الجمهورية الجزائرية الديمقراطية الشعبية

République Algérienne Démocratique et Populaire

Ministère de l'Enseignement Supérieur et de la Recherche Scientifique

Direction de la Coopération et des Échanges Interuniversitaires

Nº: 446 /D.C.E.I.U/ 2017

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Messieurs les Présidents des conférences régionales universitaires

OBJET: Offre de bourse d'études en Chine

P.J.: note d'information

J'ai l'honneur de vous informer que le Ministère de l'enseignement supérieur et de la recherche scientifique est destinataire d'une offre de cent (100) d'études au titre de l'année universitaire 2017 – 2018, émanant de l'Université Food Processing Technology (FPT) du Vietnam et cela dans le cadre de la célébration du 55^{ème} Anniversaire de l'établissement des relations diplomatique entre l'Algérie et le Vietnam

Ce programme, est destiné aux étudiants qui souhaitent préparer un diplôme de niveau Master en informatique et génie logiciel .

Les conditions et les délais d'inscription sont contenus dans la documentation jointe en annexe

Je saurais gré, des dispositions que vous voudrez bien prendre à l'effet de nous faire parvenir les dossiers de candidature avant le 01 aout 2017, en vue de le parvenir dans les temps requis aux instances concernées.

Considération distinguée





SCHOLARSHIP ANNOUNCEMENT

TO: Embassy of Algeria

13 Phan Chu Trinh, Hoan Kiem Dist., Hanoi City

Greetings from FPT University Global Office!

It is to bring to your kind attention that FPT University has declared a scholarship program for 100 Algerian students who will be introduced by Government/ Embassy of Algeria in the academic year 2017- 2018 on the occasion of the 55th anniversary of diplomatic relationship between two countries.

The aim of the FPT Scholarship is to enable and encourage talent Algerian students to reach international programs in FPT University Vietnam where they not only study English and Vietnamese languages but also have an opportunity to exchange cultures and discover one of the top 10 most dynamic cities in the world. The detail of the scholarship has been listed below:

I. Scholarship Value

- Scholarships per student are \$1,500 (One thousand five hundred US dollar) for Bachelor, \$800 (Eight hundred US dollar) for Master student.
- Total scholarships in school year 2017-2018: 100
- Total Grand Budget for scholarship is \$150,000 (One hundred and fifty thousand US dollar)
- *** This scholarship will not be given by cash, and each student could receive only one scholarship.

II. Programs:

- Bachelor in Software Engineering
- · Bachelor in Business Administration
- Master of Software Engineering Intake for Bachelor:
 - 1. Fall 2017 (deadline to submit document is 10th August 2017)
 - 2. Spring 2018 (deadline to submit document is 10th December 2017)
 - 3. Summer 2018 (deadline to submit document is 10th April 2018)

Intake for Master

- 1. 3rd June 2017, (deadline to submit document is 25th May 2017)
- 2. 5th November 2017 (deadline to submit document is 20th October 2017) (See more details on our website: international fpt.edu.vn))







III. Eligibility to apply:

- Must be Algerian citizens
- Must be a high school graduate from an accredited educational institute
- Must have English proficiency: TOEFL (PBT): 500/ TOIEC (IBT): 65/ IELTS:
 5.5 or equivalent. (valid at the time of submission)
 (Students have no English certificate must sit for an English entrance exam held by FPT University.)

IV. Required Documents:

- Highest qualification- Certification & Transcript
- Passport & passport photograph (3x4)
- · Birth certificate
- · Health certificate
- Proof of English proficiency (IELTS/ TOEFL) (or register to take English placement test of FPT University) (for non-native English speaking students only)
- · Curriculum Vitae/ Resume
- Recommendation letter from Algerian Government/Embassy
- V. Shortlist: Shortlist will be informed a week after deadline of closing date of each semester as article I above.

VI. Contact for more information:

· Ms. Hoang Thi Thu Huong

Director of FPT University Global Office

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 International Admission Officer

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Whatsapp: +84 1676 389 114

Please share this scholarship with high schools, institutes and government offices in your home country so that Algerian potential students could reach their dream of studying abroad.

Thanks and best regards.

BAI HOC

Yguyen Khac Thanh

Rector

FPT University



PROPOSAL OF FPT UNIVERSITY, VIETNAM

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PROPOSAL OF FPT UNIVERSITY, VIETNAM

I. Background

1.1. Vietnam: A destination of peace and development

While Western spiritual, intellectual and commercial life has experienced the stagnation since the early medieval period, Asia has thrived to be the future dreamland, the wellspring of science, entrepreneurship and culture exchange.

