

## EXPERT'S PROFILE



**Name of Grantee** : **DR. MANUEL V. HERNANDEZ**  
**Area of Expertise** : Theoretical condensed matter physics  
**Inclusive Date of Contract as BSP Awardee** : Short-Term Program  
10 July – 28 September 2015  
**Host Institution** : Metals Industry Research and Development Center (MIRDC)

### EDUCATIONAL BACKGROUND

- **PhD in Mechanical Engineering**, 1983, University of Florida
- **MS in Mechanical Engineering**, 1979, University of Florida
- **BS in Mechanical Engineering**, 1975, University of the Philippines Diliman

### PROFESSIONAL EXPERIENCE

- 2006 – 2007 **University of the Philippines**  
Professorial Lecturer
- 2006 **Department of Mechanical Engineering, UP Diliman**  
Research Associate
- 1976 - 2005 **College of Engineering, UP Diliman**  
Instructor to Full Professor
- 1997 - 2005 **ACME Tools Company**  
**Baltimore Spice Corporation**  
**MK Screens**  
**Malakas Steel Mill**  
**Argo Steel Fabrications**  
Consultant
- 1994 - 1996 **SteelAsia Manufacturing Corporation**  
Vice President for Engineering and Special Projects
- 1992 - 1994 **MK Screens**  
Engineering and R&D Head
- 1988 – 1992 **H.M Montenegro Group of Companies**  
Vice President for Engineering and Maintenance
- 1984 – 1987 **Department of Mechanical Engineering, UP Diliman**  
Chairman
- 1984 **Tariff Commission**  
Consultant

### TO BE ACCOMPLISHED BY THE BSP AWARDEE

1. Consultation for railway train (commercial version)
2. Consultation for road train (commercial version)
3. Consultation for Automated Gateway Transport System (AGTS)

4. Consultation for the refinement of design of hand tractor and transplanter
5. Consultation for raffia fiber knotter
6. Consultation for loom weaving machine
7. Lecture series in mechanical engineering