

LIST OF LECTURERS' PROJECTS IN 2012

No.	Project title	ID	Project investigator	Expected results	Project duration (month)
I	PROJECTS FOR NAFOSTED				
1	Molecular interpretation of immobilized deoxyribonucleic acid on solid substrates by sum-frequency generation spectroscopy	106.16-2012.67	Dr. Nguyễn Tấn Khôi	02 ISI articles 02 articles published in international/domestic conferences 02 articles published in domestic journals 02 master's theses	24
2	Design an electronically controllable beam reflectarray antenna working at Millimeter-wave frequencies	102.99-2012.38	Dr. Nguyễn Bình Dương	02 ISI articles 01 non-ISI article 02 articles published in international/domestic conferences 02 master's theses	24
3	Nonlinear wave equations and their applications	101.02-2012.10	Dr. Nguyễn Minh Quân	02 ISI articles 1-2 articles published in international conferences 01 master's thesis	24
4	Study of interactions between the antidepressant fluoxetine and lipid biomembrane	106.03-2012.56	Dr. Nguyễn Thảo Trang	02 ISI articles 01 article published in international/domestic conference 02 articles published in domestic journals 02 master's theses	36

5	Nghiên cứu qui luật động học phản ứng của gốc ơ do ester-alkyl với phân tử O ₂ trong quá trình ô xy hóa nhiệt độ thấp của nhiên liệu diesel sinh học Low temperature oxidation of biodiesel surrogates: Rate rules for Ester-Alkyl + O ₂ reactions	104.03-2012.75	Assoc. Prof. Dr. Huỳnh Kim Lâm	- 02 ISI articles - 01 article published in international or domestic conference - 01 doctoral thesis or 01 master's thesis	24
6	On stability of Volterra equations and functional differential equations	101.01-2012.08	Assoc. Prof. Dr. Phạm Hữu Anh Ngọc	03 ISI articles 2-3 master's theses, 02 doctoral thesis	24
7	Computational study of drug resistant mechanism and computer-aided drug design against influenza: Rational design of universal influenza M2 channel blockers	106.01-2012.66	Assoc. Prof. Dr. Lê Thị Lý	02 ISI articles 01 doctoral thesis 03 master's theses	24
8	Nghiên cứu cơ chế hình thành dạng tinh bột không bị thủy phân ứng dụng trong phòng chống các bệnh tiểu đường và béo phì Research on formation of resistant starches applied for prevention from diabetes and overweight diseases	106.99-2012.26	Assoc. Prof. Dr. Phạm Văn Hùng	- 02 ISI articles - 01 non-ISI article - 01 article published in international or domestic conference - 01 master's thesis	24
II	PROJECTS FOR VIETNAM NATIONAL UNIVERSITY				

1	Research and design an environment monitoring wireless network for Climate Change Monitoring		Dr. Nguyễn Tuấn Đức	- 01 article published in domestic journal - 02 articles published in international conference - Firmwares, router, etc... - 01 article published in domestic conference	24
III PROJECTS FOR THE DEPARTMENT OF SCIENCE AND TECHNOLOGY - HCMC					
1	Evaluate technology transfer and R&D activities and the impact of these activities on the technological capacity of enterprises		Dr. Nguyễn Quỳnh Mai	- 01 article published in international journal - Teaching materials	24
2	Establishing and developing corporate social responsibility (CSR) programs for food-manufacturing industry in HCM city		Dr. Nguyễn Kiểm Thân & Dr. Hồ Nhật Quang	- CSR program - Evaluation criteria	18
IV PROJECTS FOR THE MINISTRY OF SCIENCE AND TECHNOLOGY - HCMC					
1	Determinants of dividend policy in Vietnam	B2012-28-08 - SB	Dr. Vương Hùng Cường	01 article published in international or domestic journal	18
2	Ownership, and the performance of privatised firms in Vietnam agency costs	B2012-28-09 - SB	Dr. Lê Vĩnh Triển	01 article published in international or domestic journal	18
3	Influence of social perceptions of 'businesses' on entrepreneurship of the youth in Vietnam	B2012-28-10 - SB	Dr. Nguyễn Quỳnh Mai & Dr. Phan Triều Anh	Published articles	20

