



«Financial Technology and digital innovation to modeRnise and develop cUrricula of VietnameSe and Philippines UniversiTies / TRUST»

Project Reference Number: 610256-EPP-1-2019-1-IT-EPPKA2-CBHE-JP

REPORT ON

CURRENT CAPACITIES OF HIGHER EDUCATIONAL INSTITUTIONS IN TRAINING MASTER OF FINTECH IN VIETNAM

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1. SURVEY OBJECTIVES

The objectives of this survey are in assessing the current situation and training needs in the field of financial technology (FINTECH) at Vietnam's universities. Based on the survey of Vietnamese universities' experts, the project team identifies the general and specific competencies of the Fintech program. On that basis, the universities are able to have the appropriate strategy in developing the content of the Fintech training program.

Vietnamese partners include 3 universities (University of Economics, Hue University (HCE); University of Economics, Hanoi National University (VNU-UEB) and Ho Chi Minh City Open University (HCMOU) conducted a survey with 52 respondents from different universities to analyze training needs for new skills in the financial technology sector.

2. SURVEY METHODS

2.1. Questionnaire design

Before conducting the survey, the questionnaire was developed and completed through the following steps:

- (1) The questionnaire was developed with partners in the Philippines along with related European partners' comments.
- (2) Questionnaire was translated into Vietnamese then being edited by experts from the University of Economics, Vietnam National University (VNU-UEB), and Ho Chi Minh City Open University (HCMOU) to ensure the accuracy of terms.
- (3) Upon the list of professors, managers at Vietnam's universities, the questionnaires were delivered via email or reliable application (Zalo) to respondents.

2.2. Data collection and analysis

Respondents in the survey include experienced lecturers and leaders from the Vietnamese universities. These respondents are selected because they have experience in developing and implementing the Fintech related training programs at universities in Vietnam.

This study utilized a combination of online and face to face survey methods. In terms of the online survey, the team collected email addresses, phone numbers of potential respondents at universities and emailed the questionnaires to them via links on Google Drive. Regarding the face to face survey, the team conducted the interviews with the respondents via telephone. After the survey, the project team collected 52 feedback questionnaires from representatives of Vietnam's universities.

All data are processed in Excel software. Statistical analysis (frequency) methods are used to aggregate the data.

3. SURVEY TIME

The survey was conducted from 15/7/2020 to 15/9/2020.

4. RESULTS

4.1. The current situation of Master's Program in Fintech at Vietnam's universities

The study results show that there are only 2 universities (account for 3.8%) in the total of 52 surveyed universities offering the Master's Program in Financial Technology. Because Fintech is a new field of study in Vietnam, the number of universities offering Master of Fintech is limited. In the context of industry 4.0, the demand for fintech experts is rapidly increasing, this field of study should be included in the training programs of universities in Vietnam in order to meet the labour market's needs.

Table 1. Number of Fintech Master's Program offered in Vietnam universities

Option	Number of respondents	Percentage of respondents (%)
Non-offering	50	<mark>96.2</mark>
Offering	2	3.8
Total	52	100

(Source: Survey result, 2020)

4.2. A plan for offering Master of Fintech at Vietnam's universities in the future

As can be seen in *Table 2*, 57.7% of respondents stated that their institution would have a plan to offer a Master's Program in Financial Technology and Digital Innovation in coming years. With the rapid change of technological application into the banking sector in developing countries like Vietnam, the need for human resources in financial technology have rapidly increased. Therefore, it is likely that the universities tended to offer new training programs to satisfy social needs.

Table 2. Plan to offer Master's Program in Financial Technology & Digital Innovation

Plan to offer Master of Fintech	Number of respondents	Percentage of respondents (%)
No plan	22	42.3
Have a plan	30	<mark>57.7</mark>
Total	52	100.0

Although many universities have had a plan to offer a Master's Program in Financial Technology and Digital Innovation, the offering of new Program is carefully considered may be due to limited training capacity. 50% of the respondents stated that they would offer the new Program in 4 or 5 years. While 40% of the respondents will offer the new Program in 2 or 3 years. Consequently, it is vital for Vietnam's universities to invest in enhancing the training capacity of Financial Technology in the coming time.

