**Unit 1: Approaching to IT**

**Write a brief description about your IT major basing on suggested questions:**

1. What is your major?
2. What do you study in your major?
3. What kinds of job can you do after graduation?
4. What are your job duties?
5. Do you like your major? Why/ Why not?

**Bài viết:**  
The time, we are living in, is called the Technological era. We have seen the effects of the Agricultural era and industrial revolution. So that motivates me to love technology especially software engineering which major I am studying at HAUI. Software Engineering supply the study of Engineering to the design, development and maintenance of software. The first reason I choose software engineering is my major at university because It has many career choices and earn high salaries from the start. And Second reason, I enjoy creating things and the process of building software applications. In the future, I am going to become a software engineering who is in charge of the design, installing, testing and maintaining of software systems. “The only way to do great work is to love what you do. If you haven’t found it yet, keep looking. Don’t settle.” - Steve Jobs

**Unit 2: Inside the computer**

**Write a paragraph (80-100 words) to describe the components inside a computer basing on suggested questions**

1. What kind of computer do you have?
2. What is its color, size, materials and brand?
3. What are key components of a computer? (name at least 3 components)
4. What are the functions of each component?
5. What is the processor speed/hard drive capacity/memory size of your computer?

**Bài viết:**  
My computer is a laptop which was a present from my parents. My HP laptop model is useful for my usual tasks with lightweight design, sleek silver look and a large 15 inches display. The basic structure of my laptop system is made up of 3 main hardware sections: Firstly, The CPU is a processor chip which executes program instructions and coordinates the activities of all the inner components. Secondly, Hard drive is a data storage device which is used to hold data for long-term use. Lastly, Motherboard is central to computer system that is used to connect all components to form the computer system. My laptop allows I to multitask with 4GB RAM, a 1TB Hard Drive and a processor Intel Pentium N3540 2.16GHz.

**Unit 3: Input and output devices**

**Write a paragraph about your favorite input/output device basing on the suggested questions**

1. What is the name of your favorite input/output device? (model, brand)
2. What is its shape? What is it made of? (size, shape, materials)
3. What are its specifications, functions and key features? (dimensions, weight, resolution, OS compatibility, component, capability,...)
4. What are its advantages and disadvantages?
5. Why do you like it? (compare with other products)

**Bài viết:**  
The Colorful 2.4GHz Wireless Mini Keyboard is an input device with dimensions of 6.8 inches wide by 4.7 inches high by 0.9 inches deep. It weighs 5.6 ounces and it is made of plastic. It works by entering information into the computer thank to typewriter keys for characters and numeric keypad. Moreover, The mini keyboard is rechargeable by using lithium battery, which is an intelligent power saving technology and each recharge can be used for along time. There are 7 colors in the backlist so I can choose one of my favorite colors in the dark night. It also features 77 high-sensitive, easy-to-use keys and adjustable three grades cursor speed, which makes users comfortable when using. But its instructions are vague and not easy to understand. It is my favorite device which helps creatives expedite my workflow.

**Unit 5: System software**

**Write a paragraph (80-100 words) about an operating system you know well based on suggested questions.**

1. What is the operating system?
2. Which platform was it most used for? (mobile, home computer, server network)
3. Which company developed it?
4. When was it developed and became popular?
5. What kind of user interface does it use?
6. How do you feel when using it?

**Bài viết:**  
Operating system (OS) is system software that manages hardware, software resources on computers and mobile devices. Android is a mobile OS developed by Google, based on a modified version of the Linux kernel and designed for touchscreen mobile devices such as smartphones and tablets. Initially developed by Android Inc., which Google bought in 2005, Android was unveiled in 2007, with the first Android device launched in September 2008. And then, Android has been the best-selling OS worldwide on smartphones since 2011. Android's default user interface is mainly based on direct manipulation, using touch inputs that loosely correspond to real-world actions, like swiping, tapping, pinching, and reverse pinching to manipulate on-screen objects. With the touch screen, the Android phone helps me easy to manipulate objects on the screen with one or two fingers of mine. Moreover, Android devices are compact and portable enough to take it anywhere so it’s become OS I like most.

**Unit 6: Programming software**

**Write about a computer language you know.**

1. How many types of computer languages are there?
2. What computer language do you know best?
3. By whom was it developed?
4. When was it developed?
5. What is it used for?

**Bài viết:**  
Now, I am learning to become a software engineer, so I have heard about many computer languages. Mainly there are two types of computer languages: Low-level language for example machine language, assembly languages and High-level languages such as BASIC, FORTRAN, PASCAL, C, Java, etc. I learned C is my first programming language and C also is a computer language do I know best. C language was developed at Bell Labs by Dennis Ritchie in the 1980s on which It gradually gained popularity. It has become one of the most widely used programming languages. C was designed to write system software, graphics and commercial applications. In my opinion, C is the easiest programming language to learn as a beginner. There are many languages have very similar syntax to C that make easy to learn new languages for everyone who knows C.

**Unit 7: Networking**

**Write the advantages or disadvantages of network.**

**Bài viết:**  
Nowadays, People usually connect to each other via network such as internet. Network has many advantages but also many disadvantages. First benefit of network is very easy to communicate with anyone. Network users can communicate by email, instant message, chatroom, video conference, etc… Another important advantage of network is the ability to share information and data. File can easily be shared between users. Finally, Sharing devices such as printers help save money. Therefore, there’s no need to have individual printers for each and every computer in company. Beside the advantages network also has some disadvantages. Users are also exposed to hackers who break into computer systems just for fun, as well as to steal information or propagate virus. Thus, security procedures are needed to prevent and protect crucial data. Although there may be many security risks for users, the benefits that it brings great. Because of this, computer networks are playing an increasingly important role in our lives today.

**Unit 8: Technical Report**

**Write a report (100-120 words) based on completed notes:**

**Technical Report:**

* **Date of call**: 22/2/2018
* **Time**: 4.50 pm
* **Problem commenced**: Not playing MIDI sound files
* **Fault diagnosis**: Faulty sound driver
* **Advice**: Reinstall the original sound drivers

**Bài viết 1:**  
I would like to make a detailed technical report to you. The call was logged at 4.50 pm on 22nd February, 2018. John Smith from Human Resource Department phoned to ask about a problem with his computer. He had a Lenovo laptop running Windows 10, which He bought a few months ago. He had noticed a problem whenever He tried to play a midi file on Windows Media Player. It sounds as if he might be due to an outdated, incompatible or damaged sound card driver. I advised him to uninstall the original sound drivers and update the latest drivers for sound card. He tried it and his PC was working fine. Finally it took me 5 minutes to deal with this problem.

**Bài viết 2 (EX!):**  
I would like to make a detailed technical report to you. The call was logged at 4.50 pm on 22nd February, 2018. John Smith from Human Resource Department phoned to ask about a problem with his computer. He had shut his computer off the day before and that day He couldn’t turn it on. It sounds as if he might have a loose connection. The best thing to do is to check the cable connections. He had checked them and found that the power cable had been unplugged. Maybe the cleaner disconnected his PC by mistake the previous night. It should go in the three-pronged port on the computer. As the result, his PC was working fine. And it took me 5 minutes to deal with this problem.