

**MINISTRY OF EDUCATION AND TRAINING
HCMC UNIVERSITY OF TECHNOLOGY AND EDUCATION**

Form No. 18

I. Public report on scientific research activities, technology transfers, trial production runs and consultancies

No.	Name Of Project, Scientific And Technological Task	Leader And Member(S)	National And International Partner(S)	Duration	Contract Funding	Brief Summary, Practical Application(s)
I.	School-level research topic				151.200.000	
1	The Study Of Data Warehouse And Development Of Its Application Software	Nguyen Huu Trung, M.A.		2/2017-5/2018	4.500.000	01 summary report on knowledge about Data Warehouse and 01 application software being implemented at the Office of Academic Affairs of the HCMC University of Technology and Education. The application is used to retrieve statistical information about students serving in the process of enrollment and training
2	The Design And Construction Of Press Mold	Duong Thi Van Anh, M.A.		2/2017-12/2017	5.000.000	A set of press molds used for training students during their internships
3	The Design And Construction Of FDM 3d Printer	Nguyen Van Son, M.A.		2/2017-5/2018	5.000.000	01 3D printer used for training students during their internships
4	The Renovation Of The Furnace Used In Materials	Nguyen Van Thuc, M.A.		2/2017-12/2017	5.500.000	01 furnace used for Materials Science subject

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	Science Laboratory					
5	The Design Of MIG-MAG Welding Electrode Holder Used For Welding Practice In The Faculty Of Mechanical Engineering	Hoang Van Huong, Engr.		2/2017-12/2017	3.500.000	01 blueprint of MIG-MAG welding electrode holder. It will be used as reference material for the construction of the device
6	The Calculation Of The Stress Intensity Coefficient For A Cracked Sheet Using Finite Element Method (FEM)	Ho Sy Hung, Lecturer, M.A.		2/2017-5/2018	3.000.000	A scientific summary report used as reference material for students and lecturers
7	The Study, Design And Construction Of Multi-Station Fixture Used For The Course Of Mechanical Engineering Technology, Specifically In The Part Of Fixtures And The Project Of Mechanical Engineering Technology.	Nguyen Hoai Nam, Lecturer, M.A.		2/2017-5/2018	5.000.000	01 set of multi-station fixtures used for the course of mechanical engineering technology, specifically in the part of fixtures and the project of mechanical engineering technology
8	The Design Of Horizontal Sealing Machine For (1÷5) Kg Sugar Package	Nguyen Van Hong, Lecturer, Engr.		2/2017-5/2018	3.000.000	01 blueprint for horizontal sealing machine for (1÷5) kg sugar package. It will be used as reference material for the construction of the device
9	The Design Of Automatic Hanger Making Machine With Productivity Of 35-40 Per Minute	Nguyen Tat Toan, Lecturer, Engr.		2/2017-5/2018	3.000.000	01 blueprint for Automatic hanger making machine with productivity of 35-40 per minute. It will be used as reference material for the construction of

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						the device
10	The Design And Construction Of Fixture Used For The Mechanical Engineering Technology Subject	Phan Thanh Vu, M.A.		2/2017-12/2017	7.000.000	01 set of fixtures used for the mechanical engineering technology subject
11	The Study Of Technological Factors Affecting The Quality Of Wood Surfaces In Automatic Planer Hand Jointer	Nguyen Van Tu, M.A.		2/2017-5/2018	5.000.000	A scientific summary report used as reference material for students and lecturers
12	The Study And Construction Of Inverter Test Module	Tran Thanh Lam, Lecturer, M.A.		2/2017-12/2017	7.000.000	01 inverter test module helps lecturers to develop practice exercises on the inverter test module
13	The Construction Of Electrical Equipment Management System In The Practice Room By Cellphones	Huynh Hoang Ha, M.A.		2/2017-5/2018	7.000.000	1 complete system of electrical equipment management in the practice room by cellphones. Control devices can be used to toggle the electrical equipment: lights, fans, computers, test kits, etc. and can also be controlled by cellphones (using Bluetooth, Wi-Fi connections, etc.)
14	The Study And Compilation Of Set Of English Lecture Slides For The Basic Electronics Subject To Teach Students Majoring In IT From The Faculty Of	Le Hoang Minh, M.A. Le Thanh Dao, M.A.		2/2017-12/2017	3.000.000	01 summary report on ESP terminology of Basic Electronics used as reference material for bilingual teaching and learning the subject