Table 3. Time to offer Master's Program in Financial Technology & Digital Innovation

Time	Number of respondents	Percentage of respondents (%)
In 4 or 5 years	<mark>26</mark>	50.0
In 2 or 3 years	21	40.4
Next year	3	5.8
Next semester	2	3.8
Total	52	100.0

(Source: Survey result, 2020)

4.3. The motivation to offer the Master's Program in Financial Technology and Digital Innovation

The findings indicated that offering a new training program is based on the « needs of market labour ». There were about 78% of respondents considered the « needs of market labour» as «very important » and « important » factor of offering the Master of Fintech. In this sense, the market demand for Master's Program in FINTECH is great in Vietnam.

Besides, the « *demand for new learning* » is a motivational factor influencing on the intention to offer this Master's Program in Vietnam's universities (36.5% of respondents regarded this as « very important »).

Table 4. Motivational factors for offering Master of Fintech

Level of	Number o	of respondents	Percentage of respondents (%)			
importance	Demand for new learning	Career considerations/ market demand	Demand for new learning	Career considerations/market demand		
Very important	<mark>19</mark>	<mark>23</mark>	36.5	44.2		
Important	22	18	42.3	34.6		

Level of	Number o	of respondents	Percentage of respondents (%)			
importance	Demand for new learning	Career considerations/ market demand	Demand for new learning	Career considerations/market demand		
Somewhat important	5	1	9.6	1.9		
Minimally important	5	9	9.6	17.3		
Not important	1	1	1.9	1.9		
Total	52	52	100	100		

4.4. Graduate programs related to Financial Technology and Digital Innovation

As presented in *Table 5*, there were 2 popular programs related to FINTECH in Vietnam comprising Master in Finance and Master in Information Technology with 73,1% and 42,3%, respectively. Nevertheless, Vietnam's universities offer them in two distinguished training programs that lead to the quality that has not been equivalent to the demand. For instance, a student who pursues the Finance program lacking the knowledge in Information Technology and vice versa; some students are good at Information Technology but do not have an insight of Finance, Banking, and Insurance field. Thus, the demand for Master's Program in FINTECH is crucial to enhancing the knowledge for the student in the future.

Table 5. The current Program relating to Financial Technology and Digital Innovation

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	Number of	Number of respondents		lents
Programs	Yes	No	Yes	No
MBA major in Financial				
Management	16	36	30.8	69.2
Master in Business Analytics	5	47	9.6	90.4
Master in Information Technology	22	30	42.3	57.7
Master in Financial Engineering	4	48	7.7	92.3
Master in Finance	38	14	<mark>73.1</mark>	26.9
Master in Computational Finance	8	44	15.4	84.6
Other	17	35	32.7	67.3

(Source: Survey result, 2020)

4.5. Current capability for training Master in FINTECH

The survey results show that the strength of universities at Vietnam is to have a good internet connection and computer (40.4% and 36.5% of respondents agreed with « fully developed »). The internet is well developed in Vietnam during the last decade and people are easily accessing internet any time. On the other hand, the weakness of Vietnam's universities when being implemented the training program is the shortage of software and technical competency of lecturer/professor for the use of learning technologies and software.

Table 6. University capability for technological aspects

	Nur	nber of r	espond	lents	% of respondents			
Technological aspects	Fully Developed	Developed with Some Minor Development Needed	Development Needed	Challenging and Substantial	Fully Developed	Developed with Some Minor Development Needed	Development Needed	Challenging and Substantial
Access to computer	19	26	3	4	36.5	50.0	5.8	7.7
(desktop or laptop)								
Access to internet	21	22	3	6	40.4	42.3	5.8	11.5
connection (at least 3Mbps)								
Access to licensed software	7	22	13	10	13.5	42.3	25.0	19.2
(software required by the								
course)								
Technical competency of								
lecturer or professor for use	9	26	3	14	17.3	50.0	5.8	26.9
of learning technologies								
and software								

(Source: Survey result, 2020)

4.6. Selection/Option of training program mode

The delivery mode of Hybrid format is currently selected to offer the Master's Program in FINTECH (approximately 50% of respondents). At present, the mode of Hybrid format is

popularly carried out in Vietnam corresponds to the mode of training Master's Program in FINTECH.