"It is the heart of explosive growth for years to come" - U.S. President Barack Obama, APEC Summit, Hawaii, November 12th 2011.

Vietnam will open your pathway to the Heart of Asia:

Socialist Republic of Vietnam Capital: Harot

Population 89.7 million

Area 329,247 sq km (127,123 sq miles)

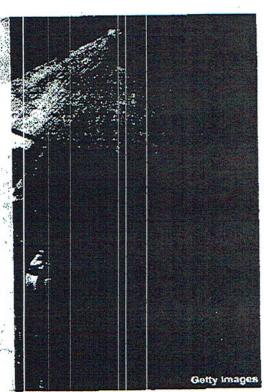
Major language

Major religion Buddhism

Life expectancy 73 years (men), 77 years (women)

Currency dong

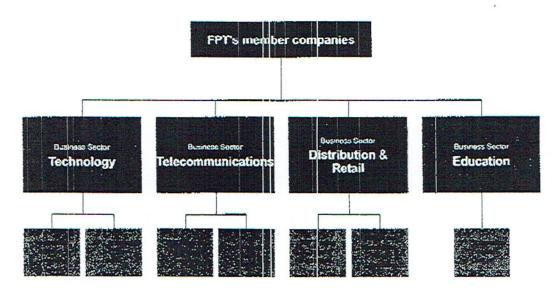
UN, World Bank



- + Considered as a Asia-Pacific nation with a "Pivot Position" due to its geo-strategic significance with China and Japan in the north, Singapore and Australia in the south and existing as the transport junction from the Indian Ocean to the Pacific Ocean
- + Being one of the fastest-growing economies in the world. It is going through a farreaching transformation from an inward looking planned economy to one that is globalized

Studying in Vietnam provides unparalleled opportunities for international students to enjoy a peaceful and affordable living in an Asian nation that is experiencing incredible economic liberalization and rapid development blended with traditional roots and a strong cultural heritage.

1.2. FPT Corporation, Vietnam: A pioneer to the future











11

years operating in tertiary education 18K

students in FPT Education 5.500

undergraduate students 1.400

lecturers & staff

YOUNG, STABLE AND HIGHLY QUALIFIED WORKFORCE

Human resources are the core value and the solid foundation which enables FPT to constantly generate added value for outlomers.

8,500+

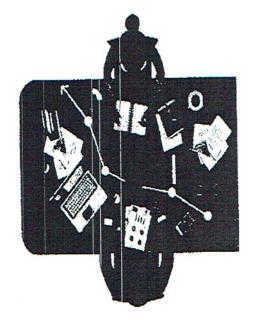
17,000+

6/DO+

IT engineers. technology axperts

ereployees under the age of 30 undergoing training

foreign start



Learn more Leadership

Business Scope

| ff Services | System Integration Software Solutions Software Outsourcing ERP Services | Software Outsidurcing With 7,500 software experts worldwide, we have adopted a low-risk Global Delivery Model (GDM) to ensure accelerated schedules are met with a high degree of time and cost predictability. FPT Delivery Center operates at all global footprints. Efficient processes and quality certified by CMMI Level 5 v1.2. SI & ERP Services Ranked No. 1 in Vietnam, with more than half of the domestic market share. Annual growth of the two fields is 40% and 90% respectively. Partners: Autenture, Dietixil, Check Point, Cisco, 1844, HP, Microsoft, NCR, Oracle, SAP, Unisys. |
|---|---|--|
| Teleconsmunication | internet Access Services Telecom Solutions and Network Online Content Products and Services | One of the leading ADSL providers: more than 1 million internet subscribers, 400,000 AC6s, subscribers, 30% market share, average annual growth: 50%. Provide ValP, KCR, ISR, OSP, and DXP, Set up belecom network and provide telecom services. Test mobile Wimax Available if 46 provinces/cities in Vietnam. Digital content products and services: E-newspaper, online music, online games: TV, mobile pressenger, online shopping etc. |
| IT Products Distributions & Manufacturing | Distribution of ICT Products Made by FPT Products | No. 1. distributor of 17 and Telecom products in Vietnam. 1,500 agencies in 64 provinces/cities across Vietnam. Distribute 50+ International brand names. IBM, Lenovo, Microsoft, HP, Nokia, Toshiba, Oracle, Sarmung, Cisco, Dell, Motorola, HTC, Apple, Intel Symantic, NEC, Seagate, MSI, Foxcona, Salvitsk, Logitskin Mode-by-FPT Products: Elead (laptop, desktop), F-mobile (mobile phone). |
| Education | University & College IT Professional Training | Leader in IT inducation & Training in Vietnam that educates internationally qualified human resources. University & College Majors: IT, Business Administration, Finance, Banking FPT Arena Niuttimedia Arts Training Center. FPT Appech International Programmer Training Center. |

