmang lo chuan an in thawn tawh ngai mang lo a ni. Tun hmate ngaihtuah chuan hmasawn nasa tak kan ni a, amaherawhchu sualna pawhin hma a sawn chak ve zela, Computer leh Internet hmanga dan bawhchhiatna sualte hi a pung chak em em a, India ram pheih chu khawvelah pangana (5th) hial a tling pha a ni. Hetiang khawvel karah hian thangthar (new generation) te hi an thanglian dawn a ni a, tunlai khawvel hmachhawn dan an thiam loh pheih chuan an nunah harsatna tam tak an tawh dawn a ni. Chumi ngaihtuahna nen chuan he seminar hi buatsaih a ni.

2. CYBER CRIME AWMZIA?

Cyber Crime tih awmzia chu Information & Communication Technologies (ICT) hman khawlohna avanga dan bawhchhiatna sual reng reng hi a ni. Cyber tih tawngkam hi Cybernetics tih atanga lak chhuah a ni a, Computer leh Internet thil tih theihna khawvel sawina a ni ber awm e. Cyber Space kan tih chuan Computer leh Internet hmanna

khawvel tihna a ni a, Cyber Space chhunga dan bawhchhiatna sual zawng zawng hi ‘Cyber Crime’ kan ti thei bawk ang. Cyber Space chhunga inrelbawlna dan (Law) te hi ‘Cyber Law’ an ti a, Cyber Space chhunga sualna hrang hrangte hi Cyber Law in a huam vek loh avangin Indian Penal Code (IPC) hman ngaih changte a awm bawk thin, chutiang bawkin a chang chuan Copyright Law te, Narcotic Act te, Arms & Ammunition Act te, Patent Law te leh Cinematographic Act hman ngaihna changte pawh a awm thei bawk. Cyber Space chhunga chengte chuan engtikni ah emaw chuan Cyber Society, Cyber City, Cyber Classroom, Cyber friend, Cyber Church, etc te pawh an la neih chhoh thuai a rinawm.

Cyber Crime tih nana hmanrua hman lar ber chu ‘Computer’ hi a ni a, thil sual tihna hmanrua a nih rualin, thilsual titute zawn chhuah nan pawh hmanrua a ni nghal bawk. Misualte pawhin tihchhiat an tum ber chu Computer tho a ni. Chuvangin, Cyber Crime kan tih hian Computer Crime kan tihna a ni thei bawk. Computer chu Network emaw Internet kaltlangin emaw ram hla tak atang pawhin Computer hmang vekin tih chhiat theih a ni. Cyber Crime hian Computer leh Internet ngawr ngawr a huam lova, Mobile/Cell phones-te, Television/CATV-te, Audio/Video-te, Software piracy te leh Electronics Gadgets hrang hrangte pawh a huam vek a ni.

3. CYBER CRIME HI TUTEN NGE TI THIN?

Cyber crime chu IT hmankhawlohna sual tih kan hre tawh a, Mizoram chhungah pawh hian IT hmang khawlo mi tam tak an awm mek a, chung zingah chuan dan bawhchhia an ni tih in hrereng chung a tilui tam tak an awmlaiin thenkhat chuan dan an bawhchhia ani tih pawh in hre lova ti mek an awm bawk. Mizoram chhungah pawh hetiang mi hi sang tam tak an awm a ni. Entirnan, Mizoram chhunga computer zuartu thenkhatte leh hmangtute zinga a tam zawk hi cyber crime ti mek tute an ni. Mi audio cassette a ruka lo copy chhawngtute pawh hi an bang chuang lo. Tin, kawngsira video CD/DVD zuartute pawh hi cyber crime titute zingah an tel ve a ni. Computer leh mobile phone hmanga nula saruak thlalak thehdarhtute zawng zawng pawh hi cyber crime titute an ni. CATV leh e-Mail kaltlanga mahni nihna inthup chung a midangte sawisel/sawichhe thintute zawng zawng pawh hi cyber crime titute an ni bawk. Kan sawi vek dawn chuan sawi tur a tam lutuk, kan sawi vek seng lovang.