Table 7 : Proposed delivery mode for Master in Financial Technology and Digital

Innovation Program

	Number of	respondents	% of respondents		
Delivery mode	Yes	No	Yes	No	
Fully face-to-face (F2F in-class)					
program	24	28	46.2	53.8	
Fully on-line program	6	46	11.5	88.5	
Hybrid format (50% F2F, 50%					
online)	27	25	<mark>51.9</mark>	48.1	
75% F2F, 25% online	27	25	51.9	48.1	
25% F2F, 75% online	8	44	15.4	84.6	

(Source: Survey result, 2020)

4.7. Factors influencing the selection of training program

It is clearly that there are many factors influencing the students' selection of training Master's Program in FINTECH, in which three factors are the most important including Program's academic reputation; Mode of delivery/Teaching Approach and Profile of faculty members meanwhile the factors of class size, cost are the least important (**Table 8**).

In addition, the teaching approach has a great impact on students' selection of training programs. 98% of respondents agreed that the teaching approach is an influential factor in their selection of training Master's Program in FINTECH.

Table 8: Factors for prospective students of Master in Financial Technology and Digital
Innovation Program

	Nu	Number of respondents					% of	respon	dents	
FACTORS	Very important	Important	Somewhat important	Minimal Important	Not important	Very important	Important	Somewhat important	Minimal Important	Not important
School's academic reputation	10	31	8	2	1	19.2	59.6	15.4	3.8	1.9

Program's academic reputation	16	31	4	1	0	30.8	56.6	7.7	1.9	0.0
Preference for a faith- based university	13	25	10	4	0	25.5	48.1	19.2	7.7	0.0
Convenient schedule	14	21	10	6	1	26.9	40.4	19.2	11.5	1.9
Cost	13	25	12	2	0	25.0	48.1	23.1	3.8	0.0
Student support services	11	27	10	4	0	21.2	51.9	19.2	7.7	0.0
Small class size	7	17	16	11	1	13.5	32.7	30.8	21.2	1.9
Class availability	10	20	15	4	3	19.2	38.5	28.8	7.7	5.8
Accelerated program completion	11	26	11	4	0	21.2	50.0	21.2	7.7	0.0
Mode of delivery/Teaching Approach (interactive/ workshops versus traditional academic approach)	22	23	6	1	0	42.3	44.2	11.5	1.9	0.0
Profile of faculty members	19	22	9	2	0	36.5	42.3	17.3	3.8	0.0
Location/Proximity to workplace	13	20	11	7	1	25.0	38.5	21.2	13.5	1.9
Undergraduate background	4	30	13	4	1	7.7	57.7	25.0	7.7	1.9
Current work assignment	8	35	6	3	0	15.4	67.3	11.5	5.8	0.0

4.8 The best teaching approach/modality to adopt for the Master of Fintech

When being asked about the best teaching approach for Master's Program in FINTECH, 44,2% of respondents believed that « Combination of traditional and interactive: teacher delivers lectures, students engage in discussion, workshops, business case studies » is the best one. In Vietnam's universities, the traditional teaching approach is widely used. However, if students are able to apply well technology, the combination of traditional and interactive teaching approach will bring more effectiveness and be suitable for them.