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	High Quality Training At The HCMC University Of Technology And Education					
15	The 3-Axis Mach3 CNC Drilling Machine Controller With AC Servos	Le Hoang Lam, M.A.		2/2017-12/2017	3.000.000	A mockup of a CNC drilling machine controller used for training students during their internships
16	Data Embedding In Video Signals	Nguyen Duy Thao, M.A. Le Minh Thanh Nguyen Truong Duy		2/2017-5/2018	3.000.000	01 program of data embedding in video signals
17	Controlling the operation of Simotion D435 system	Nguyen Tan Doi, M.A. Nguyen Tu Duc		2/2017-5/2018	3.000.000	01 manual of Simotion D435 system and control program used for training students
18	The Study Of How To Use QuickField Software For Magnetic Field Simulation Of Electric Machines	Nguyen Thi Bich Mai, M.A.		2/2017-5/2018	3.000.000	A guide to to magnetic field simulation using the QuickField software
19	The Application Of V-BLAST Technique In MIMO MC-CDMA System	Truong Ngoc Ha, M.A.		2/2017-12/2017	3.000.000	Simulation software used for evaluating the systems of MC-CDMA and VBLAST/MIMO MC-CDMA
20	The Application Of Moodle In Compiling Online Exams For Nanotechnology Subject	Vu Thi Ngoc Thu, M.A		2/2017-12/2017	3.000.000	A 60-minute online exam consists of 50 nanotechnology-related questions
21	The Compilation Of English Multiple-Choice Question Bank For The Basic	Phu Thi Ngoc Hieu, M.A. Duong Thi Cam		2/2017-5/2018	3.000.000	An English Multiple-Choice Question Bank For The Basic

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	Electronics Subject	Tu Bui Thi Tuyet Dan				Electronics Subject
22	Teaching In The Project Of "The Art Of Exhibition" Subject In The Faculty Of Graphic Arts And Media Of The HCMC University Of Technology And Education	Vu Ngan Thuong, M.A.		2/2017-5/2018	4.000.000	01 research summary report used as reference material for applying the teaching methods from the project to the subject of "The Art of Exhibition" for students in the Faculty Of Graphic Arts And Media
23	Teaching The Subject Of "Printing Specialized Practice 1" Using Cognitive Flexibility Theory In The Faculty Of Graphic Arts And Media	Truong The Trung, M.A		2/2017-12/2017	4.000.000	Materials for training and practice of printing-specialized subjects; the process of teaching the subject of "printing specialized practice 1" using cognitive flexibility theory
24	The standardization of printing production process	Che Quoc Long, M.A.		2/2017-5/2018	4.000.000	Document about specific and quantitative standards for manufacturing is used for training students
25	Teaching For Practice Of File Testing And Processing Using Cognitive Flexibility Theory In The Department Of Printing & Communication	Quach Hue Co, Engr.		2/2017-12/2017	4.000.000	Materials for training and practice of printing-specialized subjects
26	Improvements in the effectiveness of internal auditing in listed companies	Nguyen Thi Thu Hong		2/2017-5/2018	3.300.000	The research summary report is used as reference material

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	in Vietnam					
27	A study of students' decisions in choosing the HCMC University of Technology and Education as their university	Nguyen Phan Nhu Ngoc		2/2017-5/2018	3.500.000	The research summary report is used as reference material
28	The analysis on the current situation of the supply chain of agricultural products in Vietnam	Nguyen Thi Mai Tram		2/2017-5/2018	3.300.000	The research summary report is used as reference material
29	Audit Quality - Current Situation in Vietnam and Advanced Solutions	Nguyen Thi Hoang Anh		2/2017-12/2017	3.300.000	The research summary report is used as reference material
30	The analysis of factors affecting the capital structures of the technology hardware and equipment joint-stock companies listed on the Ho Chi Minh Stock Exchange	Vo Thi Xuan Hanh		2/2017-5/2018	3.300.000	The research summary report is used as reference material
31	Raising legal awareness of road traffic safety for students of the HCMC University of Technology and Education	Nguyen Thi Tuyet Nga, M.A.		2/2017-5/2018	6.000.000	The research summary report is used as reference material
32	Student of the HCMC University of Technology and Education on the current issues of climate change	Nguyen Thi Nhu Thuy, M.A. Dang Thi Minh Tuan, M.A.		2/2017-12/2017	6.000.000	The research summary report is used as reference material
33	A study of exercises to develop the strength and	Tran Van Tuyen, M.A.		2/2017-12/2017	5.000.000	The research summary report is used as reference material