Miin cyber crime a tih chhan tlangpui chu midang tihthlabar duh vang te, thiamna entir (show) duh vangte, mi tihhmingchhiat duhna avang te leh hausak tum luat vangte a ni thei. Cyber crime titute hi a tlangpuiin hetiang hian then hran theih an ni:

(a) Tleirawl/Rawlthar:

Tleirawl kum 15-25 inkar mite hian cyber crime tih an ching tlangpui a, sual an tih chhan tlangpui chu midangte hriat hlauh duh vangte leh an thil theih zia lantir an duh vang a ni tlangpui. An thil tih hi thilsual a ni tih pawh an hre lova, dan hmanga hrem theih an ni tih pawh an hre lo. Amaherawhchu, an thiamna a sang lem lova, an hlauhawm lutuk lem lo bawk. An lo puitlinin an thiltih sualte an hria a, an sim a, an bansan ve leh mai thin.

(b) **Sum leh pai a mi duhamte:**

Tleirawlte ang a hobby atan maia ti an ni ngai lova, professional hackers an nih avangin sum leh pai hlawhchhuah hi an tum ber a ni. Internet kaltlangin sum leh pai tam tak a che vel tih an hriat avangin an tum ber pawh Bank atanga pawisa tam tham tak lakchhuah hi a ni. An thiamna a sang em em a, company tam tak pawisa an ruksak bakah an information an ruk chhuahte tlanhchhuah nan pawisa tam tham tak an phut bawk thin. Hengho hi computer leh network experts an nih avangin midang computer chhunga luh ruk dante, an password lo hriat ruk dante pawh an thiam em em a, an hlauhawm hle a ni.

(c) **Phuba lak chingte (Avenger):**

Mi chung a phuba lak duhna avangin mi thenkhatin cyber crime an ti thin. Heng ho hian pawisa lama hlawkna an ngaihtuah lova, mi an huat zawng tih hmingchhiat leh tih buai hi an tum ber a ni. Entirnan, tlangval thenkhat chuan an bialnu hlui thlalak siam danglamin, mualpho takin Internet-ah te an theh darh sak thin. Tin, hnathawktu, an hotute chung a lungawi loh avangin, phuba lak nan cyber crime an ti thin bawk. Politics lama an hmelmate leh sumdawna lama an khingpuite tihchhiat hi an tum ber a ni bawk. Hetianga phuba lak nana cyber crime ti thin ho hi computer, internet leh e-mail hacking thiam tak an ni duh tlangpui, chuvangin an hlauhawm em em a ni.

(d) **Cyber Terrorist:**

Cyber terrorist ho hi tunlai cyber crime titute zingah chuan a hlauhawm berte zinga mi an ni a, an target pawh sawrkar leh corporate lian tak tak an ni. Pawisa duh vanga soal rawngbawl an ni lova, an huatzawng tihchhiat hi an tum ber a ni. An technology a sang a, an sum hrawm pawh a lian tham thei hle. Khawvel hmun hrang hrangah an in zar pharh avangin manchhuah an har hle, an laka inven thiam pawh a har bawk. Entirnan, Al-Queda thlalak an in thawn te hian thuruk an lo in thawn tel thin a, an thu in thawn hi manchhuah a harsa em em a ni. Michael Jackson thlalak an thawn mai mai te hi “Bomb tipuak ru” tih order pawh a ni thei. An chetdan hmang hi hriat thiam a har thin hle.

Cyber terrorist ho hi professional hackers an ni a, computer leh a kaih hnawih lam chi reng reng hi an thiam em em a, mi SIM card te hi a ang chiahin (cloning) an siam thiam a, chu chu bomb tihpuah nan te an hmang thin. China siam mobile handset-te an hman thin avangin chhui chhuah an har em em a ni.

4. **CYBER CRIME AVANGA TUARTUTE?**

Cyber crime avangin company, sorkar leh mimal ten sum leh pai tam tak an hlauh phah thin. Mizoram a audio/video cassette siam thintute an hlawk theih lohna chhan ber pawh pirate (mi phalna la lova an audio/video cassette te lo chhuah (copy) sak ve ngawt) kan chin vang a ni. Hetianga pirate kan chin avang hian zaithiamten sum leh pai an hlauh chhuah tur ang an hlauh chhuah loh phah fo thin. Mobile phone leh Computer hmanga

mi sex video leh thlalak kan thehdarh avangin mi thenkhatte nun a chhiat phah thin. Tin, credit card leh debit card neitute an fimkhur tawk loh avangte pawhin an tuar thin. Computer leh Internet hmangtute zawng zawng pawhin kan fimkhur thiam tawk loh avangin kan tuar fo thin. Cyber crime avanga tuartute hi hetiang hian a tlangpuiin then theih a ni.

