1. ACCOMPLISHMENTS THAT ADDRESS FIVE KEY RESULT AREAS OF PRESIDENT BENIGNO C. AQUINO’S SOCIAL CONTRACT WITH THE FILIPINO PEOPLE

(A) Poverty and reduction and empowerment of the poor

Conducted research with benefits for the poor

- In October 2011, the National Seed Industry Council (NSIC) approved for commercialization three rice cultivars/varieties and one sweet potato. These are Rc276 (Sahod Ulan 4), Rc282 (Sahod Ulan 7), and RC286 (Sahod Ulan 9) for rice and SP32 (UPL Sp13) sweet potato.

- Transgenic papaya with delayed ripening trait and papaya ringspot virus (PRSV) resistance (development stage) addressed the need to time the ripening of fruits with their arrival in the market and control of the PRSV, a major disease of papaya. Seedlings that showed no PRSV symptoms and were positive for the delayed ripening gene are now being field tested under biosafety regime for further evaluation.

- Techniques have been developed for the 1) semi-natural spawning and larval rearing of Biyang Puti and 2) induced spawning and larval rearing of ayungin.

- In postharvest research, the development of the harvesting and postharvest handling guides through adaptive and participatory research, together with capacity building, reduced papaya rejection at the company packinghouse by 37 to 73 percent. This can enhance our market access to Singapore and the Middle East.

- For the Sinta papaya franchise, we received PhP1.1 million from the East-West Seed Company representing royalty payment for 2011. Sales of planting materials by other income-generating projects amounted to almost PhP4 million.

(B) Good governance and anti-corruption

Enhanced Intellectual Property Protection

From 2010 to 2012, UPLB has applied for two patents and for nine copyrights.

In 2012, UPLB applied for one patent for the rearing of earwigs and the biological pest control of earwigs on crops. It also applied for copyright on two books on scientific and technical writing.
In 2011, the University applied for the copyright of seven publications dealing with organic production of some vegetables and manuals for National Service Program (NSTP).

To strengthen the University’s oversight functions and capabilities in biosafety, and bioprospecting, these committees were formed:

- Ad hoc Committee to institutionalize support for the operation of the plant and forest genetic resources of UPLB
- Interdisciplinary committee on bioprospecting that will prescribe the guidelines and procedures for the prospecting of biological and genetic resources in the university

**Formalized System-Wide Quality Assurance**

Various colleges and units of UPLB adhere to and maintain the strictest standards of academic excellence (in terms of faculty, students, curriculum, research outputs, and publications) as required by the Commission on Higher Education (CHED) to be Centers of Excellence (COE) or Centers of Development for Excellence (CODE).

**COE and CODE of UPLB**

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<tr>
<th>Accreditation as CHEd Center of Excellence or Center of Development</th>
<th>COE in forestry education</th>
<th>2010-2013</th>
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<td>College of Forestry and Natural Resources</td>
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<td>Institute of Agricultural Engineering</td>
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<td>COD in statistics education</td>
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<td>COD in environmental science education</td>
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<td>College of Development Communication</td>
<td>COE in development communication</td>
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<td>College of Veterinary Medicine</td>
<td>COE in veterinary education</td>
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<td>College of Agriculture</td>
<td>COE in agriculture education</td>
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Administrative efficiency

Consistent with the UP System initiatives towards administrative efficiency, UPLB implemented the initial stages of e-UP; enhanced the green campus; enhanced the budget process; streamlined university processes; and enhanced personnel benefits.

eUP

To prepare for the eUP deployment, UPLB held trainings for IT analysts to reconfigure and re-program systems for standardization and deployment. It likewise held a Change Management Workshop to create awareness among shareholders and the upper management.

UPLB is retooling and training the administrative staff towards paperless transactions. It is also expanding the present Document Tracking System Program that can be linked to the database program.

For research and extension activities, UPLB implemented new schemes for data collection using new input forms coming from the UP System. This was in anticipation of new data process flows under the e-UP project.

Streamlined University Processes

UPLB makes sure that the delivery of procurement and HR services are efficient and fast. As such, UPLB formed an Ad Hoc committee that reviewed policies and recommended reforms regarding fuel withdrawals, consumption, and reporting procedure for improved quality and more efficient measures.

