

<p><b>Name of Extension/Public Service</b> (The name of the service being offered)</p>	<p>Management Systems Engineering Program (MSEP)</p>
<p><b>Objective</b> (Description of the service being provided; History of service provision)</p>	<p>Public, private and government institutions of today operate in an environment characterized by intense competition, constant change and a strong customer focus. Considering today's business environment, there is a strong need in all sectors and at all levels of the economy to apply engineering principles throughout the enterprise. The Department of Industrial Engineering of the University of the Philippines Los Baños recognized this as an opportunity to expand its horizons and networks and at the same time serve its core functions of research, instruction and extension. Thus in 2012, the MSEP was instituted. Several projects and services have since been offered to the university, and other public and private institutions.</p> <p>This program applies engineering principles to identify, analyze and solve management problems within an enterprise or institution. Through research, education and training, the program provides and utilizes the appropriate tools and methods for management systems design, assessment, analysis, implementation, and improvement. It provides decision support to organizations through the development and application of approaches, methodologies, and systems in the areas related to process management, quality management, and cost management. These cover all aspects of business management, including the management of quality, occupational health and safety, environment, information technology, finance, among other. Examples of management system standards covered are ISO 9001 Quality Management, ISO 14001 Environmental Management, ISO/IEC 27001 Information Security Management, and SA8000 Social Accountability.</p>
<p><b>Duration/Date</b></p>	<p>As per request and type of service needed to be rendered</p>
<p><b>Target Beneficiaries</b></p>	<p>Students, researchers, and local and national organizations</p>
<p><b>Cost of Participation</b></p>	<p>Case-to-case basis. Cost of participation will depend on the type and nature of the service to be rendered.</p>
<p><b>Office in Charge</b></p>	<p>Department of Industrial Engineering College of Engineering and Agro-Industrial Technology University of the Philippines Los Baños</p>



<p><b>Office Profile</b>  <b>Degree granting or non-degree granting</b>  <b>Purpose of creation</b>  <b>Location in the hierarchy</b>          (Background of the office providing the service          i.e. Number of personnel and Key personnel providing the service)</p>	<p>Due to the growing demand for capable industrial engineers, the University of the Philippines Los Baños (UPLB) started to offer the Bachelor of Science in Industrial Engineering program during the first semester of AY 1999-2000, with eight shiftees as its pioneer students. Currently headed by Professor Haerold Dean Z. Layaoen, the first graduate of the curriculum, the Industrial Engineering Department (UPLB-IED) has around 300 students enrolled, with an average of 28 graduates per semester.</p> <p>The department has been developing consistently to achieve its mission, which is to serve as a Center of Development in engineering consciousness linked to proficiency in terms of industrial resources and systems and consistent with the protection and conservation of the natural environment. It also envisions to be a Center of Excellence for Industrial Systems Engineering in the Philippines under the National Engineering Education System of the Commission on Higher Education, and to serve as a national institute for research and development in industrial and systems engineering. This continuous development is manifested in the curriculum offered by IED. Since 1999, it has already undergone three revisions to maximize the potential of each student and to cater to the changes in the academe and the industry.</p> <p>Currently, there are 13 faculty and six administrative staff in IED.</p>
<p><b>Awards/recognition received by the office</b>          (The awards given by or received by the office offering the service, if any)</p>	<p>None</p>
<p><b>Official website and Social media accounts</b>          (The link to the official website of the service)</p>	<p><a href="http://die.uplb.edu.ph">die.uplb.edu.ph</a>  <a href="http://ovcpd.uplb.edu.ph">ovcpd.uplb.edu.ph</a>  <a href="https://facebook.com/iedceat/">facebook.com/iedceat/</a></p>
<p><b>External links for documentation</b>          (The external links featuring the service [for the electronic</p>	<p>None</p>



<p>copy, e.g. features in newspapers etc.)</p>	
<p><b>Contact details</b> (The contact details of the head of the unit offering the service: fax, telephone, email, snail mail, map)</p>	<p>Haerold Dean Z. Layaoen Chairman (049) 536-6625, (049) 530-3407 <a href="mailto:hlayaoen@up.edu.ph">hlayaoen@up.edu.ph</a></p> <p>Aaron B. Jimenez Administrative Assistant II (049) 536-6625 <a href="mailto:abjimenez4@up.edu.ph">abjimenez4@up.edu.ph</a></p>
<p><b>Other Remarks</b></p>	<p><b>Accomplishments:</b></p> <ol style="list-style-type: none"> <li>1. ISO 9001:2008 QMS awareness for UPLB</li> <li>2. Establishment of supplier database and performance evaluation system using systems analysis and design</li> <li>3. Streamlining and improvement of the UPLB Supply and Property Management Office (SPMO) property management section disposal process through needs identification and value analysis</li> <li>4. Efficiency improvement of the inventory system through floor layout optimization and web-based inventory system development of UPLB SPMO</li> <li>5. Establishment of incoming quality control system for common-use supplies in the SPMO, UPLB, College, Laguna</li> <li>6. Establishment of the centralized warehouse for the construction, electrical, and mechanical supplies used in maintenance and rehabilitation projects in UPLB, College, Laguna</li> <li>7. Improving the government procurement system through systems analysis and design</li> <li>8. Streamlining the procurement process of UPLB</li> <li>9. Improvement of the document process flow of the UPLB Cashier Office by establishing time standards, elimination of non-value adding non-essential activities, and providing layout enhancements</li> <li>10. Improvement of the document process flow of the UPLB Accounting Office by establishing time standards, elimination of non-value adding non-essential activities, and providing layout enhancements</li> <li>11. streamlining and improvement of the University of the Philippines Los Baños Office of the Vice Chancellor for</li> </ol>



	<p>Research and Extension (UPLB-OVCRE) processes through value analysis</p> <ol style="list-style-type: none"><li>12. Seminar on the fundamentals of forecasting, inventory management, and capacity planning</li><li>13. Seminar on the fundamentals of operations management, methods engineering, and time study</li><li>14. Development of the standard time in the editing and post editing sections of Rex Publishing Incorporated as basic for capacity planning</li><li>15. Multi-criteria evaluation of a 1.5-ton 3-roller village level stationary and mobile cane mill system using sweet sorghum for bioethanol production in Ilocos Norte</li><li>16. Location selection for the Philippine Science High School campuses in Region 4A, 4B and 9</li></ol>
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