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	speed of leg sweeping for male students in Taekwondo team of HCMC University of Technology and Education after 6 months of training					
34	4S - FE engine mockup	Dinh Tan Ngoc		2/2017-12/2017	5.000.000	01 4S - FE engine mockup and 01 summary report used for training
35	The investigation on the Polycold refrigeration system, proposition of its operational principle diagram and calculations of its cycle	Lai Hoai Nam		2/2017-12/2017	5.000.000	01 detailed report on the structure of Polycold refrigeration system used as reference material
II	School-level Key Research Topic				1.218.000.000	
1	The Study Of The Influence Of Intersections On The Operations Of Bus Lanes In An Motorcycle-Based Environment By Simulation Method	Tran Vu Tu, Ph.D.		2/2017-5/2018	15.000.000	- A simulation program of intersections with the operations of the bus lanes in the motorcycle-based environment. - 01 article in the country, scored 0-1
2	A Study On Predictions Of Road Subsidence On The Provincial Roads In The Area Of Ho Chi Minh City	Le Anh Thang, Ph.D.		2/2017-5/2018	15.000.000	- Predictions of the subsidence based on the collected data - Comparisons of predictions and measurement results - Suggestions for applying prediction method for road

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						subsidence to a flexible pavement structure - 01 article published in the country, scored 0-1
3	Behavior Of Rectangular Reinforced Concrete Beams When Being Strengthened With Ultra-High Performance Fiber Reinforced Concrete In Their Extreme Compression Zones	Nguyen Duy Liem, Ph.D.		2/2017-5/2018	10.000.000	- The study demonstrates that the combination of UHPFRC and normal concrete results in high economic and technical efficiency, high applicability. It is proved that the ideas and the solutions are feasible and efficient so as to seek funding to fabricate and test on actual beams to compare with the theoretical analysis. - 01 paper for an international conference held in the country
4	A Study On Improvements Of Automated Direct Shear Testing Equipment In Measurement, Data Processing And Calculation Of Experimental Results.	Nguyen Minh Duc, Ph.D.		2/2017-5/2018	15.000.000	- Instruction manual for conducting experiments, how to use automatic measurement equipment, calculation and analysis of experimental data. The study also provides empirical results on the mechanical properties of some types of soil as reference materials for teaching and research. - 01 article published in the country, scored 0-1

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5	The Calculations Of The Uncertainty For The Odd System Algorithm And The Subspace Detection Algorithm In The Crystals	Lam Xuan Binh, Ph.D.		2/2017-5/2018	33.000.000	- Development of a new method for calculating uncertainty - 01 conference paper
6	The Structural Analysis Of Cracks In Sheet Through The Virtual Node Method Using The MITC4 Shell Element	Chau Dinh Thanh, Ph.D.		2/2017-5/2018	56.000.000	- Development of virtual node method and its demonstrations 01 SCI article
7	The Evaluation And Compensation Of Errors Of The 3-Axis CNC Machine In Accordance With The ISO Standards To Ensure The Precision Of Machining	Hoang Trung Kien, Ph.D.		2/2017-5/2018	15.000.000	- 01 article published in a journal in the category of Professor and Associate Professor (0.5-1 point) - Practical Product: The evaluation and compensation of errors of the 3-axis CNC machine in accordance with the ISO standards to ensure the precision of machining
8	The Study, Design And Construction Of Robot Used For Information Supply In The Central Building Of The HCMC University Of Technology And Education	Nguyen Truong Thinh, Assoc. Prof. Ph.D.		2/2017-5/2018	35.000.000	- 01 article published in a journal and a robot used for information supply
9	A Study On Effects Of Flow And Temperature On Microchannel Evaporator Using CO2 Refrigerant To Improve Heat Transfer Efficiency	Nguyen Trong Hieu, M.A.		2/2017-5/2018	55.000.000	- This study contributes to the development of Micro / Mini technology (High Tech) of the country - It follows three main requirements in scientific