UPLB has started digitizing its records management system through the Automated Document Technology Management System (ADTMS).

Other steps taken towards administrative efficiency were:


- Flow charts on procedures on personnel appointments as well as on cash advances and payments to facilitate transactions.

- An online inventory system is being developed for commonly used office supplies and materials.

Likewise, UPLB re-tooled its administrative workforce by conducting training workshops and seminars on procurement system, Automated Document Technology
Management System (ADTMS), livelihood programs for retiring employees, individual and organizational values integration, and leadership through performance and coaching, and Administrative Officers’ Forum.

The Office of Student Affairs (OSA) was also able to significantly reduce paper use with the digitized forms developed for OrgsUP in November 2011. Through this program, about 4000 students need not submit photocopies of their Form 5. In June 2012, paper usage was significantly reduced by about 90 percent.

Safety of personnel

To integrate safety and hazard components in the land uses of UPLB and the Makiling Forest Reserve, the Makiling Center for Mountain Ecosystems (MCME) created four hazard maps for UPLB and its immediate environment, specifically for flood, ground shaking, liquefaction, and rain-induced landslide. Hence, guided by these hazard maps, UPLB is better positioned to prepare for and address any disaster.

Titling of UPLB Lands

UPLB owns and/or manages 14,669.23 hectares of land properties that are now in various stages of titling.

To sustainably manage and develop the UP Sierra Madre Land Grants in Quezon, we drafted five sets of TOR for various activities, namely: industrial tree plantation (ITP); agroforestry; ecotourism; biofuel and renewable energy; and non-timber forest products (NTFP). The TOR for the industrial tree plantation has been approved by the BOR in 2012.

The land grants are envisioned to be a natural resource system that promotes environmental stability, protection, conservation and restoration, and at the same time, provides a source of revenues for the University.

We are now reviewing the land use plan of the University. Last month, we renewed our MOU with FEEDS, Inc., an NGO with which we have been collaborating with to develop our land grants in Sierra Madre. We will also develop an ecotourism program that will enhance the science and nature landscape of UPLB and Los Baños.

Water Rights

In compliance with the Water Code of the Philippines, UPLB has applied for the water rights for the nine deep wells inside the campus last September 7, 2012. Water from said wells is being used for agriculture and school use.
Accelerated Intellectual Property Protection and Commercialization

UPLB has enhanced the protection of its intellectual property and benefited from them through commercialization.

To build the capacity of the faculty, researchers and technical staff in IP protection and management, UPLB has conducted a series of IP trainings in partnership with the Intellectual Property Office of the Philippines (IPOPhil) and with the Technology Transfer and Business Development Office. Moreover, UPLB has enlisted as member/franchisee of the Innovation and Technology Support Office (ITSO) since March 2011.

We have submitted all the requirements for accreditation of the UPLB Science and Technology Park (STP) as a Special Economic Zone to the Philippine Economic Zone Authority (PEZA). We have officially launched the DOST-UPLB Technology Business Incubator program. Our Center for Technology Transfer and Entrepreneurship spearheads the marketing of our promising technologies.

With activities picking up at the UPLB STP, UPLB is now aiming to be a showcase for renewable energy use with the location of a Solar Farm in a 6-hectare area at the STP.

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In 2011, the University applied for the copyright of seven publications dealing with organic production of some vegetables and manuals for National Service and Training Program (NSTP).

(C) Just and Lasting Peace and the Rule of Law

(D) Integrity of the environment and climate change adaptation and mitigation

UPLB leads researches on the environment, climate change, and disaster risk reduction management. We have developed a spatially explicit tool for monitoring and communicating environmental risks around the Mt. Makiling Forest Reserve.

UPLB organized or co-sponsored the following:

Symposium on “Water for Life”: Water as a Resource and Hazard, funded by the Alliance Francaise of Manila and the French Embassy in Manila

The First National Symposium and Workshop on Environmental Science held in UP Diliman (co-organized by UPLB)
Trainer’s Training on Formulation of Local Climate Change Action Plan for representatives from SUCs in the 18 major watershed areas in the country

Training on Participatory Community Vulnerability Assessment and Disaster Risk Management for LGUs of Calauan, Laguna

Eco-U Leadership Camp to develop the environmental stewardship of high school students

Green UP

UPLB has made initiatives to be environment-friendly in the use of its land, air, and water systems.

