



## **EXPERT'S PROFILE**

**Name of Grantee :** **ISAGANI J. SARMIENTO, PhD**  
**Area of Expertise :** Biological and Agricultural Engineering  
**Inclusive Date of Contract as BSP Awardee :** Short Term Program  
24 January – 29 April 2013  
**Host Institution :** College of Engineering and Agro-Industrial Technology  
University of the Philippines Los Baños  
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## **EDUCATIONAL BACKGROUND**

**PhD in Biological and Agricultural Engineering**  
North Carolina State University, 1981  
**MS in Agricultural Engineering and Operations Research**  
University of the Philippines Los Baños, 1977  
**BS in Agricultural Engineering**, University of the Philippines Los Baños, 1969

## **PROFESSIONAL EXPERIENCE**

1993-2010 **Quality Engineer**  
Bio-Pharmaceutical and Medical Device Manufacturing Companies in California  
Crumbs Engineering Inc.

1991-93 **Consultant**  
Integrated Design Systems Incorporated  
Santa Clara, CA

1990-91 **Consultant**  
Pacific Gas Transmission  
San Francisco, CA

1989-90 **Computer Programmer/Operator**  
City and County of San Francisco, CA

1988-89 **Goldilocks Bakeshop**  
South San Francisco, CA

**1985-86 National Team Leader**

Agricultural Engineering Commodity Research

Philippine Council for Agricultural Research Resources and Development (PCARRD)

**TO BE ACCOMPLISHED AS BS AWARDEE :**

- a) Conduct lecture series and seminars to train the faculty, researchers and students on precepts of Quality, Productivity and Reliability with emphasis on human values and Filipino cultural paradigms; Continuing Improvement (CI) with emphasis on the CI system and management tools and their application in organizations; and Root-Cause Analysis, Gap Analysis and Risk Management; and
- b) Undertake a Sample Test Case as an application of the organizational approach to produce a system of Risk Management and Quality Assurance for UPLB-CEAT to strengthen its culture of excellence.