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						research: novelty, necessity and importance. - 01 conference paper
10	The Analysis Of The Mixed-Mode Fracture Behavior Of Graphene By Finite Element Method	Nguyen Minh Ky, Ph.D.		2/2017-5/2018	10.000.000	- 01 article published in the Journal of Technology and Science Education
11	The Improved Design Of Mushroom Bagging Machine	Van Huu Think, Ph.D.		2/2017-5/2018	10.000.000	- 01 article published in a journal (0-0,5 point)
12	A Study Of Spiral Cooling Channel For Plastic Injection Moulding	Tran Minh The Uyen		2/2017-5/2018	15.000.000	- 01 article published in a journal in the category of Professor and Associate Professor, scored 0 – 1
13	The Analysis Of Limit And Adaptaion Of Structure Using Isometric And Duality Methods	Do Van Hien		2/2017-5/2018	50.000.000	- 01 SCI international article
14	The Study On Design And Construction Of Prosthetic Foot With Flexible Joints, Multi-Functional Applications And Soft Structure	Pham Huy Tuan, Ph.D.		2/2017-5/2018	15.000.000	- 01 article published at the International Scientific Conference
15	Building A Database Of English Pronunciation Of The Vietnamese And Using It To Evaluate The Mechanisms Of Automatic Error Detection For English Pronunciation Of The Vietnamese	Dang Thanh Dung		2/2017-5/2018	15.000.000	- 01 article published at a conference

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16	Parallel Solutions For The Classification Of Metagenomic Sequences	Le Van Vinh		2/2017-5/2018	15.000.000	- 01 articles published in an international journal, or international seminars or domestic article, scored 0-1
17	The Anomaly Discovery Of Time Series Data Based On The Multidimensional Index R+-Tree	Nguyen Thanh Son, Ph.D.		2/2017-5/2018	10.000.000	- 01 article published in a journal in the category of Professor and Associate Professor, scored 0-0.5 or on Journal Of Technical Education or at a Specialized International Conference with defense.
18	The Study On Controlling The Inertial Kinetic Energy Regeneration System Of Automobile Based On The Regenerative Braking System	Duong Tuan Tung		2/2017-5/2018	12.000.000	- 01 article published in the journal "Applications in teaching about The Regenerative Braking System in automobile at the HCMC University Of Technology And Education"
19	The Study Of The Experimental Development Of The Cylinder Management System On Engine	Ly Vinh Dat		2/2017-5/2018	37.000.000	- 01 article published in a SCIE international journal - 01 postgraduate student - A cylinder management system is implemented on an engine then is put under an experimental evaluation
20	The Study On Improving The Efficiency Of The Industrial Solar Water Heater System With Flat Plate Collectors	Le Minh Nhut		2/2017-5/2018	15.000.000	- 01 article published in an international journal - Analysis and evaluation report - 01 postgraduate student - 01 mockup of the industrial solar water heater system with flat plate collectors

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						based on theoretical calculations
21	The Evaluation Of The Inductive Energy Accumulation Potential In The Hybrid Ignition System	Do Van Dung		2/2017-5/2018	35.000.000	- The successful construction of hybrid ignition system mixed with capacitance and inductance with energy accumulation potential - 01 conference paper
22	A Study Of The Effectiveness Of Square Microchannel Condenser	Doan Minh Hung		2/2017-5/2018	56.000.000	- 01 article published in an international journal
23	A Study Of The Thermal Specifications Of The Vikyno RV125 Dual-fuel CNG-Diesel Engine Through Fluent And AVL-Boost Simulation Softwares	Huynh Phuoc Son		2/2017-5/2018	15.000.000	- 01 article published in a domestic journal - A disc recording the program and the simulation results of the thermal specifications of the Vikyno RV125 dual-fuel CNG-Diesel engine through Fluent and AVL-Boost simulation softwares
24	The Simulation And Experimental Study Of Hybrid Drive System For Motorcycle	Nguyen Van Trang		2/2017-5/2018	15.000.000	- 01 article published in an international journal - 01 postgraduate student
25	The Experimental Study Of The Effect Of Suction Pressure Outside Of The Operating Limits On The CO2 Refrigerant Compressor	Dang Thanh Trung		2/2017-5/2018	15.000.000	- 01 article published in an international journal - Providing students majoring in Thermology with new understanding of the high pressure compression process and with the actual deformation condition of a refrigeration compressor.

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						- Providing the thermodynamic parameters of refrigerant compression process in the CO2 air conditioning system
26	The Study On Design And Construction Of The Model Of Electric Automatic Seat Control In Automobile	Nguyen Van Thinh		2/2017-5/2018	12.000.000	<ul style="list-style-type: none"> - 01 article published in the journal of the university - Manual of electric automatic seat control system in automobile - Reference material for teaching about the electric automatic seat control system in automobile in the subject of The practice in body electrical system, safety system and accessories of automobile - 01 model of electric automatic seat control in automobile
27	The Study On Design And Construction Of The Model Of Common Rail - Diesel Engine Control System	Nguyen Kim		2/2017-5/2018	12.000.000	<ul style="list-style-type: none"> - 01 model of common rail - diesel engine control system - 01 technical documentation and manual of the model 01 article published in the Education Journal
28	The Study Of The Solutions Of The Differential Equation With The Discontinuous Derivative	Truong Vinh An		2/2017-5/2018	33.000.000	<ul style="list-style-type: none"> - Strengthening scientific research capacity of the department of Mathematics - Research materials for graduate students, Ph.D. students majoring in applied mathematics - 01 ISI article