(a) **Thusawi awih mai thinte (Gullible):** Mi thenkhat chu Computer leh Internet an hriat chian tawk loh avangin mi thusawi apiang an awih a, a tawpah an tuar phah thin a ni. Entirnan, Mi thenkhatin an e-Mail ID/Password midang hnenah pe chhawngin an mail-te an check tir thin, mi rinawm tak an nih loh pheh chuan mualphona thlentu a ni thei. Tin, tunlai hian e-Mail leh SMS hmangin mi tute emawin mi hausa thi mai tur pawisa dahna turin bank account hman an rawn dil thin, hetiang lo awih tawk Mizoram chhungah ngei pawh an awm avanga tuna In leh Lo chanta pawh sawi tur an awm nual a ni. Computer leh Internet khawvelah hi chuan mi sawi zawng zawng hi awih vek kher tur a ni lo. Mi thusawi a piang lo awih thin ho hi a tuartute an ni fo thin.

(b) **Mi vanduaite:** Mi vanduai bik hrim hrim hi khawvelah hian awm ngai a ni a, chung mite chuan cyber crime an hmachhawn ve fo thin. Heng mite hi computer leh Internet an thiam leh thiam loh vang ai mahin mi tute emaw thil tihsual lo tawng baw ve hrim hrim pawh a awm theih a ni. Cyber khawvelah hian fimkhur zawh vek sen a ni bik lova, fimkhur tur tih hre reng chung pawhin kan chungah a thleng thei. E-Mail password mi tuten emaw an lo risk dik palhin, kan e-Mail hmangin pawisa an lo dil kual thei, heng avang hian hmingchhiatna kan chungah a thleng thei. Internet hman avangin kan computer chhungah virus hlauhawm tak, kan hriat miah loh in a lo lut thei baw, heng avang hian kan computer pawh a chhe vek thei baw.

(c) **Mi duhamte:** e-Mail leh SMS hmangin pawisa tam tak lottery atanga man angin an rawn thawn darh thina, thenkhat chuan sum duhna avangin an lo awih mai thin a, heng ho hi bumtu kutah an tlulut awlsam a, harsatna an tawk thin. Pawisa dawng teuh turin an in ngaia, midangin an hriat ve an hlau va, mithiam zawkte rawn nachang an hre lova, anmahniin an bawh ruak ruak zel a, a tawpah an che sual nge nge thin.

(d) **Thiamna neilote:** Computer leh Internet lamah thiamna zau zawk an neihloh avangin an computer venhim dan an hre lova churang chuan an computer chhunga data pawimawhte an ruk sak thin bakah an hard disk te pawh tihchhiat sak a ni fo thin. Hetiang ho tan hian online banking leh online shopping tih a hlauhawm duh hle.

5. CYBER CRIME CHI HRANG HRANGTE:

Cyber crime chi hrang hrang hriat tur pawimawh thenkhatte:

(1) **Financial Crimes:**

IT hmansualna langsar ber pakhat chu credit card leh debit card inruksakte leh bank account atanga pawisa in lakchhuah sakte hi a lar zualte an ni. Internet leh Mobile Banking lar chhoh hnuah hian cyber crime hi a nasa zual hle niin ngaih a ni. Tunlaiin, Mizoram chhungah pawh Computer, Internet leh ATM khawl hmangin awlsam takin pawisa Bank atangin kan lachhuak thei tawh a. Hetia thlamuang tak leh awlsam taka

Bank kan dawr zung zung theih tawh lai hian misualten remchang zawngin Credit card, Debit card leh Bank account-te hi electronics media hmangin min rawk theia, kan hriat loh hlanin pawisa pawh kan bank account atangin min lo lakchhuah sak thei a ni. Internet kaltlanga sumdawna ti thin tute leh thil lei thintute hi kan fimkhur a ngai leh zual a. Tin, ramdanga kan zinin ATM machine kan hman tura te hi hriatchian a pawimawh em em bawh tih hi kan hriat a pawimawh khawp mai, hmun thenkhatah chuan ATM Card Skimmer te leh Hidden Camera-te an lo fit thina, chung hmang chuan ATM card number leh PIN number-te an lo hreru thin a ni. Hetianga IT hmansualna hi tam tak sawi tur a awm tawh a ni.

