

**CYBER CRIME LAK ATANGA MIZO SOCIETY KAN HIM THEIH NANA
TIHTUR HRANG HRANGTE**

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1. INTRODUCTION:

Mizoten “Cyber Crime” kan hmehhriatna a la rei loh ngaihtuahin tunah chuan kan khawtlang nun min tibuaitu ber pakhat a ni ta hial mai. Mizote hi thil thar ngaihven tak chi kan ni a, thil thar lo thleng tawh phawt chu a that leh thatloh han ti chhin chak tak kan ni vek a, hetiangah hian lo tvisual fe fe pawh kan awm ta nawk a, damchhung chawr loh nana hmang pawh kan awm nual tawh awm e. He’ng kan thil tawn tamtakte hi chu pumpelh theih chu an ni ngei mai a, mahse invenna kan hriat hmaa kan lo tihte an nih avang leh kan hmanhmawh luat avanga a pawina ngaihtuah hman lote pawh kan awm ang. Chuvangin tun tumah hian “Cyber Security” lam-a kan hriattur pawimawh zualte kan thlur bing dawn a ni.

“Cyber Security” hian a huam zau thei khawp mai a, kan computer-a kan ‘data’ dah te, kan email te, kan bank account te, kan phone-a thlalak te thlengin a huam thei awm e. He’ng kan information neih reng rengte hi a hmangtu diktak ni lovin a lo hman a, thil diklo tih nana a lo hman khan thil sual a lo ni ta a ni.

Tunlai Cyber khawvelah hian mi tupawh a tuartu kan nih theih tawh avangin he’ng a hnuai a mi ang hian inveng theuh thei ila a duhawm hle ang.

2. CYBER CRIME LAKA FIMKHUR A NGAIHNA KAWNG HRANG HRANGTE:

2.1 Computer hmang thinte tan:

Tunlaih chuan computer hi in zawng zawng deuhthaw-ah a awm ta. Computer hi kan hman thiam vakloh avangin kan information / data dahte a hmutu tur ni lovin an lo hmu fo thin a, an lo ‘copy’ a, an lo tidarh thin a ni. Computer hmang mi kan nih chuan midanga inngat mai lovin mahni ngeiin kan thiltih duh tur ang chi hi kan thiam ve a pawimawh a, kan data-te pawh him taka kan dah thiam ve a pawimawh em em bawk. Hetianga kan inzir peihloh vang hian midang hriat atana kan duhloh thil tamtak miin an lo hriat phah thin a ni. Computer kan neiha kan hriattur hrang hrangte a tawi thei ang berin sawi lo tum ila:

- a) I computer hi ‘password’ hmangin i venghim ngei ngei tur a ni a, midangin an duh hun apiangin an hawng thei tur a ni lo. I private data an lo ru chhuak palh thei

- b) Computer-a file i delete tawh hi a thiam tan chuan 'recover' leh theih a ni tih hriat tur a ni
- c) Hidden file hi i fate'n nang aiin an lo haichhuak thiam zawk fo thin a nia!
- d) Public computer (cyber café etc) ah private data leh midang hriat atana i duhloh ang chi reng reng chu dah loh tur a ni
- e) Antivirus tha tak hmang la, update reng thin ang che
- f) Pen drive i hman reng rengin i computer-ah virus a luh loh nan fimkhur ang che¹
- g) Virus executable file hi folder icon angin an awm ve thin a, folder emaw tia hawn dawn chiah hian virus kha a lo run thin a ni² (e.g., new folder.exe)
- h) I computer-ah nangma personal codes (passwords etc) i dah tur a nilo, i thinlungah i vawng reng tur a ni

2.2 **Mobile phone hmangtute tan:**

Mobile phone hi kan chelek nasa tawh hle mai. Kan thil hriat zau tawkloh avangin mobile phone hian min ti mualpho nasa tawh hle a, kan inhrilh hriat loh a, kan fimkhur loh zel chuan he thil bawh hian min la tichhe zel dawn niin a lang. Chuvangin kan mobile phone hi tangkai taka kan hman a, kan tana chhiatna a nih lohna turin a hnuaia mite hi zawm tum hram hram ang u:

