



EXPERT'S PROFILE

Name of Awardee : **MANUEL V. HERNANDEZ, JR., PhD**
Area of Expertise : Mechanical Engineering
Inclusive Dates of Contract as BSP Awardee : Short-Term Program
11 March - 15 May 2013
11 July - 23 October 2013
Host Institution : DOST-MIRDC

EDUCATIONAL BACKGROUND

PhD in Mechanical Engineering, University of Florida, USA, 1983
MS in Mechanical Engineering, University of Florida, USA, 1979
BS in Mechanical Engineering, University of the Philippines, 1975

PROFESSIONAL EXPERIENCE

Professorial Lecturer

Department of Mechanical Engineering
UP Diliman

Research Associate

Department of Mechanical Engineering
UP Diliman

1976-2005 Instructor to Full Professor of Mechanical Engineering

Department of Mechanical Engineering
UP Diliman

Consultant

ACME Tools Co., Baltimore Spice Corp., MK Screens,
Malakas Steel Mill and ARGO Steel Fabrication

Vice President for Engineering & Special Projects

Steel Asia Mfg. Corp., Modern Bar Mill

1992-94 Engineering and R&D Head

MK Screens

Vice President for Engineering and Maintenance

H.M. Montenegro Group of Companies

1984-87 **Chair**
Department of Mechanical Engineering
UP Diliman

February 1987 **Consultant**
Tariff Commission

1985-86 **Member, Nuclear Safety Advisory Board**
Philippine Atomic Energy Commission

1983-86 **Member, Committee on Research and Publication**
UP College of Engineering

1984 **Project Manager**
Design, Fabrication, Installation and Testing of Electrical/Electronic/Mechanical Systems
Supporting the Audio Visual Equipment
Department of Agriculture

1982 **Member**
Project Team of a Professor/Consultant Designing an Instrument Holder for one of the
NASA Space Shuttle Payloads
University of Florida

1977-1978 **Project Engineer/Manager**
Jamar Industrial Company

1977 **Consultant**
Ostrea Mineral Laboratories

1976-78 **Technical Consultant**
Industrial Test Masters Inc.

1977-78 **Project Team Member**
Mini Hydro Plant Development Project
NWRCP

1975-76 **Maintenance Manager**
Toilet Soap Department
Procter & Gamble Phil. Mfg. Co.

TO BE ACCOMPLISHED AS BS AWARDEE:

- Provide consultancy on the development of DOST-MIRDC's monorail prototype project