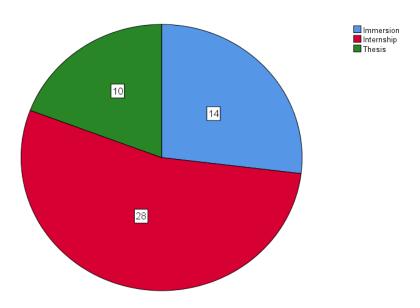
Table 9 – Preferred teaching approach

Teaching approach	Frequency	Percent
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Combination of traditional and interactive: teacher delivers	23	44.2
lecture, students engage in discussion, workshops, business		
case studies.		
Flexible with discussion, and tiered: Teacher provides course	13	25.0
syllabus & reading materials with activities for students to		
carry out for the whole period. Students get certificates per		
module.		
Interactive: Teacher submits all materials with case studies to	13	25.0
students before classes start. Then, students discuss with		
teacher together on academic topics and business cases.		
Traditional with workshops, group assignments, seminar:	3	5.8
Teacher conducts lecture and workshop with group		
assignments; sends students or organize seminars inviting		
resource person/s.		
Total	52	100.0

4.9. Internship

The internship is mostly chosen when being implemented in the Master's Program in FINTECH because it creates a good opportunity for students to apply their knowledge to Fintech enterprises, banks, insurance companies. The internship duration is from 3 to 6 months being preferred time for students to get to know about the actual operation of fintech services and enterprises (Table 10).



(Source: Survey result, 2020)

Table 10 – Preferred internship time

Internship time	Frequency	Percent
< 3 Months	12	23.1
3 – 6 Months	26	50.0
> 6 Months	14	26.9
Total	52	100

4.10. FinTech-related publications

As indicated in Table 11, the percentage of universities that have FinTech-related publications is still limited, and the reason why could be Fintech is a new field.

Table 11 – FinTech-related publications

Number of publications	Frequency	Percent
< 10	32	61.5
10 - 20	15	28.8
21 - 30	1	1.9
> 30	4	7.7
Total	52	100.0

(Source: Survey result, 2020)

4.11. The importance of courses for Master in Financial Technology

In order to identify the essential courses in FinTech field, it is crucial to conduct a survey with all listed courses of Master's Program in FINTECH so that respondents can evaluate the level of importance of each factor.

Obviously, the findings showed that the demand for courses of Master's Program in FINTECH is various, including the related courses in Finance and Information Technology. The courses are related to IT being assessed the most important ones such as Algorithmic Trading and Robo-Advisors; Blockchain Systems: Concepts and Principles; Data Mining; Technical Solutions and Finance Applications; Data Management and Business Intelligence; Design and Innovation Thinking. Additionally, the related courses in Finance such as Principles of Finance and Risk Management; Quantitative Methods in Finance; Financial and Risk Analytics; Probability and Statistics; Entrepreneurship Principles and Business Planning; Project and Program Management. The basic courses are, moreover, related to the concepts of Financial Technology being assessed as important: Introduction to Fintech; Fintech Ecosystem and Innovations.

Table 11: List of important courses for Master in Financial Technology and Digital Innovation