(2) **Cyber Pornography:**

Internet a saruak thlalak theh darh hi tunlai khawvel sumdawna hlawk ber pawl a tling hial awm e. Ram thenkhatah chuan saruak thlalak leh film bawhlhlahw tarlan hi sual a ni kher lo a, mahse kum tlinglo mipat hmeichhiatna hmanglai thlalak tar chhuah chu sual lian ber a tling thung. Hetianga saruak thlalak tarlanna website, magazine leh Internet atanga hetiang lak leh thawn darh hi cyber crime hian a huam vek a ni. Mizoram context bikah sawi tal ila – tunlai hian mizo nula saruak thlalak hmuh tur mobile leh computer ah te tam tak a awm a ni. Heng saruak thlalakte hi thenkhat chu anmahni in lakte leh an bialpa lak sakte a ni a, nawhreh leh mai tura an lakte pawh a ni ang. Mahse cyber khawvelah chuan a ni hauh si lova, an nawtneh emaw an tih kha computer hmangin a lakchhuah leh vek theih avangin an rin lohna lam atangin a lo darh chhuak ta thin a ni. A tlangpuiin mobile phone/digital camera an siam tirna hmun atangte pawhin a darh chhuak fo bawh. Hetianga mi thlalak nawhreh tawh, lakchhuah saka, Mobile, Computer leh Internet hmanga thehdarh saktute hi Cyber Crime titute an ni.

(3) **Danin a phalloh thil zawrhna hmunpui:**

Internet hi dan phal loh thil zawrh ruk nan an hmang nasa hle, chung zingah chuan damdawi ruihtheih (narcotics), ralthuam (weapons), leh ramsa (Wildlife) zawrh ruk nan an hmang nasa zual. Website thenkhatah chuan khawizu (Honey) zuar ni awm taka lang siin Cocaine te an lo zuar daih thei bawh. Internet kaltlang hian awlsam zawka pawisa inhlan chhawn te, thil leina pek leh pawisa vaivir vel hi thil awlsam tak anih avangin hetiang lama sumdawna kalpui hi a ti hluar hle a ni.

(4) **Intellectual Property Crimes:**

Mi tupawhin a neitu phalna la lova lehkhahu, video film, audio cassette leh computer software te a lo tih darh emaw sumdawn nana lo hman hi dan bawhchhiatna sual lian tham tak a ni. Kan ram chhung ngeiah pawh hian Audio/Video cassette la chhawng a, sumdawn nana hmante, pirated software sumdawn nana hmante leh mi program source code ruk saka, sumdawn nana lo hman sak te hi dan bawhchhiatna sual lian tham tak a ni.

(5) **E-Mail Spoofing:**

E-mail spoofing hi chu a neitu hming dik tak hmang si a, midangin thil thalo tihnan an hman thin hi a ni. entirnan, Mawii e-Mail chu mawii@yahoo.com nita se, a bialpa hlui Sanga chuan mawii e-Mail hmang hian mawii thiante hnenah thu mawilo leh tha lo tak theh darhnan lo hmang sela, Mawii te thianho inkarah harsatna leh

inhmelmakna hial a thleng thei a, hetiang thil thalo tihnana hman hi e-Mail spoofing an tih chu a ni.

