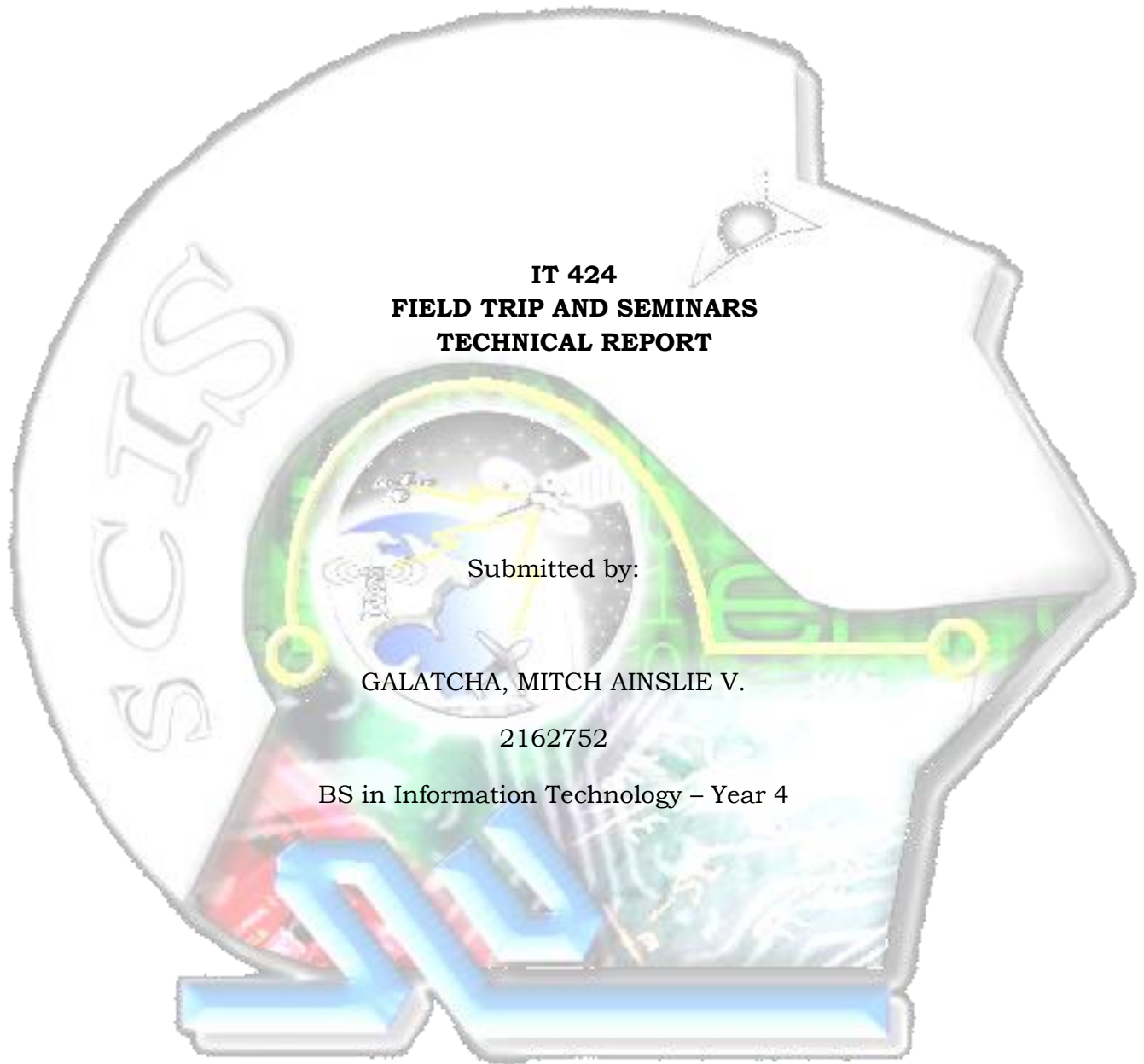


School of Accountancy, Management, Computing and Information Sciences

Saint Louis University

1st Semester Academic Year 2018-2019



SEMINAR REPORTS

A. SUMMARY OF SEMINAR / WORKSHOPS ATTENDED

NO	SEMINAR TITLE	DATE	VENUE	Remarks (leave blank)
1	11 th Northern Luzon Research Congress on Computing and Information Sciences	April 26, 2018	Prince Bernhard Gym, Saint Louis University, Baguio City, Philippines	
2	Cyber Defense Society Conference	October 10, 2018	Makati Shangri-La Hotel, Ayala Avenue, Makati City, 1200, Philippines	
3	Your Journey in this Digital Age and Digital Transformation	December 15, 2018	Devesse AVR, Maryheights Campus, Bakakeng, Baguio City	
4	Software Testing 101	December 15, 2018	Devesse AVR, Maryheights Campus, Bakakeng, Baguio City	
5	Seminar on Cybercrime Law of the Philippines	December 15, 2018	Devesse AVR, Maryheights Campus, Bakakeng, Baguio City	