1.3. FPT University, Vietnam: A promising destination for foreign students







98% of FPT students get Job within 3 months of graduation

15 % of FPT students work overseas in US, Japan, England, Germany, Singapore, etc.

27% of FPT student get the salary higher than the average salary in the industry

In recent time, Asia with its fast paces of development has become a prominent place for international students who are looking for a dynamic and multi-cultural environment, inexpensive tuition fee and living cost, better future job prospect, new geographical and culture experience, international network of friends and colleagues.

FPT University is one of the largest private universities in Vietnam, fully funded by an enterprise - FPT Corporation - the leading ICT Company in Vietnam. FPT University is also the first university of Vietnam that is internationally recognized at three-star standard by QS Stars. According to the definition of QS Stars University Ratings, the school that is rated 3 stars is a prestigious university at home, with certain international brand and its graduates are welcome by employers. Hence, studying at FPT University is not just about theory but also about gaining practical working experience with FPT Corporation and opportunities of onsite working in different parts of the world.

FPT University has a reputation of being one of the universities in South East Asia to enroll multinational / African students. Over 120 African students from various countries are currently studying in the University from 2014. With the advantages of affordable fees and high quality academic programs, the University soon became a favorite destination for students who dreamt of pursuing oversea higher education at a reasonable time frame and costs.

One of the most prominent client states of which FPT University has established a fruitful cooperation is the government of Nigeria and the State of Kogi, Nigeria. From September 2013 to present, the State of Kogi has sent and fully sponsored a pilot batch of 13 students to study in FPT University on the various programs of their choices. With this batch of students well within their final year at the University, it is clear to both sides that the students are on the right path of developing their skills and preparing for their future, thus more batches of students should continue to follow.

For FPT University, the cooperation to the Nigerians and the State of Kogi has emphasize its capabilities of delivering high quality education, thus ensuring its reputation as a reliable partner to other countries, state and country governing bodies. The model of partnership between FPT University and Nigeria in the State of Kogi should be a clear example of how a successful relationship can benefit both parties.

II. Details of program offered

- 2.1. Programs offered by FPT University:
- 2.1.1. Bachelor of Software Engineering
- a. Type of course: Full time
- b. Duration: 3 years (8 semesters)
- c. Tuition fee: 14,800 USD, Admission fee: 200 USD
- d. Course objective: This program is particularly suited to students with strong communication skills who will work at the interface between a software system and a business organization by:
- + Working on complex software development environments, operating systems, communications, web software, databases and varied applications, students will undertake studies in all facets of the software engineering process.
- + Focusing on software development life-cycle, but going beyond programming to assess and meet customer needs, and design and test software.
- + Developing software solutions often involves assembling extensive amount of code into working applications, as well as updating and fixing problems in existing software.

e. Course structure:

| lo | Subject Code | Subject Name | Credits |
|----|--------------|---|---------|
| | | Semester 1 | |
| 1 | MAC101 | Advanced Mathematics 1 (Calculus) | 3 |
| 2 | CSI101 | Introduction to computer sciences | 3 |
| 3 | PRF192 | Programing Fundamentals (C) | 3 |
| 4 | MAD111 | Discrete mathematics 1 | 3 |
| 5 | VNL111 | Vietnamese language l | 3 |
| | | Semester 2 | |
| l | MAA101 | Advanced Mathematics 2 (Linear Algebra) | 3 |
| 2 | SSG102 | Working in groups | 3 |
| 3 | MAD121 | Discrete mathematics 2 | 3 |
| 4 | PRO191 | Object-Oriented Paradigm (C++) | 3 |
| 5 | VNL121 | Vietnamese language 2 | 3 |
| | | Semester 3 | |
| 1 | SWE102 | Introduction to Software Engineering | 3 |
| 2 | PRJ101 | Core Java | 3 |
| 3 | OSG202 | Operating Systems | 3 |
| 4 | VNL131 | Vietnamese language 3 | 3 |
| | | Semester 4 | |
| 1 | CSD201 | Data structures and Algorithms | 3 |
| 2 | DBI202 | Introduction to Databases | 3 |
| 3 | PRN292 | .NET&C# | 3 |
| 4 | NWC202 | Computer Network | 3 |
| | | Semester 5 | |
| 1 | SWR301 | Software Requirement | 3 |
| 2 | SWQ391 | Software Quality and Testing | 3 |
| 3 | PRJ201 | Advanced Java | 3 |
| 4 | MAS291 | Statistics and Probability | 3 |
| _ | | Semester 6 | |
| 1 | SWD391 | Software Architecture and Design | 3 |
| 2 | | Specialized elective | 3 |
| 3 | | Specialized elective 2 | 3 |
| 4 | | Human-Computer Interaction | 3 |