- a) I mobile phone kha zahmawh rawngkai thlalak nan hmang suh ang che, i tum loh deuhin i mualpho thei a nia, ser reh thei tawhlo i nei mai ang
- b) I ngaihzawngin thla lakpuia a sawm che chuan midangte hmuh atana i duh loh chuan laktir suh ang che, nakinah nangmah 'blackmail' nan a la hmang mai ang
- c) I mobile connection kha nangma hmingin i register tur a ni. Nangma hminga register a nih loh chuan man theih i ni
- d) I photo ID etc kha mobile connection siamtir nan midang hmantir suh ang che. I hminga mobile connection siam a nih a, kha mobile kha thilsual (Midang vau leh rikrap etc) tih nan hman a nih chuan man theih i ni ang
- e) I mobile phone-ah khan 'pirated' hla/ videos reng reng dah suh ang che
- f) Zahmawh lam thil video dah nan hmang suh ang che
- g) I phone a chhiatin authorised dealer ah chauh siamtir tur a ni. A part thalai an ruksak theih che bakah i thil delete tawhte thlengin a haihchhuah theih tih i hre tur a ni

2.3 **Internet hmang thinte tan:**

Internet tel lovin mi tamtak chuan hna kan thawk thei tawh lova, e-mail te pawh hmun tamtakah chuan official a pawm a lo nih mek tawh avangin tun atanga reilo

teah chuan internet hi tumahin kan pumpelh thei dawnlo a ni. Chuvangin internet kan hmana kan hriat tur pawimawh zualte lo en lawk ila:

- a) Website i hriat ngailoh atanga i lak software hmang mai mai suh, virus a awm tel thin. A bikin 'porn site' leh 'software cracking site' velah hian virus a tam
- b) Website i hriat ngailoh-ah in 'register' mai mai suh. I email kha mi tute emawin thil rawn thawn nan che an hmang let thei a nia
- c) e-mail i hriatchian loh hawng mai mai suh, i hawn veleh i computer a khawih pawl palh thei
- d) Chatting i ti emaw, social networking-ah emaw nangma nihna diktak pho lang ngai suh ang che
- e) I personal codes: Bank account number/ password etc e-mail/ SMS/ chatting emaw hmangin thawn ngai suh ang che. e-mail hi hacker tamtakin an lo chhiar ve reng thin tih hriat tur a ni
- f) Public computer i hman chuan i hman zawhah i browsing history/ cookies zawng zawng i pah vek tur a ni⁶. I password phei chu 'save' miah loh tur a ni

2.4 **Chatting ti thinte tan:**

Chatting kan han tih mai hi internet kaltlanga text messaging a ni a, internet-a lo online ve midang nen kan inbe thei a, kan thil type kha an awmna hmun atangin an lo hmu ve thei a ni. Tunlaia Mizote'n kan hriat lar ber chu MIRC a ni awm e. MIRC-ah chuan chat room hrang hrang a awm a, mahni duh ber chat room a zawm theih a, midang online vete list pawh a hmuh theih vek a, tangkai taka hmang tan chuan hriatna tihzau nan te, hmelhriat thatak neih belh nan te, technology lam hriat zau nan te pawh a tangkai em em a ni. Mahse he thil tha tak pawh hi a hmangtu azirin thil thalo tak a ni ve thei tlat mai. Chatting-a kan hriattur pawimawh zualte i han en thuk thuk teh ang.

- a) Chatting hi misual tamtakin beram vun sina midang bum an tumna hmanrua a ni thin tih hriat tur
- b) Kan faten chatting an hmelhriat tawh hnuah chatting lak atanga thiar fihlim tum ai chuan nu leh paten kan hriatpui a, kan kaihhruai a tha zawk fo. An mi biak thin te, an thu sawi thin te hriatsak fo a tha
- c) In ina computer kha hmun ualau zawka dah a tha fo, thilsual zirna hmun a titem a ni
- d) Chatting-ah hian mahni hming diktak hman ai chuan nickname hman a tha
- e) I mi hriat loh hnenah i phone number, address leh i nihna diktak sawi loh a tha zawk
- f) Mi reng reng rin loh phawt a him, eng anga fel hmel leh hrechiana i inhriat khan i hrechiang tihna a nilo, chutiang i lo ring thin a nih phei chuan "soft target" i ni reng tihna a ni zawk

2.5 **Social Networking hmang thinte tan:**

Social Networking-ah chuan mi tupawh a duh apiang an in 'register' thei a, mahni 'profile'-ah kan thlalak te, kan personal information chi hrang hrang kan dah lut thin a ni. Tin, midang pawhin an personal information an lo dahlut ve a, tichuan kha social network hmang ve midang nen kan inbe pawp thin a, kan thlalakte kan inthawn a, kan thlalakte pawh midangin an rawn en thin a ni. Social Networking lar deuh deuhthe chu Orkut, Frenzo, Facebook etc te leh kan Mizote ngei pawhin kan neih Misual.com, Lawrkhawm.com etc te an ni.

