

The Techno-Holidays Project

Phase I, PART I
Seminar on the Web 2.0 & Cyber Criminology

REPORT ON THE SEMINAR ON THE WEB 2.0 AND CYBER CRIMINOLOGY ORGANIZED ON THE 30th of MARCH 2011 AT THE AMPHI 600, UNIVERSITY OF BUEA BY I-VISSION INTERNATIONAL IN PARTNERSHIP WITH THE FACULTY OF SCIENCE

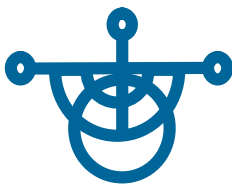
By Asama A. Excel, President & Ceo, I-VISSION International



Organizing team

CONTACT US:

I-VISSION INTERNATIONAL
SITUATED AT FEU ROUGE BESSENGUE
ON THE LAST FLOOR ON THE "CENTRE MEDICALE DE BESSENGUE" BUILDING
BOX 13040 DOUALA CAMEROON
T: +237 99 44 43 91
Email: info@ivission.net / ivissioninternational@yahoo.fr
Skype : @i-vission
Twitter : @ivission
Facebook : www.facebook.com/ivission.international



**i-Vission
International**



Table of contents

Introduction	Page 4-6
Phase II-The seminar	Page 6
How to use the internet to design projects and carryout research at a global scale simultaneously with partners abroad?	Page 7
How to use Web 2.0 to collaborate, communicate and share resources for free	Page 7
Web 2.0 applications for blogging and communication: Facebook, Twitter, Muziboo, WayDay, Wizimaps, Voipdiscount	Page 8
E-marketing(Run an Electronic Commerce)	Page 8
Developing and promoting peace via social Networking	Page 9
Use the power of web photos/videos to impact your world	Page 9
Digital Diplomacy	Page 10
Cyber criminology	Page 10
Cyber Warfare	Page 11
How can we fight against cyber crime and cyber warfare?	Page 11
Some remarks	Page 12
Feedback from the field	Page 12
The turn out	Page 13
Conclusion and recommendations	Page 13
THE CYBER ANGELS NETWORK	Page 13
Future events	Page 14
Key actors that contributed towards the success of this seminar	Page 14
CONTACT US	Page 14

Introduction

This long awaited and unprecedented seminar said for March 30th at 10am prompt at the University of Buea came to be a reality despite the fact that the spirit of punctuality was for many reasons absent.

By 1pm in the Amphi 600, the seminar officially began with the singing of the national anthem at the arrival of Mr Kofete Stephen, Representative of the Governor and Mr Asama A. Excel, President and CEO of I-Vission International

Immediately after the singing of the national anthem by the student body, the governor's representative was given the opportunity to present his message. Mr Kofete Stephen encouraged the use of the Information and Communication Technology (ICT) in our society as a tool for social development, and went forward to unveil some of the advantages of the ICTs in academic milieu in particular and the community in general.

Students were challenged to use these tools to carry out research and develop their studies.

Unceasingly, he mentioned the fact that the government is out for the advancement of technology provided it is used positively. Talking on cyber crime, he made it crystal clear to the participants that the government is ready, and is doing everything possible to crack down cyber criminals. He quoted an example of three (3) university students who are presently behind the bars for such crimes.

The Governor's representative ended by encouraging the initiative to organize such a seminar which will not only empower citizens on the importance of the Web 2.0, but will ignite their understanding on how to use the tools to improve community standards.

He suggested that we should do more promotion in the future in order to involve more youths.



Next on the scene was **Mr Asama A. Excel**, President & Ceo of I-Vission International who came on with a twenty minutes summary of the seminar before the departure of the governor's representative.

He started by presenting I-Vission International to the audience as an Association legally registered with the Ministry of Territorial Administration and Decentralization (MINADT) since September 2008 with headquarters in Douala Cameroon.



I-Vission International is a non profit making organization with mission to: 'Bring the ICTs to the Center of Social Development' and hence break the digital divide between the north and the south.

He said "at I-Vission International, we strongly believe that in this information age; social development cannot be reached without the ICTs.

With this in mind, we Empower Protect and Connect people without discrimination of race, religion, sex or otherwise.

This could be seen in three (3) different sectors:

1) Computer basics

Under the computer basic program, we offer the opportunity for youths, students, employees, and other social actors to develop basic computer skills to permit them face day to day challenges...

2) Cyber security

Cyber crime is experiencing an exponential growth rate in sub Sahara Africa these days. Though some experts blame this social ill to the inability of government to rightly divide national resources, we look at things differently and think it is high time to set a solid foundation to counter attack this cancer worm before its too late.