Hmanni lawkah pawh kan ram chhunga Pastor e-Mail hmangin tuten emaw thil mawilo tak tihnan an lo hmanga, hetiang hian mahni thiltih ni miah lovin mualpho takin a chhuah theih a ni. Hetah hian Pastor hian a mimal e-mail ID leh password te hi midang hnenah a pe chhuak em ni? midang hnena a pek chhuah hi chu a rinawm loh a ni, kawng tam takin misual ten Pastor e-Mail ID leh Password te hi an nei ru thei. Entirnan – Misualten Pastor Computer chhungah program code email id leh password te a ruka misualte va hrilh thei chi kha Internet/eMail kaltlangin an dah ru thei a, chumi hmang chuan misualten pastor email_id leh password an nei thei a ni. Hetianga misualten pastor email_id leh password an neih tawh chuan an duh hun hunah pastor email hmangin sual rawng an bawl thei a ni.

(6) **Forgery:**

Computer thiamna hmangin misualten certificate lem, pawisa lem, stamp lem, leh marksheet lem te an siam chawp thin a, chu chu sumdawnnan te an hmang thin. Hetiang hi tunlai khawvelah a hluar hle, Mizoramah pawh hetiang tih ching hi an awm nual niin hriat a ni.

Kum 1995, October thla khan Economic Offences Wing, Crime Branch, Mumbai chuan company pariat lar tak takte share certificate lem 22,000 lai a man chhuak a, hei hi avaiin Rs. 34.47 crores hu vel niin an chhut. Heng share certificates lem hi DTP hmanga siam an ni.

(7) **Cyber Defamation:**

Computer, Mobile leh Internet hmanga intihmingchhiatna leh intihmualphona hi 'Cyber Defamation' an ti. Mizote hi insawisel ching tak, intihmualpho leh intihmingchhiat pawh pawisa vak lo mi kan ni a, Kan hriat theuh angin Cable TV local channel-ah e-mail leh mobile phone hmangin fakselna, ka vei zawng leh mipui aw ah te kan huat zawng sawichhiatnan kan hmang thin. Tin, mizo website siam <http://www.misual.com> leh <http://www.lawrkhawm.com> hmangte pawhin mihuat zawng leh ngeizawngte insawichhiatnan kan hmang thin bawk. Mahni hming thupa, midang hming phuahchawpa, chanchinbu a insawichhiat/ intihmualpho kan ching em em mai te hi hnam tih mualphona chi khat a ni. Heng zawng zawng hi dan bawhchhiatna sual tenawm tak vek an ni.

(8) **Web Defacement:**

Website homepage lo thlak danglama thildang huat thlala tak lo in tarchhuah sak hi website defacement an tih chu a ni a, hei hi website pawikhawihna sual lian tak a ni a, hetiang titute hi 'hackers' an ti. Dan naranin sakhuana lam hawi leh sorkar website hi an tichhe deuh ber thin. Hetianga an tih danglam tawh hi chuan website neitute tan a mualpho thlakin, harsatna tam tak an tawh phah thin. Company thenkhat tan pawh a mualpho thlak mai ni lovin a dawrtute (customers) pawhin an rin loh phah thei bawk a, chuvangin company thenkhat online transaction titute tan pheih chuan a pawithui duh hle a

ni. Heng website an tihchhiat siam tha leh tur hian sum tam tak sen a ngaih bakah, website-te hi ni engemaw zat chhung tlawh (visit) thei lovin a awm phah thin.

Web defacement hi kan sorkar department thenkhat website bakah mimal website te pawh tihchhiat a ni ve zauh zauh tawh a ni. Heng web defacement titute chhui chhuah dawnin webserver chhunga log-file enfiah hmasak ber a ni thina, hemi atang hian a titute IP address te leh an tih ni leh darkarte chhuichhuah theih vek a ni. Amaherawhchu webserver chhunga logfile en tur hian India ram chhunga mi anih loh chuan a buaithlak thin a, chuvangin website te hi India ram chhung ngeia webserver-ah dah (host) tur a ni.

(9) **Cyber Stalking:**

Internet emaw, e-mail emaw, electronics inbiakpawhna lam chi engpawh hmanga midang tihbuai, tihthlabar leh vau hi a ni. Mi tu emaw, a hnathawhna hmuna a awmlai emaw, ama chenna ina a awmlai emaw, khawi hmun pawh nise a tihlauthawng/tithlabar zawng a phone leh thuziak hmanga vaute pawh a huam a ni.