Tunlaiah Social Networking a lar hle a, kan thalaite pawhin an atchilh ta hle mai. Mobile phone atang pawha awlsam taka a tih theih tawh avang leh mobile operator te'n customer neih tam an duhna lamah a free-a an pek thin avangin kan tleirawl society a run mek a ni. He'ng social networking te hi han hman tawh chuan a zunah uai a awl hle a, midang kan la hmuh ngai loh, khawvel hmun hrang hrang a mite nen kan inbe pawpin thianah kan insiam a, kan inbiak rei hnu phei chuan kan chhungte ai pawhin kan ngaina zawk thin a ni. He social networking hian thatna tamtak nei mahse mi tamtak tan chhiatna a thlen tawh a. Mi thenkhatten mahni nihna ang taka lang lovin midang an be tlangnel a, an thuruk ril tak thlengin an zawt chhuak a, chumi hnuah an 'personal information' zawt chhuakin an salah an tang thin a ni. Hei hi thil thleng thei ni awma ngaih a nih loh laiin kan Mizoramah ngei pawh kan awm ve ta. Mahni tum reng vang nilova pasal nei ta te, an bank account information an pek avanga bank-a an pawisa zawng zawng lo hmansak te, social networking atanga an hriat, an mi rin em em ten an lo bum tak te pawh sawi tur a lo awm ta. Chu'ng avang chuan a hnuai thute hi zawm i tum hram hram ang u:

- a) Nangma chanchin kimchang reng reng social networking site-ah dah suh ang che
- b) Mi i la hriatchian lohte hnenah i chanchin hrih vak suh la, biak dan chin tawk hria ang che
- c) I thlalak reng reng, midang hmuh atana i duhloh chu dah reng reng suh. Nakinah kawppui dang i la nei thei a ni tih hria la, fimkhur thiam ang che
- d) I mi hriatchiante chauh lo chu 'Friends' angin pawm lo ang che
- e) I thiante chanchin kimchang pawh dah loh a tha, hlauhawmah an awm ve thei
- f) I thil thawn reng reng hi midang kutah a awm tawh tih hria la, i duh thu ngeiin i paih thei tawh kherlo. I paih emaw i tih lai khan a site neituten an kawl tha reng thin a nia.
- g) Social Networking atang hian inbiak tlangnel a awl hle a, a tak taka inhmuh kher tum a thalo. Inhmuh kher i tum a nih pawhin hmun ualau chauh i thlang dawn nia

- h) I lan that berna thlalak i dah thin a, midangin an rawn fak che hian lawmna vak tur a awm lo. An rawn fak che khan nangmahah nuam tihna a awm a, khami khan i duh loh thlengin a hruai ang che
- i) I thiante zingah hetiang ching an awm a nih chuan a hlauhawm theihna i zirtir ve dawn nia

2.6 **Online Banking hmang thinte tan:**

Tunlai hian ‘Online banking’ pawh kan uar ve ta viau mai. Online banking-ah chuan miin a bank account kha internet kaltlangin a ‘access’ thei a, transaction pawh a ti thei a ni. Internet kaltlanga bank account luh dawn hian ‘username’ leh ‘password’ combination hmanga luh a ni tlangpui.

Internet banking hi mi thenkhat chuan kan hman tangkai viau tawh laiin mi thenkhat erawh chuan kan la hriatchian loh avangin kan la hmang ngam meuh rihlo. Online banking hi a thatna lamah chuan a awlsam a, khawi hmun atang pawhin kan pawisa kan lachhuak thei a, pawisa tello pawhin kan bank account atangin thil kan lei thei a ni. Tin, nakin lawkah internet atangin phone bill, tui bill leh electric bill thlengin kan pe thei tawh dawn a, thil tangkai tak a ni.

Mahse a lehlam zawngin han thlir ta ila; hetiang a thil a awlsam lai hian rukru leh misual ho pawh an awm mai mai bik lova, kan pawisa ruk theih dan an lo zawng ve ngar ngar a ni tih hi hriat tur a ni. Chutih laiin tunlai khawvel thiamna sang zel hi kan man ve zel loh chuan kan hlui mai dawn si a, Chuvangin mipuite pawh kan in tuaithar ve zel a, chak taka thil kan man ve a ngai. He’ng a hnuai a point pawimawhte hi zawm tum ila, kan sawi vek senglo ang a, mahni pawh kan inzir belh zel dawn nia.