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29	A Study On The Impact Of The New Curriculums Of The Basic Science Subjects On Students From The Faculty Of High Quality Training Of The HCMC University Of Technology And Education	Nguyen Hong Nhung		2/2017-5/2018	10.000.000	<ul style="list-style-type: none"> - Research materials for students, postgraduates majoring in probability - Statistics and users of statistics in social science research - Conclusions about the impact of the new curriculums of the Basic Science subjects on students from the Faculty Of High Quality Training
30	A Study Of The Influential Factors On The Quality Of Accounting Information At Public Universities In Ho Chi Minh City	Nguyen Thi Huyen Tram, M.A.		2/2017-5/2018	10.000.000	<ul style="list-style-type: none"> - 01 analysis report - Graduate student training - 01 article published in the Journal of Technical Education
31	Sustainable Development Of Mushroom Cultivation In Vietnam	Vong Thinh Nam, Ph.D.		2/2017-5/2018	15.000.000	<ul style="list-style-type: none"> - 01 analysis report of scientific research: Sustainable development of mushroom cultivation in Vietnam – A case study in Dong Nai Province - 01 article published in a journal, scored 0-1
32	Factors Affecting The Green Food Consumption Intention Of The Youth In Vietnam	Nguyen Thi Thanh Van		2/2017-5/2018	10.000.000	<ul style="list-style-type: none"> - 01 published scientific article (0-0,5 points)
33	The Quantitative Study Of The Impact Of Natural Disasters On Prices Of Consumer Goods In Vietnam	Nguyen Khac Hieu, , M.A.		2/2017-5/2018	15.000.000	<ul style="list-style-type: none"> - 01 article published in the Journal of Economic Development (HCMC University of Economics) - scored 0-1 - A good reference material for

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						graduate student and Ph.D. student training programs in the field of economics and economic development
34	The Study On The Preservation Of Whiteleg Shrimp (<i>Litopenaeus Vannamei</i>) In Can Gio District By Using Natural Antioxidant Additives	Phan Thi Anh Dao, Ph.D.		2/2017-5/2018	15.000.000	- 01 article published in a domestic journal, scored 0-1 - 03 graduate theses
35	The Investigation Of Some Extraction Methods And Some Factors Affecting The Viscosity Of Polysaccharide Gums From <i>Mesona Blumes Benth</i>	Trinh Khanh Son, Ph.D.		2/2017-5/2018	10.000.000	- 01 article published in a journal in the category of Professor and Associate Professor (0-0.5 point)
36	The Study On Factors Affecting The Extraction Process Of Banthocyanin From Catjang Peas Seed And Its Application In The Manufacturing Process Of Mashmallow	Dang Thi Ngoc Dung, M.A.		2/2017-5/2018	15.000.000	- 01 article published in a journal in the category of Professor and Associate Professor (0-1 points)
37	The Applications Of GIS And USLE Model In The Assessment Of Soil Erosion In Kon Tum Province	Nguyen Thi Tinh Au, M.A.		2/2017-5/2018	10.000.000	- 01 article published in a journal in the category of Professor and Associate Professor (0-0.5 point)
38	The Study On The Removal Of Colors In Liquid Solutions By The Adsorption On Citric Acid	Ho Thi Yeu Ly, Ph.D.		2/2017-5/2018	15.000.000	- 01 article published in a journal in the category of Professor and Associate Professor (0-1 points)