Hetiangah hian e-mail hmanga invauna hi a tam ber a, social network hmang a in vauna pawh sawi tur tam tak a awm. Tunlain mobile prepaid tih nunsu zuar an awm zeuh zeuh thin a, heng tihnunsu hmangtute hi tute nge an nih chhui chhuah a harsa em em maia, a chhan chu SIM card kha anmahni hmanga an register loh vang a ni. Heng SIM card hmang hian tuten emaw an huat zawng leh ngei zawngte tihbuai, tihthlabar nan leh vau nan an hmang nasa baw. Heng hi dan bawhchhiatna sual a ni.

(10) **Hacking:**

Computer hmanga mi computer network chhunga va luh leh data va ruk sak emaw va tihchhiat sak emaw hi “Hacking” tih ani. A va tichhetu te hi “Hacker” an ti thung. Internet hmanga credit card ruk sakte leh computer hmanga Bank pawisa lak chhuah te pawh hi hacking tho a ni. Internet atanga thil kan lein fimkhur a ngai zual, website him lo leh rinhleleh deuh atang chuan credit card hmanga thil lei loh hi a him ber.

Mi phalna la hmasa lova an computer lo va khawih saka a chhunga data pawimawh awmte lo lakchhawn sak emaw lo tih danglam sak emaw hi computer hacking case ah lak theih a ni. Chuvangin mi computer, a neitu te phalna la hmasa lova lo khawih sak hi chin loh a tha khawp mai.

(11) **Email Bombing:**

Email hmanga message tam tham tak thawn chhuah nasat lutuk hian midang email accounts a tichhe thei a, tin, email server-te pawh a tichhe thei baw. Hetiang hi eMail Bombing an ti. Hetiang hi “Denial of Service attack” chi khat a ni a, eMail server hnenah message thawn hnem lutuk avangin Server kha access theihloh khawpin a awm thin a, hei vang hian eMail service a ti buai vek thin a ni. Kan hriat theuh angin mimal, sumdawng leh sorkar in e-mail an hman nasat tawh avangin eMail service nikhat a that loh pawhin harsatna nasa tak a thleng thei a ni.

British rama tleirawl pakhat pawh a hna atanga an ban avangin, a thinrimin an company hlui hnenah email message 10 million vel a thawn chhuak a, hei vang hian

company email server-in hna thawk thei lovin a chhiat phah hial a ni. He tlangval hi roreltuten, UK Computer Misuse Act hmangan, an hrem a ni.

(12) **Data Diddling:**

Cyber crime zingah chuan a thleng zing pawl tak a ni awm e. Computer chhunga data pawimawh tak tak dah that te, a neitu phalna la hmasa lova an data lo tihdanglam sak hi “Data Diddling” an ti. Hetianga data tihdanglam hi data dahluh hma emaw dahluh laini emaw tihchhuah hmian emaw an tidanglam tlangpui thin. Heng sualna in a nghawng tlangpui chu Bank, payrolls, inventory records, credit records, school transcripts, etc te an ni.

Kum 1996 khan New Delhi Municipal Council in private company hnenah an electric billing, computerized accounting, record maintenance leh bank a pawisa dah luh thlengin an khawih tira, he private company hi computer professional an nih avangin an computerized accounting te tidanglamin an pawisa dawn zat aia tlem dawng anga lantirin, a tam zawk chu he private company hian a lo fanghma no ei hmiah thin a ni tih hmuh chhuah a ni. Hetiang hian computer professional-te hian min bum thei tih hi mizo mipuite pawh hian kan hriat a pawimawh khawp mai. Entirnan, Mizoram lottery computerization chung changah te hian private company te hian an duh phawt chuan sorkar an bum kual thei a, electric bill, water bill leh telephone bill chungchangah te pawh hian mipuite pawh min bum ve thei bawk. Thawkkhat laia mizo mipuiin telephone bill chungchanga rinhlelhna awm thinte pawh kha hetiang thil avang pawh hian thil thleng thei a ni ve bawk. Amaherawhchu Mizoram chhungah chuan hetiang thil hi a la thleng chiah lo anih a rinawm.