COURSES Junt Park Law		Number of respondents				% of respondents				
Fintech Ecosystem and Innovations	COURSES	Extremely Important	Very Important	Important	Not at all	Extremely Important	Very Important	Important	Not at all	
Innovations	Introduction to Fintech	21	19	12	0	<mark>40.4</mark>	36.5	23.1	0.0	
Management 14 26 10 2 26.9 50.0 19.2 3.8 Algorithmic Trading and Robo-Advisors 15 23 13 1 28.8 44.2 25.0 1.9 Blockchain Systems: Concepts and Principles 18 19 14 1 34.6 36.5 26.9 1.9 Probability and Statistics 17 26 8 1 32.7 50.0 15.4 1.9 Data Mining 13 26 12 1 25.0 50.0 23.1 1.9 Quantitative Methods in Finance 20 20 10 2 38.5 38.5 19.2 3.8 Financial and Risk Analytics 16 25 9 2 30.8 48.1 17.3 3.8 Data Management and Business Intelligence 19 22 11 0 36.5 42.3 21.2 0.0 Entrepreneurship Principles and Business Planning 14 19 15 4 26.9 36.5 </td <td></td> <td>14</td> <td>26</td> <td>12</td> <td>0</td> <td>26.9</td> <td>50.0</td> <td>23.1</td> <td>0.0</td>		14	26	12	0	26.9	50.0	23.1	0.0	
Section Sect		14	26	10	2	26.9	50.0	19.2	3.8	
Index and Principles Index and		15	23	13	1	28.8	44.2	25.0	1.9	
Data Mining 13 26 12 1 25.0 50.0 23.1 1.9 Quantitative Methods in Finance 20 20 10 2 38.5 38.5 19.2 3.8 Financial and Risk Analytics 16 25 9 2 30.8 48.1 17.3 3.8 Data Management and Business Intelligence 19 22 11 0 36.5 42.3 21.2 0.0 Design and Innovation Thinking 16 21 14 1 30.8 40.4 26.9 1.9 Entrepreneurship Principles and Business Planning 14 19 15 4 26.9 36.5 28.8 7.7 Project and Program Management 14 19 17 2 26.9 36.5 32.7 3.8 Technical Solutions and Finance Applications 17 26 8 1 32.7 50.0 15.4 1.9 Python Programming 5 32 14 1 9.6 61	-	18	<mark>19</mark>	14	1	34.6	<mark>36.5</mark>	26.9	1.9	
Quantitative Methods in Finance 20 20 10 2 38.5 38.5 19.2 3.8 Financial and Risk Analytics 16 25 9 2 30.8 48.1 17.3 3.8 Data Management and Business Intelligence 19 22 11 0 36.5 42.3 21.2 0.0 Design and Innovation Thinking 16 21 14 1 30.8 40.4 26.9 1.9 Entrepreneurship Principles and Business Planning 14 19 15 4 26.9 36.5 28.8 7.7 Project and Program Management 14 19 17 2 26.9 36.5 32.7 3.8 Technical Solutions and Finance Applications 17 26 8 1 32.7 50.0 15.4 1.9 Python Programming 5 32 14 1 9.6 61.5 26.9 1.9 Python for Data Analysis 7 32 12 1 13.5	Probability and Statistics	17	26	8	1	32.7	50.0	15.4	1.9	
Financial and Risk Analytics 16 25 9 2 30.8 48.1 17.3 3.8 Data Management and Business Intelligence 19 22 11 0 36.5 42.3 21.2 0.0 Design and Innovation Thinking 16 21 14 1 30.8 40.4 26.9 1.9 Entrepreneurship Principles and Business Planning 14 19 15 4 26.9 36.5 28.8 7.7 Project and Program Management 14 19 17 2 26.9 36.5 32.7 3.8 Technical Solutions and Finance Applications 17 26 8 1 32.7 50.0 15.4 1.9 Python Programming 5 32 14 1 9.6 61.5 26.9 1.9 Python for Data Analysis 7 32 12 1 13.5 61.5 23.1 11.5 Advanced Natural Language Processing and Deep Learning 8 26 12 6	Data Mining	13	26	12	1	25.0	50.0	23.1	1.9	