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	Modified Bagasse					
39	The Effects Of Exhaust System On The Tensile Strength Of Plastic Welds In The Process Of Injection Molding	Pham Son Minh, , Ph.D.		2/2017-5/2018	15.000.000	- Molds and their heating systems will be used for the research process of postgraduate training - 01 article published in a journal in the category of Professor and Associate Professor (0-1 points)
40	The Design Of Robot To Locate And Map The 3D Indoor Space Using The RGB-D Sensor System	Nguyen Thanh Hai, Ph.D.		2/2017-5/2018	15.000.000	- 01 article published in a domestic journal, scored 0-1
41	The Solutions For Protection Against Lightning Propagation On The Low Voltage Current Source Considering The Influential Factors	Quyem Huy Anh, Assoc. Prof. Ph.D.		2/2017-5/2018	15.000.000	- 01 article published in an international journal
42	The Development Of Algorithm To Determine The Determine Distribution Grid Configuration For Loss Reduction When The Load Varies Over Time	Truong Viet Anh, Assoc. Prof. Ph.D.		2/2017-5/2018	36.000.000	- 01 article published in a SCIE journal
43	The Study Of Load Discharge Considering The Influential Factors	Le Trong Nghia, M.A.		2/2017-5/2018	36.000.000	- 01 article published in a journal
44	The Applications Of Fuzzy Control In Load Shedding	Tran Tung Giang, M.A.		2/2017-5/2018	15.000.000	- 01 article published in an international journal
45	Problem Detection Algorithm In The Power	Nguyen Nhan Bon, Ph.D.		2/2017-5/2018	36.000.000	- 01 article published in a journal

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	System Of Vietnam					
46	The Detection And Evaluation System Of The Transient Stability Of The Electrical Power System	Nguyen Ngoc Au, M.A.		2/2017-5/2018	36.000.000	- 01 article published in a SCIE journal
47	Sliding Mode Control Of Ball – Beam Systems	Nguyen Minh Tam, Ph.D.		2/2017-5/2018	10.000.000	01 article published in a journal with the scoring or the Journal of Technical Education of the HCMC University Of Technology And Education or an International Conference paper
48	The Study On The Enhancements Of The Responsiveness Of Adaptive Fuzzy Algorithms For FACTS Devices In Electrical Power Systems	Truong Dinh Nhon, Ph.D.		2/2017-5/2018	10.000.000	- 01 article published in a journal in the category of Professor and Associate Professor (0.5 points)
49	A Study Of The Applications Of The Static Synchronous Series Compensator (SSSC) In Power Distribution Control In The Electrical Power System	Nguyen Thi Mi Sa, Ph.D.		2/2017-5/2018	15.000.000	- 01 article published in a journal in the category of Professor and Associate Professor (0.75 points)
50	The Synchronization Of The Grid-Tie Inverter Using The Levenberg-Marquardt Algorithm	Tran Quang Tho, M.A.		2/2017-5/2018	36.000.000	- 01 article published in a SCIE journal
51	The Carrier Modulation Algorithm For Reducing The Number Of Circuit-	Do Duc Tri, M.A.		2/2017-5/2018	15.000.000	- 01 article published in a domestic journal

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	Switching Times For The Three-Phase 5-Level Cascaded Inverter					
52	The design of the Controller for MIMO nonlinear systems using the CMAC	Ta Van Phuong, M.A		2/2017-5/2018	35.000.000	- 01 article published in a SCIE journal
53	The Segmentation and construction of 3D images of traumatic injuries in medicine	Le My Ha, Ph.D.		2/2017-5/2018	56.000.000	- 01 article published in a journal
54	Low power Microchips in data storage mode using submicrometer technology	Vo Minh Huan, Ph.D.		2/2017-5/2018	15.000.000	- 01 article published in an international journal
55	Capacity of lecturers teaching in the field of pedagogical knowledge to be capable of the 3.5+1 training model at the HCMC University Of Technology And Education	Vo Thi Ngoc Lan, Ph.D.		2/2017-5/2018	15.000.000	- 01 article published in a journal, scored 0-1
56	A Study of the effects of job characteristics on organizational citizenship behavior in Viet Nam	Phan Thi Thanh Hien, M.A.		2/2017-5/2018	12.000.000	- 01 article published in a domestic journal with defense
57	The effort to achieve the Quality and Environmental Standards certification: A Study of Small and medium-sized enterprises in Vietnam	Nguyen Thi Anh Van, M.A.		2/2017-5/2018	12.000.000	- 01 article published in a domestic journal with the scoring
58	The Automation of the measurement process of the	Le Quang Vu		2/2017-5/2018	12.000.000	- 01 article published in the Journal of Technnology and