- a) I password / PIN code hi post kaltlangin i dawng ang a, hei hi mi tumahin an hrilh tur che a ni lo. I dawn laiin tih chingpen anih chuan hmang lovin Bank hotute hrilh nghal vat tur a ni.
- b) I password / PIN code reng rengte midang i hrilh tur a ni lo a, lehkha-ah pawh i ziak tur a ni lo, i thinlungah i vawng reng tur a ni
- c) “Remember password” leh “Auto log in” option reng reng i hmang tur a ni lo.
- d) I bank account neihna website i hrechiang tur a ni³
- e) Online banking i tihna website chu a him tawk tur a ni⁴
- f) Phishing / Pharming lak atangin i inveng dawn nia⁵
- g) Transaction i tih zawhin browser kha “close” ringawt lovin i sign-out/ log-out ngei ngei tur a ni
- h) Transaction i tih zawhin computer-a Cookies/ History zawng zawng clear vek tur a ni⁶

- i) Transaction i tih thinna account ah khan pawisa tamtak dah a tha lo, fimkhurnan leh tihsual palh a awm theih avangin

Heng a hnuai mi te hi a tlangpuiin i himna entir theitu a ni ang:

- Address bar-a address kha a dik tur a ni
- Address bar address kha “https://...” in a intan tur a ni
- Browser khan warning message a rawn tilang lo

2.7 Online Shopping hmang thinte tan:

Tunlaiin online shopping a lar ve ta viau a, kan bank account atanga kan lei thin a nih avangin online banking nen pawh a in kaihhnawih tlangpui a, he'ng a hnuai ami te hi zawm tum bawk ila:

- a) Website i hriatchian atang chauhvin thil i lei dawn nia
- b) Secured connection a awm leh awm loh i check dawn nia (<https://xyz.com>)
- c) Thil i lei dawnin nangma information tam tak pek a ngailo, a rawn zawt tam viau che a nih chuan nangma “personal identity” hriat an duh vang a ni palh thei
- d) I thil lei tur reng reng kha “inclusive of all charges” a nih leh nih loh i hrechiang tur a ni, i tum aia tam i seng palh ange
- e) Transaction i tihna copy kha print la, a copy i kawl dawn nia

3. KHAWI ATANGIN NGE “CYBER ATTACK’ A LOKAL THIN

3.1 Nigerian Scam (e-Mail, SMS etc):

Tunlaiin kan email leh SMS ah te “Pawisa tamtak i dawng a, i bank account min hrih 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 ei dawn nia.... Lottery i man a, a processing fee \$4000 hi he account number-ah rawn deposit rawh....” tih vel an thawn thin a, mi tamtak chuan a tak tak emaw tiin an sawi ang an ti puitling a, pawisa tamtak an chan phah thin a ni. Chuvangin hetiang email/ SMS kan dawn chuan a tak tak a ni lo tih hriat tur a ni a, ngaihsak loh tur.

3.2 Virus/ Worms/ Trojans/ Backdoor etc:

Tunlaiin “Troy” film a lar hle a, kha film-ah khan sakawr lim chu Greek hovin an siam a, Trojan hovin an tana thil tangkai tak tura an rin avangin an kulh chhungah an lalut a, amaherawhchu kha “Trojan Horse” khan a chhungah Greek pasaltha a lo pai teuh mai a, Troy a tlawm phah tih kan hmu. Khatiang chiah khan software thenkhat chu kan computer-ah kan install a, tangkai taka hna a thawk emaw kan

tih laiin lehlamah kan computer hi midang luh theih turin a lo hawng ve thin a ni. Chuvangin software kan hriatchian loh hi kan hmang mai mai tur a nilo. (He'ng Virus, Worms, Trojans, Backdoor etc te hi Malicious Software (Malware) tia koh an ni a, hmun thenkhatah chuan virus ti ringawt pawha sawi a ni bawk.)

3.3 **e-Mail/ SMS kaltlangin:**

Mi thenkhat chuan e-mail / SMS kaltlangin thu pawimawh kan thawn thin a, hei hian thil pawl tak a thlen thei fo mai. Entirnan, mi pakhat chuan phaia awm a fanu hnenah pawisa a thawn dawn a, a fanu chuan a bank account number a rawn thawn a. Mahse he e-mail hi hacker pakhat chuan lo hmuin a ti danglam a, ama bank account-in a lo thlak ta daih mai a, chuvangin Bank-a pawisa a deposit chuan hacker account-ah a lut daih thei a ni.

Kan hriattur pawimawh tak chu e-mail leh SMS kan thawn te hi a operation enkawltute kutah a awm tih hriat a tha a, an duh chuan an lo chhiar vek thei a ni. Hacker dang pawhin an lo chhiar thei bawk a, chuvangin kan fimkhur hle tur a ni. e-mail hi a thiam tan chuan midang chhiar theih miahloh, a dawngtu tur chauhin a chhiar theih turin a siam theih a ni.