The strategy of I-Vision International he emphasized is not to run after the criminals, but to prepare the citizens to face them squarely.

3) Social media

It is becoming more and clearer that an Internet presence is necessary for any business, organization or individual looking to succeed in today's high-tech environment. The advent of the Internet and the development of Web 2.0 have significantly changed the way people view and use the Web in both a personal and a business sense.

At I-Vision International, we do not consider the web simply as a place to retrieve information anymore; it is a place to interact and communicate with others, and build long lasting solutions in real time collaborative work

The President of I-Vision International made it known to the participants that the mission of this nation wide campaign is to empower citizens to use the Web 2.0 responsibly to develop personal capacities, improve standard of living on one hand and to foster social development on the other. He reiterated the indispensable nature of peace as a prerequisite to development and challenged the youths to use their ICT knowledge to impose peace in our nation through the cyber space.

He said they should:

- Google peace
- Tweet peace
- Facebook peace
- Broadcast peace through videos and other multimedia formats

"Every time you log on to your computer, you enter a combat zone". This he said, referring to cyber crime and cyber warfare.

Mr Excel Asama told the audience that the Web 2.0 is indispensable in this Information-Connected age. These tools are being used by super powers with a good understanding of their impact in communication.

From the initial stage, he went on: "...the Web2.0 tools were created to solve the problem of communication and daily changes; unfortunately this is not so today. More informed states are remotely commanding cyber insurgencies against sovereign states with mission to destabilize them through the masses.

He further explained the how-come or the genesis of the famous internet we have today. He mentioned the cold war context between America and USSR; with the ambition to have an edge

over their adversary, the US government funded some researchers in some four major institutes to design a solution for long distance communication. The Internet discovered at this stage was said to be primitive according to him simply because it was the back office of the United States of America. The expert then continued by giving the definition of the Internet as An independent network for public communication between computers in a network using the Internet and the transfer Control Protocols IP/TCP. It is important to know that the definition changed because the Americans could in no way still monopolize the net due to further findings that gave birth to the World Wide Web (WWW). Henceforth, no authorization is needed to have access to the Internet.

In the same line, he also mentioned the fact that the web 2.0 has brought about new tools that have to be discovered.

He defined **communication** as the **first power**, capitalizing on the fact that many countries do face a lot of crisis because their communication power is too low or in appropriate. After some explanations and a brief investigation on the role of cyber insurgencies in regional conflicts in North and West African States, he went on to ask the following question:

“Why is China not suffering the same problem?” According to him, the strong communication power and the mastery of the cyber space is fundamental to stability in that great nation.

The end of this brief summary was marked by the taking of family pictures and the departure of the Governor’s Representative at 1:45pm



Phase II

The Seminar

After a question and answer session with media men present, the second phase of the seminar started with Mr. Alex from the London School of Commerce who better explained how their school functions and their main objectives, few minutes before 3pm.



Mr. Excel Asama came in again with details on the importance of the Web 2.0 in our society today.

He demonstrated live on the giant screen how Web 2.0 applications are impacting the different corners of the world in various social sectors including and not limited to:

- Business
- Public Administration
- Civil Society
- Educational Systems
- Health etc.

Participants were moved when he unveil how these applications operate. Some aspects treated include:

- **How to use the internet to design projects and carryout research at a global scale simultaneously with partners abroad?**

With **www.zoho.com**: participants were thought how to design projects using online templates and collaborate with experts worldwide. Those who are lazy and lack the know-how were encouraged to engage Volunteers (Experts) online to do the job for free through the online application **www.sparked.com**

Titanpad.com: (the magic sheet that permits many people to work on it simultaneously). This he said is perfect for projects where many actors are involved in the development process

Google books: the perfect place to get documentation for free is the adapted library of the age. Students were called to make good use of its database at: **www.books.google.com**

- **How to use Web 2.0 to collaborate, communicate and share resources for free**

Www.wizimaps.com: (instant location sharing) is the solution for sharing locations around the globe with colleagues and command bases.

For example: with this web 2.0 application an athlete who is lost in the mount Cameroon Equatorial forest has the possibility to rush a code to the base with his mobile phone. When the code is typed in any web browser the exact location of the athlete on earth (longitude-latitude) will be shown with the aid of Google maps.

Talking on the SMS (Short Message Service), Asama Abel Excel surprised the audience when he said ***“the most dangerous and effective weapon for mass destruction that has been discovered in this generation is called the SMS”***

He made it known that the Short Message Service (SMS) can shoot to the extremities of the earth and has no limit; when sent (posted), it cannot be recalled and is sure to reach its target.