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	steering wheel play in the Department of vehicle registration in Vietnam					Science Education or equivalent - The proposed product is an automatic gauge of steering wheel play including a actuator mounted on the steering wheel and a motion sensor mounted on the guide wheel
III	Research Topic Of Students				90.500.000	
1	The Replacement Of Cocoa Butter With Sunflower Oil And The Addition Of Fiber In Chocolate Products	Nguyen Thi Hieu Thao Le Thi Quynh Ta Thi Minh Hien		2/2017-8/2017	4.000.000	The research summary report is used as reference material
2	The Investigation On Inhibitory Activity Of Polyphenol Oxidase Of Avocado Seed (Persea Americana)	Nguyen Tan Dat Nguyen Minh Tuyen		2/2017-8/2017	2.700.000	The research summary report is used as reference material
3	The Isolation Of Curcumin From Turmeric Starch (Curcuma Longa L.)	Phan Dang Quoi Tu Nguyen Van Duong		2/2017-8/2017	2.000.000	The research summary report is used as reference material
4	The Establishment Of The Procedure Of Making Organic Compost From Leaves And Grass At The HCMC University Of Technology And Education	Nguyen Tri Tan Nguyen Thi Bao Thanh		2/2017-8/2017	2.000.000	The research summary report is used as reference material

No.	Name Of Project, Scientific And Technological Task	Leader And Member(S)	National And International Partner(S)	Duration	Contract Funding	Brief Summary, Practical Application(s)
5	The Study On The Factors Affecting The Fermentation Process Of Docynia Indica	Hoang Ngoc Tan Lu Trong Kinh		2/2017-10/2017	2.000.000	The research summary report is used as reference material
6	The Study On The Factors Affecting The Process Of Pangasiidae Lipid Extraction	Pham Thi Huyen Pham Thi Ngoc Diep		2/2017-10/2017	2.800.000	The research summary report is used as reference material
7	The Study And Applications Of The MBBR Technology In Wastewater Treatment From The Cattle Dairy Farm Using The Mutag Biochip With Microbial Inoculants	Tran Le Duy Nguyen Doan Thu Thuy		2/2017-8/2017	2.500.000	The research summary report is used as reference material
8	The Synthesis Of Copper Nanoparticles Using The Microwave-Assisted Green Method	Le Hoang Cong Dang Thi Thanh Mai Nguyen Khoa Thanh Tung		2/2017-8/2017	2.000.000	A copper nanoparticle over 200 nm in size The research summary report is used as reference material
9	The Study On The Applications Of The Model Of Thermoelectric Air Cooling For Cars	Nguyen Van Binh Nguyen Van Quang		2/2017-8/2017	2.500.000	The model The research summary report is used as reference material
10	The Study Of The Throttling Process In The CO ₂ -Based Air Conditioning System By Experimental Method	Huynh Thao Toan Nguyen Tan Thi		2/2017-8/2017	2.000.000	The sample and model The research summary report is used as reference material
11	The Study On The Effects	Loc Chac Hoang Nguyen Bao Toan		2/2017-6/2017	2.000.000	The sample and model The research summary report is

No.	Name Of Project, Scientific And Technological Task	Leader And Member(S)	National And International Partner(S)	Duration	Contract Funding	Brief Summary, Practical Application(s)
	Of The Water Flow To The Evaporative Cooling Process By Experimental Method					used as reference material
12	The Study of the cooling process in The CO ₂ -Based Air Conditioning System By Experimental Method	Vo Sy Liem Do Nhat Nam		2/2017-6/2017	2.000.000	The sample and model The research summary report is used as reference material
13	The Calculation And Design Of The R-134A Refrigerant Recovery Model	Vo Ngoc Trung Dinh Quang Trung		2/2017-8/2017	2.500.000	The Refrigerant recovery model The research summary report is used as reference material
14	The Development Of Mobile Monitoring Software For The Device Of Assisting Patients With Their Meals	Nguyen An Duy La Hoang Thang Ngo Xuan Cuong Tran Tan Thanh		2/2017-6/2017	2.000.000	The research summary report is used as reference material
15	The Study, Simulation And Design Of The Body Of Underwater Robot	Vu Van Thanh Huynh Van Cao Le Van Thien		2/2017-8/2017	2.000.000	The research summary report is used as reference material
16	The Study, Design And Construction Of Automatic Feeding System For The Disabled	Tran Tan Thanh Pham Dinh Quang Huy		2/2017-6/2017	2.000.000	The research summary report is used as reference material
17	The Study And Design Of The Machine Of Making Grilled Shrimp Paste With Capacity Of 1000 Products	Ho Tan Viet Ha Chau Trinh Le Tien		2/2017-6/2017	2.000.000	The research summary report is used as reference material