Data Management and Business Intelligence 19 22 11 0 36.5 42.3 21.2 0.0 Design and Innovation Thinking 16 21 14 1 30.8 40.4 26.9 1.9 Entrepreneurship Principles and Business Planning 14 19 15 4 26.9 36.5 28.8 7.7 Project and Program Management 14 19 17 2 26.9 36.5 32.7 3.8 Technical Solutions and Finance Applications 17 26 8 1 32.7 50.0 15.4 1.9 Python Programming 5 32 14 1 9.6 61.5 26.9 1.9 Python for Data Analysis 7 32 12 1 13.5 61.5 23.1 11.5 Advanced Natural Language Processing and Deep Learning 8 26 12 6 15.4 50.0 23.1 11.5	Quantitative Methods in Finance	<mark>20</mark>	<mark>20</mark>	<mark>10</mark>	2	<mark>38.5</mark>	<mark>38.5</mark>	19.2	3.8	
Intelligence 19 22 11 0 36.5 42.3 21.2 0.0 Design and Innovation Thinking 16 21 14 1 30.8 40.4 26.9 1.9 Entrepreneurship Principles and Business Planning 14 19 15 4 26.9 36.5 28.8 7.7 Project and Program Management 14 19 17 2 26.9 36.5 32.7 3.8 Technical Solutions and Finance Applications 17 26 8 1 32.7 50.0 15.4 1.9 Python Programming 5 32 14 1 9.6 61.5 26.9 1.9 Python for Data Analysis 7 32 12 1 13.5 61.5 23.1 1.9 Advanced Natural Language Processing and Deep Learning 8 26 12 6 15.4 50.0 23.1 11.5	Financial and Risk Analytics	16	25	9	2	30.8	48.1	17.3	3.8	
Entrepreneurship Principles and Business Planning 14 19 15 4 26.9 36.5 28.8 7.7 Project and Program Management 14 19 17 2 26.9 36.5 32.7 3.8 Technical Solutions and Finance Applications 17 26 8 1 32.7 50.0 15.4 1.9 Python Programming 5 32 14 1 9.6 61.5 26.9 1.9 Python for Data Analysis 7 32 12 1 13.5 61.5 23.1 1.9 Advanced Natural Language Processing and Deep Learning 8 26 12 6 15.4 50.0 23.1 11.5		19	22	11	0	36.5	42.3	21.2	0.0	
Business Planning 14 19 15 4 26.9 36.5 28.8 7.7 Project and Program Management 14 19 17 2 26.9 36.5 32.7 3.8 Technical Solutions and Finance Applications 17 26 8 1 32.7 50.0 15.4 1.9 Python Programming 5 32 14 1 9.6 61.5 26.9 1.9 Python for Data Analysis 7 32 12 1 13.5 61.5 23.1 1.9 Advanced Natural Language Processing and Deep Learning 8 26 12 6 15.4 50.0 23.1 11.5	Design and Innovation Thinking	16	21	14	1	30.8	40.4	26.9	1.9	
Technical Solutions and Finance Applications 17 26 8 1 32.7 50.0 15.4 1.9 Python Programming 5 32 14 1 9.6 61.5 26.9 1.9 Python for Data Analysis 7 32 12 1 13.5 61.5 23.1 1.9 Advanced Natural Language Processing and Deep Learning 8 26 12 6 15.4 50.0 23.1 11.5		14	19	15	4	26.9	36.5	28.8	7.7	
Applications 17 26 8 1 32.7 50.0 15.4 1.9 Python Programming 5 32 14 1 9.6 61.5 26.9 1.9 Python for Data Analysis 7 32 12 1 13.5 61.5 23.1 1.9 Advanced Natural Language Processing and Deep Learning 8 26 12 6 15.4 50.0 23.1 11.5	Project and Program Management	14	19	17	2	26.9	36.5	32.7	3.8	
Python for Data Analysis 7 32 12 1 13.5 61.5 23.1 1.9 Advanced Natural Language Processing and Deep Learning 8 26 12 6 15.4 50.0 23.1 11.5		17	26	8	1	32.7	50.0	15.4	1.9	
Advanced Natural Language Processing and Deep Learning 8 26 12 6 15.4 50.0 23.1 11.5	Python Programming	5	32	14	1	9.6	61.5	26.9	1.9	
Processing and Deep Learning 8 26 12 6 15.4 50.0 23.1 11.5	Python for Data Analysis	7	32	12	1	13.5	61.5	23.1	1.9	
Regulatory Technology 7 29 11 5 13.5 55.8 21.2 9.6		8	26	12	6	15.4	50.0	23.1	11.5	
	Regulatory Technology	7	29	11	5	13.5	55.8	21.2	9.6	