B. REFLECTIONS

11th Northern Luzon Research Congress on Computing and Information Sciences

In this seminar, the topics that caught my attention was the projects **ParkInLot** and **Labado**. I choose this two because of the objectives of their project, which is to help the community. ParkInLot was my favorite topic, since their objective is to help the community who owns not only a car but also a garage. ParkInLot is a very helpful application because we all know that not only here in Baguio City but also in other places, we lack parking spaces, some parks on the sidewalks, some on open spaces and other more. ParkInLot allows drivers to find a space near their destination while Garage owners profits. In my opinion this application helps not only drivers and garage owners but also the community, it helps lessen traffic specially those drives who parks anywhere without considering what can happen if they were to park in the area, that's why this application also helps the community in many ways. Being a student, we all know that there are a lot of things to do like homework, project and review, because of these factors, the time in doing laundry is lessen and sometimes gone, so often go to laundry shop and pay, and with this we wasted energy, time and money. Labado is an application which is very helpful for those who are temporarily living in Baguio, because Labado is an application that helps their users in a more convenient way and cost efficient. Labado is application on where the user's laundry is picked up on their location, washed and delivered. This helps the users specially the students because students consume their time in going to the laundry shop and going back again to pick up their laundry, it also consumes their energy when their laundry is a lot. With some of these topics discussed in the congress, this inspired me as an Information Technology student to create a practical application to help the community specially those persons with disability and other more.

For this seminar, I choose the topics **AI and Machine Learning** and **the behavior of Threat like the four components of 'Threat' Agents, Actions, Target, and Consequences**. I choose this two topics because before I entered Saint Louis University, I was given the choice to choose what course am I going to take, and I said that I want to take Information Technology because I want to create a simple game that has an AI, AI is a big part in technology, because AI helps us in different ways. They are program to do what should be done depending on the command on the situation that was given to it. AI has been evolving in this past few days, even AI's can solve puzzles easily without doing much, what more if AI could do more than that. In this generation, people like me has two way of thinking of what AI can do in the future AI's might be a risk or a danger to us, or AI might be the one the solves all the question we tend to ask. AI powered machines in companies help them evolved and grow faster, because of AI, yes some of the works of human has been taken by robots but, because of this machine, companies has been able to produce faster and create a more consistent output. Next, the behavior of Threat like the four components of 'Threat' Agents, Action, Target, and Consequences. In this talk, I learned about malwares, yes, they were discussed on some of my subjects, but in this talk they were able to give as an insight on how they defeat different malwares, they showed us a script on how malwares are created and on how their program defeats such kind of malwares. It was a very helpful information, since in our generation there are million of types of malware that we don't know it even exist. We might not know what to do when we are to be affected, but at least we know how to avoid such malwares.

Your Journey in this Digital Age and Digital Transformation

For this seminar, since I want Web Development as my career path one of the topics, I choose was **Cake, Love & Javascript** and the other one is **How Secure is Secure? Securing threats of tomorrow, today**. For the topic Cake, Love & Javascript they discussed how they create and design a website. They related it to a cake, because in creating a cake, basically you create the structure just like in website you create the structure before you add textures in it. Sometimes it starts with a simple design before adding more texture into it, creating one's design is like creating a cake, in designing you put your imagination and heart into the website like creating the texture of the cake. In developing a website you first need to create the main structure of the website with HTML, the structure is the most important part of the website thus the design depends on the structure, in designing a website we use CSS or CSS3, this is the texture of the cake or the design in website, and then to make the website functionable we use javascript, javascript handles all the functions of the website such as buttons, animation control and other more. On my opinion, developing and designing a website is not enough, we create websites like a cake, we want others to appreciate the design of the website because we want them to visit and see how beautiful it is. For the topic "How Secure is Secure? Securing threats of tomorrow, today" I learned that technology is not that safe as everyone sees it. As for other people with little knowledge of computer, they don't know the risk of using the technology. People uses social networking sites not know the risk, they gave information about themselves without even thinking of what might happen with that information, people uses a weak password not knowing the danger of their information. Everyday people download different software from different website not knowing that there might be a malware within the software, a malware that creates or control the unit of the user. I as an Information Technology student, is responsible in sharing this kind of information, make them know that simply by sharing information on the internet with account's that has weak password can put them at risk; that by simply clicking on different links might let hackers into their computer.