It strictly implements anti-littering and solid waste management policies such as waste minimization.

UPLB created an Ad Hoc Committee on Solid Waste Management to study the establishment of a UPLB Sanitary Landfill after the DENR gave a closure order on the UPLB dumpsite facilities located in Bay, Laguna

The University conducted a Waste Segregation Workshop on May 3, 2012 among dormitory managers. As a result of the workshop, the housing office now implements the use of a three-bin system (green for biodegradables; black for recyclables; and blue for residuals).

With the effective implementation of the Memorandum on the Collection of Residuals Only, the volume of residual waste significantly decreased to 2.75 cubic meters daily from 12 cubic meters daily.

To ensure efficient electrical energy use, UPLB audited the energy use in the University in preparation for the implementation of energy-efficient measures. UPLB created the Energy System Committee to monitor the energy consumption of the University in relation to its total carbon emission.

The UPLB Housing Office (UHO) started using Compact Fluorescent Lights (CFL) in the dormitories and in some housing units.

An anti-smoke belching campaign was held in coordination with DENR to comply with R.A. 87449 (Philippine Clean Air Act of 1999). Emission testing was done on 227 public utility jeepneys out of the 540 registered for the UPLB gate pass issued in 2012.

At the UP System level, UPLB has provided its expertise by developing a comprehensive Native Trees Management Program for all UP campuses. The program recommends a GIS-based re-inventory of all tree species in the UP campuses, and formulation of
guidelines in producing planting stocks, and planting and maintenance of native trees in the UP campuses.

**Rapid inclusive and sustained Economic growth**

**Off-campus Offerings**

UPLB offers the off-campus program of Master of Science in Development and Governance to the staff of the Municipality of Cabuyao and the Philippine Tourism Authority, as well as to local chief executives (through the Department of Interior and Local Government). This is designed to bring graduate studies in the workplace so that theoretical and conceptual learning are immediately contextualized in the agencies' environment.

**Public Service**

UPLB helped craft the following Laguna Environmental Code (E-code) with the Provincial Government of Laguna.

We have proactive Pahinungod and Padayon programs catering to grassroots communities. Our Pahinungod volunteers are engaged in programs related to affirmative action, youth and women development, technical assistance, immersions, and education and literacy. From November 2011 to November 2012, we mobilized 531 volunteers for various forms of assistance to underserved sectors.

Pahinungod implemented long-term projects in educational enhancement and health/nutrition for public elementary schools. It launched two new programs: Reading Enhancement and Appreciation Development Program (READ) and the Environmental Advocacy Program (EAP). Likewise, it revived the Immersion-Mission (I-M) Program and the Teachers’ Training Program (TTP) in the context of the K+12 Basic Education Reform.

Under the Padayon program, we have been organizing quick response teams to address pest and disease outbreaks in farms and plantations.

Aside from the Pahinungod activities, UPLB has offered 1,145 non-degree training courses and other extension activities to more than 53,998 beneficiaries from January to September 2012. Some of these include:

**Trainings and Capacity Building**

- Day Care Resource Center Training Courses to capacitate day care workers in teaching day care students. This project is in cooperation with the LGUs of Laguna and the Department of Social Welfare and Development (DSWD-Laguna)
- Trainings and workshops on Collaborative Research, Development and Extension Services for Food Security (CRDES) in Regions 4A, 4B, and 5. This collaborative
work with SUCs, DA regional field units (RFUs), and provincial LGUs help 16 provinces craft their provincial action plans (PRAP) to achieve food security in the regions.

- Formulation of the Comprehensive Agrarian Reform Program Extension with Reforms (CARPER) as embodied in RA No. 9700 through a position paper prepared by CPAf. Some of the recommendations of the project entitled “Sustaining the Gains of CARP: Master for Philippine Rural Development” have been incorporated in Sections 9 (pars. 3 and 4), 13 (pars. 1 and 2), and 14 (Item f) of RA 9700.

- A series of 14 training courses on “Strengthening Agricultural Development Planning and Governance for Food Security” conducted nationwide in collaboration with the Department of Agriculture - Agricultural Training Institute (DA-ATI). The aim was to build the capacities of 4th to 6th class municipalities in agricultural planning amidst globalization and climate change issues.

