

LIST OF LECTURERS' PROJECTS IN 2014

No.	Project title	ID	Project investigator	Expected results	Project duration
I PROJECTS FOR NAFOSTED					
1	Nonsmooth optimization: Optimality conditions and properties of solution sets	101.01-2014.62	Prof. Dr. Phan Quốc Khánh	- 10 ISI articles - 02 non-ISI articles - 03 doctoral theses - 12 master's theses	24 months 06/15 - 06/17
II PROJECTS FOR THE DEPARTMENT OF SCIENCE AND TECHNOLOGY - HCMC					
1	Design and Implement a Smart Grid Home Gateway and wireless devices for Smart Grid network		Dr. Nguyễn Tuấn Đức	- Article(s) published in international conference - Tools that can be used in many departments in HCMC	18 months 12/4 - 06/16
2	Mapping river bank erosion risk in Hochiminh City under climate change situation		Dr. Phạm Ngọc	- 1-2 articles published in domestic journals - Discussion paper	18 months 12/4 - 06/16
III PROJECTS FOR THE MINISTRY OF SCIENCE AND TECHNOLOGY - HCMC					
Projects type B					
1	Development of computational multi-scale homogenization of composite materials	B2014-28-01	Lê Văn Cảnh	- 01 ISI article - 02 non-ISI articles - 03 articles published in international conference - 01 Utility Solution - 01 master's thesis - 02 bachelor's theses	24 months

2	Research and development of applications and protocols in wireless embedded internet	HS2014-28-01	Lê Trung Quân	<ul style="list-style-type: none"> - 01 ISI article - 01 article published in international conference - 02 articles published in domestic conference - 01 Identification process of A.flavus and A. paraciticus - 01 master's thesis - 02 bachelor's theses 	18 months
Projects type C					
1	Detection of young brown drarfs in the solar neighbourhood using the "Lithium test" method	C2014-28-01	Phan Bảo Ngọc	<ul style="list-style-type: none"> - 1-2 articles published in international or domestic journals - 1-2 articles published in international or domestic conference - 01 doctoral thesis or 01 master's thesis 	24 months 01/04/14 - 01/04/16
2	Functional inequalities with applications	C2014-28-02	Prof. Dr. Nguyễn Định	<ul style="list-style-type: none"> - 01 ISI article - 01 master's thesis 	12 months 01/04/14 - 01/04/16
3	Design an electronically controllable beam reflectarray antenna	C2014-28-03	Nguyễn Bình Dương	<ul style="list-style-type: none"> - 01 article published in domestic journal - 01 article published in domestic conference - 01 master's thesis 	24 months 01/04/14 - 01/04/16
4	Study on the technological process of dietary fiber extraction from mango peels	C2014-28-04	Nguyễn Vũ Hồng Hà	<ul style="list-style-type: none"> - 01 ISI article - 01 non-ISI article - 01 master's thesis and 01 bachelor's thesis 	24 months 01/04/14 - 01/04/16

5	Preliminary analysis of Vietnamese colorectal carcinoma tissues by using proteomic approach for identifying prognosis biomarkers	C2014-28-05	Nguyễn Thị Thu Hoài	- 01 article published in international journal - 01 master's thesis and 02 bachelor's theses	24 months 01/04/14 - 01/04/16
6	Design of a monitor and alarm system of accident for elderly and severely disabled people	C2014-28-06	Nguyễn Thanh Tâm	- 01 article published in international journal - 01 article published in international conference - 01 master's thesis and 01 bachelor's thesis	24 months 01/04/14 - 01/04/16
7	Research on genetic diversity related to some interest characters of cassava (Manihot esculenta Crantz) in South-eastern Vietnam based on DNA markers of SSR and targeted genes	C2014-28-07	Nguyễn Phương Thảo	- 01 article published in domestic journal - 01 article published in domestic conference - 01 master's thesis	24 months 01/04/14 - 01/04/16
8	The initial development of the computer-aided scoring system for TOEFL iBT writing tests	C2014-28-08	Dr. Phạm Hữu Đức	- 01 article published in international or domestic journal - 01 article published in international or domestic conference - 01 master's thesis	18 months 01/04/14 - 01/10/15
9	Synthesis of a nanostructure material containing iron oxide for cancer therapy	C2014-28-09	Dr. Trần Trương Đình Thảo	- 01 ISI article - 01 master's thesis	24 months 01/04/14 - 01/04/16
10	A new approach to hidden target detection and localization at high-frequency bands multipath propagation	C2014-28-10	Dr. Nguyễn Ngọc Tường Minh	- 01 article published in international journal - 01 article published in international conference - 01 master's thesis	12 months 01/04/14 - 01/04/15
IV	PROJECTS FOR INTERNATIONAL UNIVERSITY- VNU-HCMC				

1	Investigation of potential application of Vietnamese rice as a sustained release matrix	T2014-01-BME	Dr. Trần Hà Liên Phương	- 02 articles published in international conference - Process Technology - 01 bachelor's thesis	12 months
2	The study on technology - engineering students' awareness of social responsibility and professional ethics - Application for developing course at the International University - Vietnam National University Ho Chi Minh City	T2014-02-BA	Dr. Trần Tiến Khoa	1 report analyzing the results, 1 Course Syllabus	12 months
3	Human activity recognition and monitoring using smart-phone	T2014-04-BME	Dr. Nguyễn Đức Thắng	- 01 article published in international conference - New algorithm	12 months
4	Researching video technologies in traffic monitoring system	T2014-05-IT	Dr. Hà Việt Uyên Synh	- 02 articles published in domestic journal or published in domestic conference - Traffic software - 01 master's thesis and 04 bachelor's theses	12 months
5	Interaction of Solitons of the Nonlinear Schrodinger Equation	T2014-06-MA	Dr. Nguyễn Minh Quân	01 article published in domestic or international journal/conference	12 months
6	GmNAC-carrying vector construction for subsequent plant transformation into Arabidopsis thaliana and preliminary study on its expression contribution to drought tolerance	T2014-08-BT	Hoàng Thị Lan Xuân	- 01 article published in domestic journal - GmNAC-carrying vector - Arabidopsis seeds	12 months

7	A genetic variant in microRNA as a potential signature for breast cancer susceptibility in Vietnamese women	T2014-12-BT	Nguyễn Thị Mai Trâm	- Process of detecting mutations in microRNA - Database % of mutations that occur within UTV patients - 01 bachelor's thesis	12 months
8	Using Tetra-ARMS PCR for determining the association between Canton mutation and G6PD deficiency in Vietnamese-Kinh	T2014-16-BT	Đặng Thị Lan Anh	- 01 non-ISI article - Database of the association between Canton mutation and G6PD	12 months
9	Applications of the theme-based games into teaching vocabulary for IE 1&2 levels	T2014-15-EN	Dr. Nguyễn Văn Thành	- 01 reference book written in a foreign language - "Application GAMES in teaching Vocabulary IE level 1 & 2"	12 months
10	Research on optimum conditions for anaerobic digestion of organic fraction of municipal solid waste	T2014-19-BT	Dr. Phạm Thị Hoa	- 01 article published in domestic conference - 01 bachelor's thesis	12 months
11	Study on factors affecting lipid production of myxomycetes collected from Vietnam	T2014-18-BT	Dr. Trần Thị Mỹ Hạnh	- 01 article published in international conference - 01 master's thesis	12 months