No.	Name Of Project, Scientific And Technological Task	Leader And Member(S)	National And International Partner(S)	Duration	Contract Funding	Brief Summary, Practical Application(s)
	Per Hour					
18	The Smart Home System With Remote Monitoring And Control	Au Van Bang Ho Nhan Bao		2/2017-8/2017	3.000.000	The research summary report is used as reference material
19	The Design Of 2D Printer	Ho Dinh Khai		2/2017-8/2017	3.500.000	The 2D printer The research summary report is used as reference material
20	The Development Of The Business Model Of Used Books And Devices For Students Of HCMC University Of Technology And Education	Le Huyen Tran Mai Ha My Do Thi Thuy Vi Pham Minh Duc		2/2017-8/2017	3.000.000	The research summary report is used as reference material
21	The Study Of The Influence Of Intersection Expansion In An Motorcycle-Based Environment By Simulation Method	Vo Trong Bo		2/2017-6/2017	3.000.000	Domestic conference paper The research summary report is used as reference material
22	The Study On The Effects Of Gravitational Force On The Process Of Condensation In Microchannel By Experimental Method	Le Quoc Trang Nguyen Tra Anh Khoa		2/2017-6/2017	2.000.000	The research summary report is used as reference material
23	The Study On The Effects Of Gravitational Force On	Nguyen Thanh Phong Bui Quang Chieu		2/2017-6/2017	2.000.000	The research summary report is used as reference material

No.	Name Of Project, Scientific And Technological Task	Leader And Member(S)	National And International Partner(S)	Duration	Contract Funding	Brief Summary, Practical Application(s)
	The Process Of Condensation In Microchannel By Simulation Method					
24	The Experimental Study On The Process Of Condensation In Microchannel Tube Condenser	Bui Van Nhan Pham Le Huu Lam		2/2017-6/2017	2.000.000	The research summary report is used as reference material
25	The Analysis Of Factors Influencing The Dividend Policy Of The Newly Listed Companies On The Ho Chi Minh Stock Exchange From 2012 To The Second Quarter Of 2016	Nguyen Duc Loc Bui Xuan Cuong		2/2017-8/2017	2.000.000	The research summary report is used as reference material
26	The Modeling And Simulation Of The Operation Of Flat Plate Collector	Luong Pham Trung Khanh Ho Minh Thao		2/2017-6/2017	2.000.000	The research summary report is used as reference material
27	The Study On The Absorption Of Textile Dyeing Colors By Using Modified Sugarcane Bagasse	Hoang Thi Khanh Dieu Le Nguyen Minh Nha Trinh Minh Tan Sang		2/2017-8/2017	2.000.000	The research summary report is used as reference material
28	The Study Of Vibratory Screeners	Le Hoang Phuong Nguyen Xuan Dat		2/2017-8/2017	3.000.000	The research summary report is

No.	Name Of Project, Scientific And Technological Task	Leader And Member(S)	National And International Partner(S)	Duration	Contract Funding	Brief Summary, Practical Application(s)
						used as reference material
29	The Study Of The Ecoboost Engine	Nguyen Xuan Dat Le Hoang Phuong		2/2017-8/2017	3.000.000	The research summary report is used as reference material
30	The Design And Construction Of Tube Welding Module Used For Welding Experiments	Phan Trong Vu Le Tien Hoan		2/2017-6/2017	3.000.000	The research summary report is used as reference material
31	The Design Of The Model Of Plastic Classification Based On Colors	Nguyen Hoang An Nguyen Khac Hieu Nguyen Thanh Nguyen Pham Danh Viet		2/2017-6/2017	3.000.000	The research summary report is used as reference material
32	The Study On The Process Of Mold Heating Using Magnetic Field	Nguyen Hoang Quan Cao van Minh Tu Tran Van Truong		2/2017-6/2017	3.000.000	The research summary report is used as reference material
33	The Study And Applications Of The CNC Welding Machine Into Arc Welding.	Le Minh Hung Nguyen Viet Anh		2/2017-6/2017	3.000.000	The research summary report is used as reference material
34	The Design And Construction Of The 3-Axis CNC Welding Machine	Ha Quoc Hoang Doan Phu Quoc		2/2017-6/2017	3.000.000	The research summary report is used as reference material
35	The Study Of Wireless Controller For The RGB LED Matrix Panel Using Raspberry Pi 3 Kit	Hoang Phi Hung Mai Quoc Hung		2/2017-8/2017	3.000.000	The research summary report is used as reference material

No.	Name Of Project, Scientific And Technological Task	Leader And Member(S)	National And International Partner(S)	Duration	Contract Funding	Brief Summary, Practical Application(s)
36	The Design, Construction And Controlling Of 3D Printer	Tran Khuong Duy Ho Nam Trung Nguyen Tan Dat		2/2017-6/2017	3.000.000	The research summary report is used as reference material