- 2nd International Continuing Professional Education (CPE) Symposium in Veterinary and Comparative Pathology organized by the College of Veterinary Medicine

- International Training Course on Specialized Small Animal Practice with four international speakers from Japan, Singapore and Thailand, also organized by CVM

- Development of a Comprehensive Land Use Plan for the Municipality of Nagcarlan, Laguna

- Production and widespread dissemination of 14 policy papers on agriculture and related topics such as on marketing, alternative energy, sustainable development, agrarian reform, trade, and poverty and malnutrition among policy makers in the Senate, House of Congress, national government agencies, and international organizations such as the World Bank.

- Conduct training on Barangay Integrated Development Planning (with emphasis on food and nutrition security, disaster preparedness and management and hunger mitigation) and updating the Barangay Management Information System (BMIS) in three municipalities of Laguna, namely: Calauan, Nagcarlan and Rizal through the BiDANI Network Program.
2. ACCOMPLISHMENTS IN LINE WITH THE ROADMAP OF PUBLIC HIGHER EDUCATION REFORM

Reform 5. Upgrading qualification of faculty

Modernized pedagogy

To modernize pedagogy and capacitate teachers to teach the ‘gamer generation,’ UPLB integrated the Interactive Learning Center and the Standing Committee on Paradigm Shift on Teaching and Learning. UPLB conducted a seminar-workshop series on the development/packaging of interactive learning materials. It established more interactive learning hubs in the libraries, academic buildings, dormitories in the campus.

Graduate Mentoring and Apprenticeship Program

UPLB pioneered the Graduate Mentoring and Apprenticeship Program (GMAP) in AY 2008-2009, and it is the only CU with such a program. This program inculcates in our postgraduate students the discipline as well as the values and ethics of doing research from our senior and respected scientists. From SY 2008-2009 to SY 2011-2012, a total of 108 graduate students have been or are being mentored by senior faculty of UPLB in teaching and research.

Library holdings

In addition, UPLB has continuously increased its library acquisition and electronic databases to support instruction and research. Students and staff have access to thousands of online electronic resources such as the Agronomy Journal, CAB Direct, Compendex, EBSCOHost Research Database, Gale Virtual Reference Library, IEEEExplore, JSTOR, Proquest databases, Science Direct, Scopus, Springer Link and Swetswise. It also keeps The Essential Electronic Agricultural Library (TEEAL) as well as the Agricola.

Off-campus Offerings

UPLB offers the off-campus program of Master of Science in Development and Governance to the staff of the Municipality of Cabuyao and the Philippine Tourism Authority, as well as to Local Chief Executives (through the Department of Interior and Local Government). This is designed to bring graduate studies in the workplace so that theoretical and conceptual learning are immediately contextualized in the agencies’ environment.
Reform 6. Upgrading leading SUCs to international standards

Intensified Internationalization

UPLB created an Ad Hoc Committee on Internationalization to identify strategic directions and initiatives to enhance the internationalization of the UPLB Graduate School.

The University continues to cultivate and maintain our linkages with the international education community through our participation in international fora, conferences and meetings.

Centers of Excellence/Development program

UPLB has formalized a system-wide quality assurance. Various colleges and units of the University adhere to and maintain the strictest standards of academic excellence (in terms of faculty, students, curriculum, research outputs, and publications) as required by the Commission on Higher Education (CHED) to be Centers of Excellence (COE) or Centers of Development for Excellence (CODE).

Straight MS and Ph.D. programs

To be competitive globally, UPLB will work on the offering of a straight MS program and effectively market our straight Ph.D. programs. In addition, the University will also work out the accreditation of our academic programs in compliance with global standards. It will also conduct a curricular planning workshop to design degree programs to be offered offshore and in collaboration with universities abroad. UPLB is also currently developing a unified internationalization plan and international academic programs.

Reform 8. Strengthening student financial assistance programs

To address the financial needs of the students, UPLB’s Office of Student Affairs offers the following services: Socialized Tuition and Financial Assistance Program (STFAP), Student Assistantship (SA), loan programs, and scholarship programs. UPLB released PhP1.3 M for tuition fees and stipend to more than 4,000 students during the second semester 2011-2012 under the STFAP. A loan of PhP99.9 thousand was used by for 8,146 students during the second semester 2011-2012 to first semester 2012-2013.