| 1 | SWM301 | Information Technology Project Management | 3 |
|---|--------|---|-----|
| 2 | | Specialized elective 3 | 3 |
| 3 | | Specialized elective 4 | 3 |
| 4 | SSC102 | Business Communication | 3 |
| | | Semester 8 | |
| 1 | ITE302 | Ethics in Information Technology | 3 |
| 2 | | Free Elective I | 3 |
| 3 | | Vietnamese Culture | 3 |
| 4 | SWP490 | Capstone Project | 10 |
| | | Total credits | 115 |

^{*}Physical Education (implemented along the program): 6 credits

2.1.2. Bachelor of Business Administration

- a. Type of course: Full time
- b. Duration: 3 years (8 semesters)
- c. Tuition fee: 14,800 USD, Admission fee: 200 USD
- d. Course objective: The program will develop students' business acumen and management capabilities through an innovative and international program built on the expertise of the world-ranked FPT University in order to:
- + Prepare students to launch their career at a global level and play a fundamental role in companies and organizations by giving them the technical knowledge and leadership skills needed in Finance, Entrepreneurship, Marketing and International Business field.
- + Provide an international environment and connections to the business world that will enable students to lead a successful career in the world's top corporations or set up their own business.

e. Course structure

| No | Subject Code | Subject Name | Credits |
|----|--------------|-----------------------------|---------|
| | | Sernester 1 | |
| 1 | SSG101 | Working in Groups | 3 |
| 2 | ECO111 | Microeconomics | 3 |
| 3 | CSI102 | Introduction to Informatics | 3 |
| 4 | MGT101 | Introduction to Management | 3 |
| 5 | VNL111 | Vietnamese Language 1 | 3 |

| | | Semester 2 | |
|-----|---------|---|-----|
| i T | ACC101 | Principles of Accounting | 3 |
| 2 | ECO121 | Macroeconomics | 3 |
| 3 | MAC102 | Advanced Mathematics for Business | 3 |
| 4 | OBE101 | Organizational Behavior | . 3 |
| 5 | VNL121 | Vietnamese Language 2 | 3 |
| | | Semesiter 3 | |
| 1 | FIN201 | Monetary Economics & Global Economy | 3 |
| 2 | FIN202 | Principles of Corporate Finance | 3 |
| 3 | MKT101 | Marketing Principles | 3 |
| 4 | VNL131 | Vietnamese Language 3 | 3 |
| | | Semester 4 | |
| 1 | PRE201 | ICT elective: Excel Programming | 3 |
| 2 | MAS201 | Statistics & Data Processing | 3 |
| 3 | MKT201 | Concentration 1: Consumer Behavior | 3 |
| 4 | ENLIII | Academic English | 3 |
| | | Semester 5 | |
| 1 | MKT202 | Concentration 2: Services Marketing Management | 3 |
| 2 | MKT301 | Concentration 3: Marketing Research | 3 |
| 3 | SSC101 | Business Communication | 3 |
| 4 | ENL112 | Advanced Academic English | 3 |
| | | Semester 6 | |
| 1 | ETR401 | Entrepreneurship | 3 |
| 2 | MKT304 | Concentration 4: Integrated Marketing Communication | 3 |
| 3 | LAW101 | Business Law Fundamentals | 3 |
| 4 | SSM201 | Management Skills | 3 |
| | | Semester 7 | |
| 1 | MKT305 | Concentration 5: Marketing Strategy | 3 |
| 2 | ITA202 | Management Information System | 3 |
| 3 | GDP101 | Business Breadth: Applied Graphic Design | 3 |
| 4 | \$SN301 | Negotiation | 3 |
| | | Semester 8 | |
| | | | 3 |

| 3 | Vietnamese Culture | | 3 |
|---|--------------------|-----------------------|-----|
| 4 | GRA491 | Graduation Assignment | 5 |
| - | | Total credits | 110 |