(13) **Salami Attack:**

Hei hi sum leh pai khawihna chimawm tak mai a ni. A hming ang mai hian pawisa tlemte atanga pawisa tam tak siam chhuahna hmanrua pakhat a ni a. Entirnan, banka hnathawk pakhatin an bank server chhungah computer program pakhat dah lutin, chu program chuan bank account neitu zawng zawng hnen atangin thlatin Rs. 2/- zel an account atangin automatic-in lo paih (deduct) sakin ama account-ah lo in deposit tir thin sela, a bank account neitu tan a hriat tham mai siloh avangin hmuhchhuah a har em em thin. Hei hi mi bank account atanga pawisa in ruksak dan kawng khat a ni a, hetiang hi “Salami Attack” an ti a ni.

(14) **Denial of Service Attack:**

Computer leh computer thlunzawm (networked) anihin, computer pakhat atangin computer dangah, engemaw avangin data tullo tam tak thawn chhuak sela, chu chuan computer dang kha engmah thawhtir hlei thei lovin a siam thei a, a tawpah chuan a chhiatpui phah thei bawk. Hetiang hi “Denial of Service Attack (DOS)” an ti. A bik takin Internet khawvelah hetiang hi a thleng tam hle. Computer program hetiang lama hnathawk chi pawh tam tak a awm thei, chu chuan kan computer network zawng zawng pawh hna thawk theilo tur khawpin a bandwidth a lo hmang zo vek thei a, heng avang hian kan network connection pawh a tihmuan phah hle thei bawk. Heng avang hian Web Server thenkhatten hnathawh theih miah loh chang an nei fo thin a, churang chuan kan website te pawh a chhiat (down) chang a awm ve fo thin.

(15) Virus/ Worm Attack:

Computer virus kan tih thin hi software program te tak te computer operation ti chhe thei tura siam, computer pakhat atanga computer danga darh zau zel thei tura siam a ni thin. Virus chuan computer chhunga data kan dah thatte a tichhiain, a tireh (delete) vek thei a, kan computer hard disk chhunga data awm zawng zawng pawh a tibo vek thei. Email-a attachment hmang hian virus hi awlsam takin thehdarh theih a ni. A tlangpuin, an thu thawnte hi chhiar chakawm tak leh lo en (view) chakawm tak turin milemte, greeting card te, audio/video clip te an thawn tel thina chung chu virus kaina tura chawchah a lo nih si avangin awlsam takin virus kan kai thin. Chuvangin email leh sms kan hriat ngailoh hnen atanga thu kan dawnte hi hawn vek kher loh hi a him ber a ni. Tin, Internet atanga software kan download in virus kai a awlsam em em baw, khang software hriat chian loh ah khan virus software an lo telh thina chuvangin hriat chian loh website atanga software download hi a him lo thei baw. Tin, website thenkhat, a bikin pornographic website tlawh hian virus kai a awl em em baw a, website kan tlawh hian kan computer chhunga cookies ah hian software thenkhat a lo in download tel thina chung hmang chuan virus hi tihdarh a ni thin. Email leh Internet hmang thintute kan fimkhur thiam a pawimawh hle a ni.

Worm hi software program chikhat ve tho ni mah se, virus nen an hnathawh dan a in ang hle. Virus chuan hard disk chhunga data te a nawtreh (delete) thin a, worms erawh chu amah leh amah intipung chawpin hard disk-a hmunruak (space) awm zawng zawng a luah khat vek thin.

(16) Trojans & Keyloggers:

Program code hlauhawm tak kha software program hlauhawm loh zawkah khan an dah belhbawm a, chu software program hmangtute computer chu a tichhe thei a, an computer chhunga password pawh a ruksak thei baw thin, heng hi “trojans” an ti. B.C 12 vel bawra Greek ho in Troy an hnehna bul ber kha Trojan Hourse an siam chawp chhunga Greek pasaltha tawmrak vang a ni a, khami hming chawi khan “Trojans” hi phuah a ni. A awmzia takah chuan thil eitur tuihnai takah khan tur han phul tel ta ila, chutiang ang deuh chu a ni mai awm e. Trojan horse hrang hrang a awm thei a, chungte chu Remote Administration Trojans (RAT) te, password trojans te, keyloggers te, destructive trojans te leh priviledges elevating trojans te an ni. Trojans tihbuai computer reng reng chu hmun hla tak atang pawhin an computer kha duh duh hunah an access thei a, an password an hriat sak thei a, an keyboard a an type zawng zawng pawh an hre vek thei baw a, chuvangin a hlauhawm em em a ni.

