

RAMIDA TANVILAI

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EDUCATION

PATUMWAN DEMONSTRATION SCHOOL

Bangkok, Thailand

Mathematics-Science Program Student

2014 - 2020

GPA 3.22

SIRINDHORN INTERNATIONAL INSTITUTE OF TECHNOLOGY, THAMMASAT UNIVERSITY

Pathum Thani, Thailand

Bachelor of Engineering Program in Civil Engineering (International Program),

GPA 3.28, Second Class Honor (Expected)

- Led a team in designing an innovative product for a case study in Engineering Material class, a self-healing concrete pipe to help improve the user's quality of life and contribute to the sustainable development of our society.
- Led team in field surveying project in surveying class using survey instruments and AutoCAD to provide topographic surveys to help site planning and utility placement which can reduce costs and improve residents' quality of life.
- Analyzed the case study of deterioration in RC structure of Calcium leaching and found the method to repair and to maintain in Durability and Deteriorations of Construction Materials class, demonstrating strong problem-solving skills and a proactive approach to risk mitigation.
- Led a team in developing a case study in Construction Engineering and Management class on Project Delivery Systems used in selected major construction projects to demonstrate advanced research, critical analysis, leadership in assessing project management methodologies.
- Led a team in a Quantity Take-off project in Construction Engineering and Management class, utilizing Building Information Modelling (BIM) software, Revit. Created a model of main structural concrete elements and compared results using manual quantity take-off skills. Showcased expertise in construction technology and project management.

PROFESSIONAL EXPERIENCE

ARCHITECTURAL ENGINEERING 49 LIMITED (AE49)

Bangkok, Thailand

Internship under the supervision of Mrs. Nattiya Lerdsivanon, senior structural engineer.

June - July 2023

- Conducted a Site inspections of Nursery Baan Seua Yhai to identify and assess the condition of buildings that require repairs, providing valuable insights into on-site construction practices and quality control.
- Assisted in designing structural elements, contributing to the development of innovative and practical solutions for construction projects for example, framing and design stairs in Ramathibodi Hospital Yothi project.
- Designed and executed the refurbishment of the laundry area at the Nursery Baan Seua Yhai charity project, implementing structural repairs for land subsidence damage. Employing detailed engineering drawings to guide the construction process.
- Prepared Bills of Quantities (BOQs) for the Ramathibodi Hospital Yothi project (beams) and the Agricultural Land Reform Office Pradipat Road project (beams & columns), demonstrating proficiency in cost estimation, project planning, and structural engineering for both beams and columns.

ACHIEVEMENT

- Led a team in a senior project on “Performance comparison between surfaces bonded and embedded zinc sacrificial anode to protect corrosion of reinforced steel in chloride-contaminated concrete” to optimizing cost-efficiency and environment sustainability.

ADDITIONAL INFORMATION

- Languages: Thai (native), English (fluent)
- Program Skills: Familiar with ETABS, Strand7, AutoCAD, RISA-3D, and Revit
- Profit organization and social club, the Foundation for the Blind in Thailand, with my family
- Hobbies & Interests: traveling, reading, drawing, and baking.