^{*}Physical Education (implemented along the program): 6 credits

2.1.3. Master of Software Engineering (specialized in Project Management, Data Analysis, and IoT)

- a. Type of courses: Full time
- b. Duration: 1.5 years (4 trimesters)
- c. Tuition fee: 8,000 USD, Admission fee: 200 USD
- d. Course objective: Prepare professionals for leadership positions that bridge the gap between technology-oriented staff, functional personnel, and management.
- + Address the growing need for skilled information professionals who can strategically manage information and technology assets to fulfill critical information needs in organizations.
- + Provide leadership in the information management field through the study of ethical, political, social, and technical issues related to information management in modern society.
- + Assist organizations in the formation of information policies, development and application of information systems and services, and the use of information management technologies and methods.

e. Prerequisites

- + Bachelor degree in Software Engineering or related major (Computer Science, Electronic and Telecommunication Engineering, Communication and Computer Network, Information System and Information Technology, etc.)
- + Candidates who have bachelor degree of other major will be required to take the course of Introduction to Software Engineering in undergraduate program of FPT University
- + Language for non-native English speaker: CEFR B1 or IELTS 4.5 or TOEFL ITB 450 or TOEFL CBT 133 or TOEFL IBT 45 or TOEIC 450 or Cambridge Exam PET or BEC certification Preliminary or BULATS 40

| f. Course structure | |
|---------------------|--------|
| | Credit |
| Code Course | |

| 2 | PRO192 | Object Oriented Paradigm | 3 |
|---|--------|--------------------------------------|---|
| 3 | SWE102 | Introduction to Software Engineering | 3 |

(For thosewho have graduatedfromundergraduate engineering with close to software engineering)

Entrance exam

- Math and computer facility, Software engineering foundation
- English

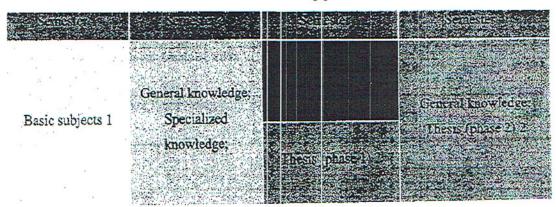
Table 2: List of modules in the training program

| F | rogram content | | TC |
|----|--------------------------------|---|----|
| A | General knowledge | | 12 |
| 1 | PHY501 | Philosophy | 3 |
| 2 | Certificate | English B1 or equivalent (Certificate) | 6 |
| 3 | RAW501 | Research methods & Academic Writing | 3 |
| В | Basic knowledge (*) | | 12 |
| | | Basic knowledge (Obligatory) | 6 |
| 1 | SWD391 | Software Architecture and Design | 3 |
| 2 | CSD201 | Data Structure and Algorithm | 3 |
| | Basic knowledge (option 02/10) | | 6 |
| 1 | SWQ391 | Software Quality Assurance and Testing | 3 |
| 2 | SWR301 | Software Requirements | |
| 3 | SWM301 | Software Project Management | 3 |
| 4 | PRX301 | Advanced XML | 3 |
| 5 | OSG202 | Operating System | 3 |
| 6 | NWC202 | Computer Network | 3 |
| 7 | PRO201 | Front-end Web Development | 3 |
| 8 | PRM391 | Mobile Programming | 3 |
| 9 | DGT201 | Digital Fundamentals | 3 |
| 10 | ESS301 | Embedded Software Development | 3 |
| С | Specialized knowledge | | 24 |
| | Adv | anced specialized knowledge (Obligatory) | 12 |
| 1 | SWM501 | Software Project Management (advanced topics) | 3 |

| 2 | DSP501 | Digital Signal Processing | 3 |
|---|----------|-------------------------------------|----|
| 3 | TVP501 | Digital Image and Video Processing | |
| 4 | IAD591 | IoT Application Development | 3 |
| | In- | depth knowledge (option 04/07) (**) | 12 |
| 1 | AES501 | Advanced Embedded System | 3 |
| 2 | WSN501 | Wireless Sensor Networks | 3 |
| 3 | ISP591 | Integrated System Project | 3 |
| 4 | BAN501 | Business Analytics | 3 |
| 5 | BDA501 | Big Data | 3 |
| 6 | DAM501 | Data Mining | 3 |
| 7 | TEM501 | Text Mining | 3 |
| D | LUẬN VĂN | | 12 |
| | SWP590 | Thesis | 12 |