He later on brought down the adrenaline when he showed the participants how to use this tool for social development and propagation of peace

www.twitter.com: (A tool for micro blogging and SMS too) is very effective in real time communication between members of a community. He thought the participants how to create accounts in this application and warn them on the dangers of allowing manipulators to use subscribers to jeopardize the peace and stability we are facing in Cameroon. Those who designed the application are making millions of dollars positively and are developing their communities. We too can do same.

www.facebook.com: Another Web 2.0 application permits subscribers to share important stuff related to their persons and also the possibility to micro blog.

Mark Zuckerberg, an ex student from Harvard University and founder of Facebook is known to be one of the youngest millionaires on earth. Students were shown the simple trick behind Facebook and were challenged to sit back and think on similar solutions that will fit the Cameroon context.

www.Voipdiscount.com: (An application that permits users to make free Calls to about 52 countries for free) a soft phone with free destinations and cheap rates that students and even the administration can use to make long distance calls for free. Downloading and installing the application in a PC is all that is required with a minimum setup fee.

www.meetup.com: allows people in a community to meet, design projects, learn and share useful resources amongst themselves. The example of the Douala Netsquared Meetup group (**www.meetup.com/ivission**) and the University of Buea Netsquared Meetup (**www.meetup.com/ivissionbuea**) are some of the living examples that I-Vision International put in place with positive impact in the various locations

www.muziboo.com: (Store and access world music)

www.Surveymonkey.com: (Carry out polls online for free)

www.eventbrite.com: A wonderful Web 2.0 application that participants can use to organize events. It has all the necessary modules needed for a modern day event organization including ticketing, calendar, follow up etc

www.Wayday.com: Is an application that allows users to reduce the rate of burglary in their community. With Google maps, webcams and an online SMS system integrated, it facilitates the work of the police by producing more than twenty (20) snap shots, 30 email posts to neighbors, the police and friends in case of any burglary in an office or a private residence in a couple of seconds. It's free and could be used anywhere on earth.

E-marketing (Run an Electronic Commerce)

Four simple steps to design and run an electronic business:

1. **You need to have a product or a service** to market: This could be an article, a book, an artistic work etc.
2. **Shipping facilities:** How will you deliver the products or services to the client? Companies like Fedex, DHL etc. are adapted for such services for international transactions

3. **An online module (ecommerce website)** with the assistance of a web developer a dynamic website could be put in place to market the product online. Some free ecommerce service providers like **Amozone.com, Ebay.com, and alibaba.com** could be used to buy and sell products. Users will be requested to create an account and follow the online assistance in the different websites.
4. **Methods of Payment:** Online payment is one of the major challenges e-commercers face when transacting online. Still with the aid of a web developer, online payment modules could be integrated in ecommerce websites to allow for payment of services. **Www.paypal.com, www.clickbank.com,** offer free and (or) cheap services that you can exploit. Tutorials on how to use their services are available in their website.

NB: Online security must be insured when operating an ecommerce website. Though the above service providers have integrated security modules, it is necessary to contact online services providers like **VeriSign...**

Use the power of web photos/videos to impact your world





www.flick.com: an application by Yahoo to upload and share pictures is perfectly adapted to boost your image online and sustain activities.

Use **www.youtube.com** to upload videos for free.

The vision of the author of this application is to give the opportunity for users to broadcast themselves online. Few months after the creations of YouTube, millions of internet Users (internauts) subscribed to the services. Google had to buy it at millions of US dollars.

In the context of his lectures, he mentioned something very crucial nowadays: **Peace!** Which he defined as **the external expression of what one has in mind, in other words peace is a state of being.** He briefly explained the nature of peace, the desire to be free and the importance of sharing resources to be stronger.

Developing and promoting peace via social Networking

-  Text peace
-  Google peace
-  Face book peace
-  You Tube peace...

- Can social development be possible without peace?
- Can the desire for Cameroon to be an emerging nation by 2035 be possible without peace and stability?

Asama A. Excel empowered the participants on how to use these tools to transmit the message of peace through our cyber space and counter act machinations by lobbyists against Cameroon.

Digital Diplomacy

Digital diplomacy is all about government using the cyber space to promote and manage foreign policy, and even internal issues like relating to the citizens (G2C).

Tools like: **Facebook, Twitter, Myspace, linkedn, Flickr, Youtube, Online surveying modules** etc are some of the instruments in the hands of government to communicate and spread the policies of the state.

It is indispensable to know what people think, how they react to certain decisions taken by government and what innovative measure are to be used to bring about stability in the system.