4	Growth and beta-carotene of indigenous and exotic <i>Dunaliella salina</i> strains	B2012-28-02-SBT	Dr. Trần Ngọc Đức	Functional food: <i>Dunaliella salina</i>	24
5	Anti-diabetic activity of <i>Euphorbia</i> spp	B2012-28-05 - SBT	Dr. Hoàng Lê Sơn	02 graduates	24
6	Molecular interpretation of immobilized deoxyribonucleic acid on solid substrates by sum-frequency generation spectroscopy	B2012-28-03 - SBT	Dr. Nguyễn Tấn Khôi	01 ISI article	24
7	Computational study of drug resistant mechanism and computer-aided drug design against influenza: Rational design of universal influenza M2 channel blockers	B2012-28-04-SBT	Dr. Lê Thị Lý	2 ISI articles 4 postgraduates	24
8	Investigation of Vietnam clay as adsorbent material for purification of biodiesel mixture using dry-wash method	B2012-28-01-SBT	Dr. Huỳnh Kim Lâm	01 article published in international or domestic journal 02 graduates	12
9	Career guidance for students by technique of modeling users and matching job specification	B2012-28-12-SCSE	Võ Duy Khôi	01 article published in international or domestic journal	12
10	Developmennt of wireless router based on mobile ad-hoc networks	B2012-28-11 -SCSE	Dr. Lê Trung Quân	- Wireless Router - Published articles	24
11	Designa and implementation of a 13.56 MHR RFID reader applied to supermarket and library management	B2012-28-07 -SEE	Dr. Nguyễn Bình Dương	01 article published domestic or international conference	12
12	Develop the communication protocol for marine navigation integrated in radio	B2012-28-06 -SEE	Kiều Trung Liêm	Network model	12

13	Classical and nonclassical shock waves in van der Waals fluid flows and related topics	B2012-28-14-DMA	Assoc. Prof. Dr. Mai Đức Thành	2-4 ISI articles	24
14	On stability of Volterra equations and functional differential equations	B2012-28-13-DMA	Dr. Phạm Hữu Anh Ngọc	- 2-3 ISI articles - 2-3 master's theses	24
15	Limit analysis of reinforced concrete slabs based on Nielsen's yield criterion	B2012-28-15 - DCE	Dr. Lê Văn Cảnh	- 1 Published article - 1-2 master's theses	12
V	PROJECTS FOR INTERNATIONAL UNIVERSITY- VNU-HCMC				
1	Some Properties of Generalized Convex Sets in Simple Polygons	T2012-1-DMA	Dr. Nguyễn Ngọc Hải	01 ISI article	12
2	Development of a tele-healthcare system for diabetes patients	T2012-2-DBME	Nguyễn Thanh Tâm	Database and web service, software for smartphone, bluetooth communication device	12
3	Research and design a kit and software on matlab to collect and process the biomedical signals	T2012-3-DBME	Lưu Gia Lộc	New KIT Used to teach for Biomedical technology department	12
4	The wireless respiration monitoring device using acceleration	T2012-4-DBME	Nguyễn Văn Hòa	01 article published in international conference	12
5	A dynamic malware analyzer	T2012-5-SCSE	Dr. Phạm Văn Hậu	New software used to teach at relating department	12
6	Examination of the relationship between the mutation rs3741378 of SIPA1 gene breast cancer in Vietnamese women	T2012-6-SBT	Nguyễn Diệu Hoài Chân	Blood sample, 01 ISI article	12

7	Measuring factors affecting inflation in Vietnam and policy implications for cubbing the inflation	T2012-7-SB	Dr. Hồ Nhật Quang	01 article published in international or domestic journal	12
8	Building Source Codes of Genetic Algorithms and Simulation Models for Scheduling and Sequencing Problems	T2012-8-DISE	Dr. Đỗ Thành Lưu	Genetic Algorithms and Simulation Models for Scheduling and Sequencing Problems	12
9	Age-dependent selective maintance policies	T2012-9-DISE	Trương Bá Huy	01 published article	12
10	Design a 2.4GHz Low Noise Amplifier	T2012-10-SEE	Dr. Mai Linh	2.4GHz Low Noise Amplifier 01 published in domestic journal/conference	12