- (*) Exempt for FPT University students who have graduated in information technology.
- (**) Elective courses are organized according to the actual implementation of FPT University under one of the two focus groups (IoT: AES501, WSN501, ISP591, BAN501) or (Data analytics: BDA501, DAM501, TEM501, BAN501).

Table 3: Training plan



^{1:} Exempt for FPT University studentswho have graduated in information technology. Exempt courses willnot counttoward the GPA

2.2. On the job training

The OJT course is one of the main focuses of FPT University in its academic education

²: phase 1: focusing on and clarifying themain content and how to do it, phase 2: the main implementation steps and defense.

business/company of their choices. This course is not only for the students to get familiar with a working environment but also raising their understanding and awareness of their strengths and weaknesses when they perform assignments in a real-life situation.

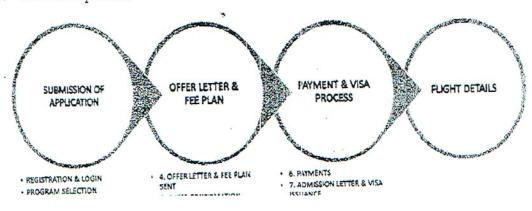
Duration of 3 to 4 months depends on the programs; the OJT course is also an opportunity for the employers to seek and recruit potential qualified candidates for various positions in a business/company.

2.3. Financial Aid

- For undergraduate programs: FPT University offers 30% of the first-year tuition fee to students who will be introduced by Government/ Embassy in the academic year 2017-2018
- *Note: Students are selected for OJT (on the job training) at a business/company based on their performance and is paid by company.

| No. | Program 4 | Degree is need. | Tuition fee | Offer about 30% scholarship First Year Tuition |
|-----|---|-----------------|-------------|--|
| 1 | Bachelor in Software Engineering (BSE) | FPT University | \$14,800 | \$1,500 |
| 2 | Bachelor in Business Administration (BBA) | FPT University | \$14,800 | \$1.500 |
| 3 | Master in Software Engineering (MSE) | FPT University | \$8,000 | \$800 |

2.4. Admission process



2.5. Cost of living

Estimate monthly expenses for a single person at 441.08\$ and for four-person family at 1,576.01\$

| Expenses | Average (USD) |
|--|------------------|
| Meal, Inexpensive Restaurant | 1.98 |
| Water (0.33 liter bottle) | 0.28 |
| Apartment (1 bedroom) Outside of Centre | 295.24 |
| Basic (Electricity, Heating, Water, Garbage) for 85m2 Apartment | 70.40 |
| Internet (10 Mbps, Unlimited Data, Cable/ADSL) | 11.55 |

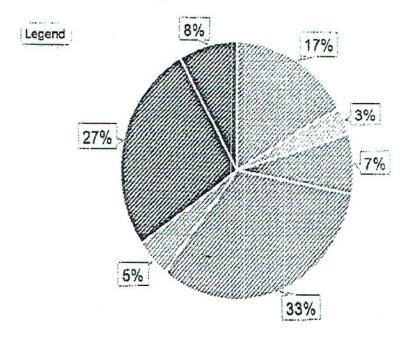
^{*} Transportation

Clothing & Shoes

Sports & Leisure

Market

[™] Utilities (monthly) ■ Rent per month ■ Restaurants



Distribution of expenses in Hanoi (March, 2017)

Source: https://www.numbeo.com/

III. Implementation of Proposal

With the aim of encouraging and empowering its citizens based on the pursuit of higher education nationwide, FPT University would like to have the support of the Embassy to promote scholarship programs to students who are either living in Vietnam o in their country by its best diplomatic and protocol.

The candidates recommended via the diplomatic means, i.e. the Embassy or via Ministry of Education from the home country will be shortlisted for the scholarship interview.

The list of successful candidates will be announced to the Ministry of Education through the Embassy as well as published on FPT University, Embassy and Ministry of Education websites one week after the deadline of all submitted documents.