

## **JOSEPH RANIEL A. BIANES**

Associate Professor III

Polytechnic University of the Philippines

### **1. Academic Leadership**

- Associate Professor 3 at PUP College of Engineering, teaching civil engineering and construction management with emphasis on sustainability and resilience.
- Scholar under the Department of Science and Technology – Science Education Institute, advancing research in engineering and construction management.
- Local Faculty Fellow at PUP, contributing to curriculum development, faculty mentoring, and program evaluation in engineering education.

### **2. Specialized Expertise**

- Holds Master of Science in Construction Management from PUP Open University System, specializing in project execution and construction sustainability.
- Licensed Civil Engineer and Master Plumber, with professional accreditations in project management, safety, and construction evaluation.
- Certified Project Manager, Senior Project Manager, and Accredited CMDF Resource Speaker for construction and project execution modules.

### **3. International Representation**

- Presenter and co-author in international conferences including IWA DIPCON, APAMS, and DLSU Research Congress.
- Awardee of Outstanding Young Water Professional Innovation Award by UNESCO-iWSSM for innovative solutions addressing global water challenges.
- Active member of international associations such as IAENG and APCORE, representing Philippine civil engineering research globally.

### **4. Research Productivity**

- Published peer-reviewed articles on construction management, civil engineering innovations, environmental sustainability, and risk assessment in project execution.
- Research projects include soil erosion modeling, flood risk assessment, concrete retrofitting, and disaster resiliency in urban environments.
- Adviser, panelist, and mentor for undergraduate and graduate research, ensuring methodological rigor and outcome-based education alignment.

### **5. Editorial & Peer Review Experience**

- Member of Regional Quality Assessment Teams under CHED, evaluating engineering programs for accreditation and compliance with standards.
- Accreditor for AACCCUP, contributing to institutional quality assurance and program evaluation in engineering and technology.
- Reviewer and lecturer for civil engineering and master plumber board examinations, supporting professional licensure preparation.

#### **6. Engagement in Policy & Practice**

- Consultant and evaluator for higher education institutions, guiding accreditation, program recognition, and quality assurance in engineering.
- Resource speaker in national and international seminars, delivering lectures on construction management, project execution, and disaster resiliency.
- Actively involved in professional organizations such as PICE, TSSP, and Envitecs, promoting engineering practice and sustainable development.