Internet kan hman na lamah hian kan computer chhungah, kan hriat loh hlanin password trojans te, keyloggers te a lo awm palh theia. Chuvangin, Internet hmanga pawisa thawn thinte, mahni bank account check thinte leh thil lei thinte tan abikin fimkhur a ngai leh zual. Tin, kan zinna hotel hmunah leh cyber café ah te hian “keylogger” dah an chin avangin fimkhur a ngai hle baw.

(17) Web Jacking

Website enkawltu te hian an website a file an upload dawnin administrative username leh password an nei thin a, chu chu misualten engtin emaw lo ruk sakín an website te an duh duhin an lo thlak danglam thei thin. Heng hi “web jacking” an ti a, misualin thlawhna thlawk lai an hijack ang deuh chiah hi a ni.

(18) Logical Bombs:

Logical bomb hi time bomb ang deuh a ni a, hun bi neiin hna a thawk thin. Hackers ho hian, Internet kaltlangin, mi computer a dah ruk an ching. Entir nan, Internet kan hman lain emaw eMail kan hriat ngai loh hnen atanga mail kan dawnin emaw kan computer-ah program pakhat hunbi neia hnathawk chi a lo lut ru reng thei. Chutiang a lo luh ruk chuan kan computer kha hun bi neiin a rawn tichhe thei.

(19) E-Mail Frauds:

E-mail hmanga in tihderna/inbumna thil a ni a, tunhnaia lar em em ‘Nigerian Scams’ an tih pawh hi eMail frauds chikhat a ni. Tunlaiin eMail chauh lo, SMS hman pawhin inbumna hi a hluar hle a, chung an thu thawn tlangpui chu ‘Lottery I man a, pawisa tamtak i dawng a, i bank account min hrilh la, kan rawn deposit dawn nia/ Africa ramah mi hausa tak a boral a, thurochhiah a neihloh avangin a pawisa hi i account-ah rawn dah a ni anga, 50% i nei dawn nia’ tih te a ni. Mitam takin a tak tak emaw tiin an sawi ang angin an ti thin a, a tawpah bumna thang a ni tih an hriat hnuin a lo tlai tawh thin. Nigerian scam avanga buai, chhungkua tam tak NE ah hian an awm mek a ni.

(20) Phishing:

‘Phishing’ hi ‘Fishing’ atanga rawn kal a ni a, mi tuin emaw email a rawn thawn che a, entirnan i bank account check turin a rawn hrilh che a, click mai theih turin “link” a rawn pe bawk che a, chu “link” chu i click veleh hmun dangah a hruai daih thei che a ni. Kha site kha nangma banking site nen inang chiahin an siam a, username leh password i chhut luh chiah khan i bank account kha an lo hack theih phah ta a ni. Chuvangin e-mail atanga i dawn “link” reng reng visit loh tur, a bikin bank account i neihna website phei chu nangmah ngeiin i chhu lut anga, engtiklai pawhin “address bar” entry kha a dik ngei ngei tur a ni.

(21) Pharming:

I website tlawh tum tak kha “Address bar” ah a address dik reng chung siin hmun dangah a hruai daih thei che a, hei hi ‘Pharming’ a ni. Pharming awm theihna bul ber chu virus/ worm/ trojans vang a ni thei a, he’ng hian “DNS Entry” an ti danglam thei a ni. Mahse DNS server reng rengte hi tha taka enkawl an nih avangin an him turah ngai ila, nangma computer chhunga “C:\windows\hosts” file kha virus-in a tih danglam chuan hetiang thil hi a thleng ve thei bawk. Online banking/ transaction etc i tih chuan he file hi check fo thin a tha. Pharming laka inven nan a chunga sawi tak ang hian i computer leh online banking server inkar kha “SSL” connection a ni tur a ni. Server diklo a nih chuan i browser khan warning a rawn pe ang che, “Do you want to proceed etc” a rawn tih chuan tih chhonzawm zel chi a nilo tih i hre mai dawn nia.