	Number of respondents				% of respondents				
COURSES	Extremely Important	Very Important	Important	Not at all	Extremely Important	Very Important	Important	Not at all	
Anti-Financial Crime and Compliance	8	24	18	2	15.4	46.2	34.6	3.8	
Operations Research	10	20	15	7	19.2	38.5	28.8	14.4	
Time Series Analysis	14	19	16	3	26.9	36.5	30.8	5.8	
Information Retrieval and Analysis	14	25	12	1	26.9	48.1	23.1	1.9	
Applied Cryptography	12	25	13	2	23.1	48.1	25.0	3.8	
People Management	3	26	19	4	5.8	50.0	36.5	7.7	
Negotiation Principles	3	22	23	4	5.8	42.3	44.2	7.7	
Marketing and Communication Effectiveness	10	19	19	4	19.2	36.5	36.5	7.7	
Venture Creation and Startup	6	25	19	2	11.5	48.1	36.5	3.8	

Yet, the preparation for delivering the new courses had shortcomings due to the limited training programs in Vietnam, especially limited courses in IT and Fintech. Therefore, there is a need for teaching staff to be supported to train the courses at Vietnam's universities.

Table 12: The preparation of delivering/teaching proposed courses

	Num	ber of	respo	ndents	% of respondents			
COURSES	Extremely Well	Very Well	Quite Well	Not at all	Extremely Well	Very Well	Quite Well	Not at all
Blockchain Systems: Concepts and Principles	6	7	17	22	11.5	13.5	32.7	42.3
Python Programming	1	11	9	31	1.9	21.2	17.3	59.6

	Num	ber of	respo	ndents	% of respondents			
COURSES	Extremely Well	Very Well	Quite Well	Not at all	Extremely Well	Very Well	Quite Well	Not at all
Python for Data Analysis	0	12	9	31	0.0	23.1	17.3	59.6
Data Mining	7	8	18	19	13.5	15.4	34.6	36.5
Advanced Natural Language Processing and Deep Learning	3	8	16	25	5.8	15.4	30.8	48.1
Algorithmic Trading and Robo- Advisors	6	6	9	31	11.5	11.5	17.3	59.6
Applied Cryptography	6	5	8	33	11.5	9.6	15.4	63.5
Regulatory Technology	3	9	10	30	5.8	17.3	19.2	57.7
Anti-Financial Crime and Compliance	1	10	13	28	1.9	19.2	25.0	53.8
Marketing and Communication Effectiveness	0	19	17	16	0.0	36.5	32.7	30.8
Venture Creation and Start-up	1	16	17	18	1.9	30.8	32.7	34.6
Technical Solutions and Finance Applications	4	10	20	18	7.7	19.2	38.5	34.6
Introduction to Fintech	3	18	12	19	5.8	34.6	23.1	36.5
Fintech Ecosystem and Innovations	7	12	11	22	13.5	23.1	21.2	42.3
Principles of Finance and Risk Management	12	18	13	9	23.1	34.6	25.0	17.3
Probability and Statistics	12	18	15	7	23.1	34.6	28.8	13.5
Quantitative Methods in Finance	12	13	18	9	23.1	25.0	34.6	17.3
Financial and Risk Analytics	11	14	18	9	21.2	26.9	34.6	17.3
Operations Research	6	14	12	20	11.5	26.9	23.1	38.5
Time Series Analysis	9	16	19	8	17.3	30.8	36.5	15.4
Data Management and Business Intelligence	4	12	18	18	7.7	23.1	34.6	34.6

	Num	ber of	respo	ndents	% of respondents			
COURSES	Extremely Well	Very Well	Quite Well	Not at all	Extremely Well	Very Well	Quite Well	Not at all
Information Retrieval and Analysis	4	10	14	24	7.7	19.2	26.9	46.2
Design and Innovation Thinking	7	10	16	19	13.5	19.2	30.8	36.5
Entrepreneurship Principles and Business Planning	9	8	19	16	17.3	15.4	36.5	30.8
Project and Program Management	8	16	17	11	15.4	30.8	32.7	21.2
People Management	3	18	17	14	5.8	34.6	32.7	26.9
Negotiation Principles	8	12	16	16	15.4	23.1	30.8	30.8

5. CONCLUSION

The findings on the capacities of higher educational institutions in Vietnam illustrated that there is a great demand for Master's Program in FINTECH. Furthermore, many higher education institutions have had a plan for training Master's Program in FINTECH to meet the social needs. Nevertheless, this is the new Program, while the current capacities of higher educational institutions are limited, particularly related courses in technology. As a result of that, higher educational institutions in Vietnam have paid more attention to enhancing their capacities in FINTECH, being necessarily supported by the government and international projects.