The use of a **web Tv by President Paul Biya, online platforms by the Ministry of Public Service, the Ministry of Finance** and especially the **Sidonia** application at the Douala sea port are some of the examples to show that Cameroon is on a good footing, though more has to be done.

Cyber criminology

The seminar then went forth with the introduction of **CYBER CRIMINOLOGY**, still with Mr. Excel Asama. It is important to note that by this stage, the students who should have been putting on tired faces were on the contrary showing faces of people ready for the lessons till the next day.

The expert started by defining cyber crime: "... as any crime committed using a computer; the victim or target could be another computer, an information system or even human beings"... He emphasized on the fact that **computers are not those committing the crimes**.

He advised the participants to pay attention to the growth of crime as a result of the advent of the **internet**. **Excel Asama cried out that the Internet has transformed conventional crime into a global hi-tech enterprise. Crime is now organized and has no limit in the scope of action, with a blooming shadow economy.**

Participants reacted positively and interrupted the training regularly to ask questions on specific issues treated.

The different types and topologies of modern day cyber crime were brought to the light:

1. **Cyber terrorism** (This occurs when terrorists use the cyber space to promote their activities) The example of the 9/11 incident was cited, and a declaration one year after by His Excellency George Walker Bush saying: "...The very technology we designed ourselves, has been used by enemies of the USA to impact harm on us..."
2. **Social Engineering** (Using the cyber space to manipulate public opinion) this could be seen in some regional crisis; Côte d'Ivoire for example.
3. **Publication of illegal content** (e.g. a picture of ones nakedness on the net, pornographic films etc)
4. **Cyber prostitution** (Making use of the cyber space to prostitute)
5. **Electronic funds transfer fraud**
6. **Telecom fraud:** Fraudulent use of telecom services
7. **Software piracy:** Almost 98% of sotwares in Cameroon are pirated copies
8. **Identity theft:** Commonly seen with users of debit/credit cards like Visa, Master card (These cards are stolen abroad and data communicated through a network in Africa where they are used to make online payments of goods and services and the profit distributed amongst all actors involved)

9. **Scamming** (It is a con game that involves an artist or criminal, a victim and a middle man) A carefully designed and false story is posted through private emails collected from online forums or friends. The key in the game is the large sums of money involved. Due to greed, citizens end up falling prey to these criminals. The risk is that the criminal might end up killing the victim.

The different types of scamming include:

- Animal scam;
- Crude oil scam;
- Online dating scam;
- Nigeria 419 Business scam etc.

10. **Hacking** (Gaining access to ones information illegally) Examples and case studies of hackers were listed with their mode of functioning. Three types: White hats, grey hats and black hats

Cyber Warfare

Investigating the role of cyber insurgencies in regional conflicts

The active role cyber insurgents play in regional conflicts was uncovered with case study Egypt, Tunisia and Yemen. The President of I-Vission International warned the participants on the fact that Cameroon is already showing some signs of cyber insurgency.

Any time you get to the web you are embarrassed with call for actions from networks and negative groups abroad, to destroy this great nation Cameroon.

They are already manipulating some youth's internally and even civil society organizations.

The time has come for us, ICT Experts and Web communicators to prepare Volunteers and lovers of our fatherland to resist and counter act these moves if not, we will have just our mouths to weep in the long run.

This is one of the major goals of the nation wide campaign.

Still on cyber warfare, the **Wiki Leaks (Julian Assange) affaire** that brought to public thousands of giga bites of American diplomatic cables was considered to be the first ever World Wide Cyber Warfare in history.

Participants expressed mixed feelings through the questions asked.

He evaluated the threats faced by Cameroon and the vulnerabilities involved in our cyber space.

How can we fight against cyber crime and cyber warfare?

The following suggestions were made by the President of I-Vission International

1. The government should put in place legal structures that regulate activities in our cyberspace (Some laws have already been voted by Assembly and enacted);
2. Establish a Computer Emergency response System (CERT) to help prevent the spreading of identified crimes nationwide;
3. Encourage and foster a nation wide awareness and education on the issue;
4. Those managing critical Infrastructures and resources should be trained and updated with the tricks of modern day cyber crime;
5. The government is encouraged to integrate the issue of cyber crime in the national security policy and not just considering it as a social ill;