Software Testing 101

For Software Testing 101, the speaker demonstrated all information on the **processes of software testing** such as planning, analysis, design and testing and other more, this gave us the knowledge on how we will test our project, the speaker also gave us reasons why testing is one of the most important phase in software development because on this phase this is where they check if all the client's need has been addressed, to identify the system's weakness and to identify all problems that may cause invalid outputs, thus for me the importance of client's need, software weaknesses and problems are the things that should always be considered in developing a system because this three are some of the biggest factors that affects software quality. The speaker also explained the **difference between manual and automated system**, manual testing is done on single or light testing while automated testing is done if the system needs a heavy testing, automated testing is a repeated test of the first manual test that they do, this knowledge will help us on testing our system so that in the future we will be able to finish the testing of the system before its deadline. The speaker also demonstrated one testing tool and one performance testing tool, to show us a basic process on how they test systems. The speaker also said that on our system we should always test it on the earlier phase of the development and on the latter part to assure a good software quality. Therefore, testing is one of the most important phases in developing the system because it covers a lot of things in one system. In my overall experience in the seminar I learned a lot of things about how we should test a software, why do we test software, what are the things that should be tested and other more. Testing is done because in my opinion this is to check if all the client's requirement is addressed and whether the software is enough for the client, and to ensure good quality.

Seminar on Cybercrime Law of the Philippines

In the seminar on Cybercrime Law of the Philippines. Topics like the **History on E-Commerce law** and **RA 10175 or the Cybercrime Prevention Act of 2012** was discussed and explained. The speaker talked about the history on why this law existed, the first law was created after the ILOVEYOU or referred to as the Love Bug that infected millions of computers around the world, there were no law in the Philippines in the time to file a case against Mr. Onel De Guzman thus the first law was created which is the e-commerce law. The E-Commerce law based on the speaker was rushed just so that a case may be given to Mr. De Guzman, and in my opinion E-Commerce law was really rushed because if I were to read the E-commerce act, it was only to address the crime of Mr. De Guzman. Since there is not enough law to govern different cybercrime in the Philippines when technology became a trend, Philippines created a law which is the Cybercrime Prevention Act of 2012 to govern all technology related crimes. Cybercrime Prevent Act of 2012 addresses different aspects on the use of technology like Piracy, Misuse of Device, and other more. In my opinion, the law is enough to govern all technology related crimes but as days pass, I also know that there will always be a new type of crime that needs to be addressed thus technology is evolving almost every day. The discussion thought me that there are different laws that could be filed against me on this present day, because on one single mistake on the use of technology can put me in to danger not just my life but also the life of others. Technology affects millions of lives it causes peoples lives that's why this law was implemented to protect us from anyone.

C. DOCUMENTARY EVIDENCES



FIELD TRIP REPORTS

1. COMPANY REPORTS

A. Company Name: MMDA (Metropolitan Manila Development Authority)

B. Brief Profile of the Company

The company is an agency of the Republic of the Philippines, they are tasked to create, plan and monitor the traffic of Metro Manila. They are responsible creating a good environment for their motorist, they are the one handling different accidents, crimes that happened and other more.

C. Nature of the company

MMDA is assigned to highways, roads, and traffic. Their specialty is to work on how to be transportation easier and convenient.

D. Company Observation

The company has a quiet working environment, everyone has their own unit to work on while being observed also on a big screen. The company has a large screen in front of them to observe different areas in Metro Manila, they monitor every accident, traffics and other more. Based on what I observe, they only work on one big space while on the second floor there is a small room which handles how different areas will be affected by different calamities.

E. Reflection on a specific concept and theory

Based on another observation, I think that the company uses a grid computing distributed system, because there are different computers connected to each other to create a single screen. Each computer is used as a resource.

A. Company Name: AWS (Advanced World Systems) Makati

B. Brief Profile of the Company

The company is a multi-lingual incorporation. The company was established in 1993 as an offshore research and development arm. The company was base in Japan. AWS has been operating for more than 25 years in four different countries, they are the partners of some of the leading companies like IBM Japan, Toshiba and other more. Each of their engineers should know both English and Japanese. AWS has a strong working ethics.

C. Nature of the company

The company offers different services such as application development, embedded software development, mobile-related development, software testing and QA, and other more.

D. Company Observation

Since we are limited to visit only an area in their company, we only knew how they work on what they work on in a presentation. Their company as said by their speakers are good in speaking Japanese and not only that, they have a good work ethic and they strictly follow the rules and guidelines specially that they are a company headed by a Japanese. I also learned that they are always developing new technologies.

