

EXPERT'S PROFILE

Name of Grantee : **ENGR. VICENTE E. DYREYES**
Area of Expertise : Aerospace Engineering and
Space Technology

**Inclusive Date of Contract
as BSP Awardee** : Short-Term Program
05 July 2018 – 02 October 2018

Host Institution : FEATI University



EDUCATIONAL BACKGROUND

- **Doctoral Units in Applied Mechanics**, 1979, Polytechnic University of New York
- **MS Applied Mathematics**, 1972, Stevens Institute of Technology, New Jersey
- **MS Engineering**, 1967, New Jersey Institute of Technology, New Jersey
- **BS Civil Engineering**, 1962, National University, Manila

PROFESSIONAL EXPERIENCE

- 2013-2015 **Consulting Engineer**
Strand Aerospace Malaysia
- 2012-2013 **Contract Engineer**
Bombardier Aerospace
- 2011-2012 **Contract Engineer**
Lockheed Martin Space and Aerospace Corporation
- 2008-2010 **Contract Engineer**
Northrop Grunman Corporation
- 2007-2008 **Contract Engineer**
Gulfstream Corporation
- 2007 **Contract Engineer**
Material Science Corporation
- 1999-2007 **Principal Engineer**
Northrop Grunman Corporation
- 1989-1999 **Senior Technical Engineer Specialist**
Northrop Grunman Corporation
- 1983-1989 **Engineering Specialist**
Northrop Grunman Corporation
- 1974-1983 **Senior Engineer**
Northrop Grunman Corporation
- 1968-1974 **Instructor**
New Jersey Institute of Technology

ACCOMPLISHMENTS AS A BSP AWARDEE

1. Assisted and provided technical expertise in the PCIEERD-funded project on ““Design and fabrication of an airframe for medium-range, short take-off and landing of unmanned aerial vehicle (UAV)””;
2. Completed the syllabi revision and preparation of course materials (subjects : AMT 121 – aircraft materials, construction and repair and AMT 423 – mechanics of aircraft materials);
3. Conducted seminars and workshops on the on the theory and practical application of finite element analysis to the aerospace industry;
4. Developed the Finite Element model of the UAV airframe structure
5. Contributed Finite Element Analysis and Parametric Model to LAWIN-1