6. A Network between government and private sector is important, to exchange experience and intelligence in the domain of cyber crime and cyber warfare;
7. Special funds have to be put in place, to support private initiatives fighting against cyber crime;
8. Networks Intrusion Detectors and other specialized applications have an important role in filtering web trafficking and monitoring networks;
9. International cooperation and digital diplomacy must come to play, if we have to tackle trans national issues in our cyber space;
10. At the Individual level, participants were thought how to respect basic online safety principle like: never send money to someone you don't know, always update your computer anti virus programs, restrict access to sensitive data using passwords, don't use real names and identities while online, always keep laptops and other gadgets carrying important information in safe places, seek advice from embassies when dealing with foreign business partners for the first time, log off or disconnect internet lines when you finish working because the more you stay online the more risk you face, use filters, network scanners and monitors to control activities in a local network, know those with whom you want to carry out online activities before engaging; get a discern training on how to use the Internet before logging on, install firewalls and anti spywares to keep computers safe from BotNets (a group of affected computers in a network)

Some remarks:

- More than 80% of the participants were learning about the Web 2.0 and cyber criminology for the very first time;
- The issue of cyber crime attracted almost all the participants; this was noticed when students rushed into the hall in their numbers when we started talking on the issue;
- The youths are ready to build their capacities especially on extra curricular issues but lack the opportunity;
- We had very limited financial support;
- Youths can do exploits if they are well orientated;
- Government should consider and support youths better than ever before especially when they take initiative themselves;
- Though some authorities feared an escalation of the program in to an uncontrollable situation, they ended up satisfied both with the turn out and the impact.

Feedback from the field:

1. Everyone was satisfied with the seminar;
2. The impact was wonderful and up till this day, we are receiving mails from the field, calling us to come back for part II;
3. The Youths are ready to get more training on how to protect our great nation from cyber insurgencies;
4. The youths and all participants denounced cyber crime and will never engage in such activities if they are thought how to use the Internet positively to make clean money and better their lives;

5. The participants expressed their ignorance on the issues and vowed they would have been deceived easily by fraudsters if this seminar was not organized.

The turn out

Though students were asked to pay, this did not stop them from coming.

We had an impressive turn out of almost 900 participants from different social sectors.

We salute the presence of the representative of the Governor, Mr Mofete Stephen, the Regional Delegate for National Security, university lecturers, CRTV Buea, HITv and the Univerity Press (the Chariots)

Conclusion and recommendations:

The feedback from the participants show that they are ready to move ahead as leaders of tomorrow provided they are well orientated and adapted to present day challenges. This nationwide campaign will ignite the spirit of self responsibility and a sense of patriotism amongst youths.

The Web 2.0 and cyber crime are top issues that will determine the social stability of sovereign states in the nearest future; empowering and preparing citizens to use these tools positively and also to face the challenges of the modern day cyber crime will not only foster social development, peace and stability, but will go as far as improving the standards of living of the citizens;

1. Through these tools youths could be self employed;
2. Get partners abroad and engage in fruitful business deals;
3. Foster their education through mediation based pedagogy;
4. Get free services online, share resources and design community based projects;
5. Learn how to safeguard their individual cyber spaces and help government to better control our cyber space;
6. Get solutions to their challenges themselves and look unto government just for basic assistance and many more...

THE CYBER ANGELS NETWORK:

A network will be put in place in collaboration with the participants of the nationwide campaign to share resources amongst ourselves and follow up to make sure the impact of these seminars is felt to the least.

The network will also serve as an intelligent network to give feedback to government on activities in our cyberspace.

Volunteers working on this project will be called **CYBER ANGELS**

The website is under construction. An official ceremony will be organized to launch it publicly in the nearest future

Future events

This is just one in a series of seminars that I-Vission International will be organizing in a nation wide campaign.

All the ten regions are involved. A detailed calendar will be established in the nearest future.

Stay connected for updates through our website @:

www.ivission.net or facebook @ facebook.com/ivissioninternational

Key actors that contributed towards the success of this seminar

The Governor of the South West Region

The regional Delegate for National Security South West

Mr Vincent Titanji: The Vice Chancellor, University of Buea

The Mayor of the Buea City Council

The Dean of Studies: Faculty of Science university of Buea

Anagho Daniel: President of the Faculty of Science, University of Buea

The exco members of the Faculty of Science, University of Buea

Mr Enow Nestor: Manager of Maga Multi Print and Services Molyko Buea

Mr Alex: London School of Commerce Buea

University lecturers

Mr Asama A Excel: President & CEO, I-Vission International

CRTV Buea

HiTV

The University Press (Chariots)

Volunteers from the University of Buea

CONTACT US:

I-VISSION INTERNATIONAL

SITUATED AT FEU ROUGE BESSENGUE

ON THE LAST FLOOR ON THE "CENTRE MEDICALE DE BESSENGUE" BUILDING

BOX 13040 DOUALA CAMEROON

T: +237 99 44 43 91

Email: info@ivission.net / ivissioninternational@yahoo.fr

Skype : @i-vission

For I-Vission International,



Asama A. Excel

President & CEO