E. Reflection on a specific concept and theory

In all the subjects that I have taken, I learned that we should always be ready to learn because there are always new technologies every day, and as an IT student it should be of hobby to us to learned new things.

A. Company Name: Nokia Corp.

B. Brief Profile of the Company

Nokia is a corporation that was based in Finland, it was founded 1865 also in Finland. The company develops different products such as phones for consumers and for business, they develop and transform communication networks. Their vision is “We create the technology to connect the world”.

C. Nature of the Company

The company specializes on Mobile Telephony or in other word Nokia is a Mobile Telephony Industry.

D. Company Observation

While having a tour in the company, I observed that all employees are divided into groups, and each group specializes on different technologies. Each group members are trained 6 months before they step into the main software development since the company uses scrum, and in the group, each are given different modules to work and each module is checked every week. I also noticed that the employees are busy working and quiet. Since we are limited in time, we only visited one of their places in a building, they own two floors and each floor have their own theme.

E. Reflection on a specific concept and theory

In one of my subjects entitled Software Engineering Fundamentals, I learned that SCRUM is part of Agile Software Development, in Nokia I saw that the groups were small, and base on what I learned SCRUM is more effective in smaller groups, this is to maximize communication between each member. I also learned that SCRUM is a common timebox of one month.

A. Company Name: Trend Micro Inc.

B. Brief Profile of the Company

Trend Micro is a multinational company that specializes on cyber security and defense, the company was first founded in Los Angeles, California. Their headquarters are found in Tokyo, Japan. They develop a security software for servers, cloud computing environment, consumers and different scales of businesses.

C. Nature of the Company

The company specializes on security, they create software that handles different kinds of malwares.

D. Company Observation

In their company, I observed that each employee is working professionally while having fun in what they are doing, also they said that they were using virtual machines in researching and developing security software. The employees are assigned in different groups to handle different kind of works. The company also owns multiple servers which is allocated in one room. I also observed that each employee is very friendly, and commonly some of the employee were fresh graduates.

E. Reflection on a specific concept and theory

In one of my subjects, I learned how to use virtual machines, I learned that virtual machines can be use a server or another computer on a computer. I learned that virtual machines can also be use to test different software whether it is compatible or not, and in Trend Micro, I learned that they use virtual machine to test their products, since it's much safer to test it in a virtual machine than on a physical machine, because on virtual machine if any issues arises, it only stays on the virtual machine unlike if you test it in a physical machine it may cause a permanent damage.

A. Company Name: Enchanted Kingdom

B. Brief Profile of the Company

Enchanted Kingdom is a theme park, or an amusement park located in Santa Rosa, Laguna, Philippines. It started around 23 years ago and as time passes, they opened new rides and on the coming year (2019) they will be extending their theme park. This is one of the places in the Philippines where people want to visit, it's a fun place and you can enjoy all new experiences.

C. Nature of the Company

The company is an amusement park industry.

D. Company Observation

In my observation all the rides are control and connected into a system. The safeness of the rides also depends not only on the maintenance but also to their system. This system helps them maintain all the rides; as said in the seminar their system is always updated as technology evolves, because as technology evolves, new malwares are created, so to maintain people's safeness their IT group helps in maintaining their system.

E. Reflection on a specific concept and theory

In my student career, one of my subjects thought us on how we should maintain the system because one bug on the system might cause a person's life, also on another subject I also learned how we could avoid such malwares, and what we should do if we would be affected.

2. LESSONS LEARNED

In our journey, I learned a lot of things specially on the work ethics of a company. In our generation technology has been a part of everyone's life and as time passes by technology around us has been evolving. Part of lesson I learned what security and safety on using the internet, we all know that in using the internet, our lives could be at risk when we don't use the technology well, I also learned in Trend Micro that there will always be a new threat in new technology. They companies around us ensures us the safety of using devices and the internet. As an aspiring IT student, all the things I learned was very informative, this information helped me to grow as IT student, and in this field trip this gave me an idea on what career path I should take. Mostly, I'm interested in protecting peoples lives not only those who are close to me but also those who uses technology who's not aware of the risks. I also learned that sometimes the technology we create as an IT person, might be the one that endangers people's life so one of the things that I learned was the importance of quality of a system/ software. We might not think of what might happen now but, in the future, people's life depends on it.

3. OTHER ASSESTMENTS (please check)

Items/Areas	Poor	Fair	Good	Very Good	Excellent	Remarks
Transportation Services					✓	
Hotel Accommodation and Services				✓		
Food					✓	
Tour Guide					✓	

4. DOCUMENTARY EVIDENCES



AWS Makati



Enchanted Kingdom Santa Rosa, Laguna, Philippines