3.4 **Social Networking kaltlangin:**

Social Networking leh third party website-a kan in 'register' atangin kan personal information tamtak miin an lo hmu thei. He'ng atangte hian kan password te an lo 'risk' thei a, tin, kan e-mail password te pawh an lo hriat theih phah thin a ni. Entirnan, website pakhat i in register a, chutah chuan i yahoo e-mail password a rawn zawt che a, a dik taka i chhan vaih chuan kha website neitu khan i password a hria tihna a ni dawn a ni, fimkhur a ngai hle.

3.5 **Password fimkhur loh atangin:**

Mi thenkhat chuan kan password hi a pawimawhna kan hre chiahlo niin a lang. Kan password reng reng hi mahni chauhva kan hriat tur a ni a, midang hrilh chhawn chi a nilo. Loh theih loh avanga midang kan lo hrilh a nih pawhin a theih hmasa berah kan thlak ngei ngei tur a ni. Kan password kan ven fimkhur loh vanga miin an tuar a nih chuan kan thiam loh liau liau a ni a, password kan va hrilh a khan a tuar thei lo reng reng.

Tin password hi kan thlang uluk vak lo thin a, hei hi hackers tamtakin kan password min ruksak nan an hmang fo mai. Kan hming emaw, hming lar tak, miin an rin theih nghal tur reng reng hman hauh loh tur a ni.

3.6 **Kan wallet / purse / phone / ATM Card tihbo atangin:**

Keimahnhi thil, wallet / purse / phone / ATM Card etc kan tihbo atangin miin kan information an lo ruchhuak ve thei. He'ng thilte hi kan tibo a nih chuan Police-ah FIR thehluh tur a ni a, a rang thei ang berin a concerned authorities (e.g., ATM card a nih chuan Bank, Mobile phone a nih chuan Mobile Service Provider) kan hriattir nghal tur a ni.

¹ **Pen drive hman fimkhur a tulna:** Tunlaiah pen drive hmangin virus a darh nasa em em a, chuvangin fimkhur takin kan hmang tur a ni. Pen drive chhungah hian "autorun.inf" file a awm thin a, he file hi "hidden" anga a awm thin avangin hmuh mai theih a ni lo fo. I pen drive kha i hawn rualin kha autorun-in a ken tel virus kha a lo "run" ta a, i computer kha a infect thin a ni. A hnuaia mite hi i zawm hram hram dawn nia:

1. USB disk security software thatak hmang ang che
2. Pen drive i hawn dawn reng rengin "double click" hmangin hawng lo la, windows explorer atangin, standard toolbars ami "folders" kha click la, window sira navigation hmang khan i hawng thin dawn nia.
3. Windows explorer atangin menu: tools>>folder options, "View" tab atangin "Show hidden files and folders" leh "Hide protected operating system files (Recommended)" tick loh atangin virus file: 'autorun.inf' kha a hmuh theih ang.

² **File extensions:** menu: tools>>folder options, "View" tab ah kal la, "Hide file extension for known file types" kha tick lo ang che, tichuan file reng reng kha an file extension a rawn lang mai ang. Executable file chu ".exe" a ni nga, MS word documents chu ".doc" etc. Folder icon ang tak, ".exe" a tawp a nih chuan delete nghal hmak ang che.

³ **Bank Account i neihna website chu i hrechiang tur a ni.** e.g., Axis Bank-a account i neih chuan www.axisbank.com emaw, www.axisbank.co.in emaw a ni tur a ni. Hetiang hming ang tak hian (e.g www.axixbank.com) mi an bum thei a ni tih hriat tur.

⁴ **SSL Protected Connection:** Website i tlawh reng rengin i computer leh server inkarah computer dang tantak a kaltlang tih hriat tur a ni a, chuvangin i computer leh server inkarah 'secure connection' (Secure Socket Layer(SSL) Protected) a awm tur a ni. Transaction i tih laia bank website address hi <https://...> in a intan tur a ni a, website address pawh a dik ngei ngei tur a ni. (eg. <https://www.axisbank.co.in> emaw <https://sbi.co.in>).

⁶ **Removing Cookies/History:** Internet Explorer i hman chuan "Tools>>Internet Settings" ah I kal anga, "General" tab chhunga "Delete Cookies" leh "Delete files" kha I click dawn nia. Browser dang i hman pawhin Cookies/ History paihna i zawng mai dawn nia.