

## **PhD Student with Research Assistant Position**

### **Novel Technology Research Group at TGGS-CPE**

Novel Technology Research Group at Chemical and Process Engineering Program (CPE), The Sirindhorn International Thai-German Graduate School of Engineering (TGGS) opens for PhD Student with Research Assistant Position in Separation Technology with Electrical Field research.

PhD Student in Chemical and Process Engineering (CPE) with possible the tuition fee waiving and double degree with University of Liège in Belgium.

Research Assistant Position is hired by Novel Technology Research Group with the monthly allowance.

#### **Qualifications:**

1. Graduate with Master Degree in Chemical Engineering or Related Fields with GPA 3.25+ (Note that in order to apply for full scholarships, GPA 3.50+ is required.)
2. Good speaking/writing/reading skills in English with English Proficiency Test Score of IELTS 5.0+ or equivalent (Graduation Requirement with IELTS 6.0+ or equivalent) (Our research group has a research collaboration with the professor in Belgium.)
3. Academic and/or work experience, especially with the experimental work, related to the followings field of research
  - Separation Technology, especially with the use of electrical field
  - Chemical Reactions especially for Biodiesel Production or other renewable energies
  - Emulsion and/or Colloidal System

Note: Good knowledge in Thermodynamics, Kinetics, Transports and Process Design are essential.

4. Experience with the one or more of following specialized software or datasets
  - Programming using Fortran, VB, or other languages
  - Excel with VBA
  - MATLAB or other mathematical software
  - Image Analysis Processing Software (ImageJ, VSCO, etc.)

Other software may be considered.

#### **Job Description**

TGGS research assistant is expected to work on many research projects during the study period similar to the German Education Model. Typical responsibilities include the following:

- Research Projects work with agencies and industries

- Prepare materials for submission to granting agencies and industries
- Provide the training on analyzers and/or instruments as necessary to students
- Supervise bachelor and master students working on the research projects (maintaining records on assignment completion, acting as liaison/mediator between the students and the head of research group)
- Other jobs that are assigned by the head of research group

**Apply for the position with the following documents:**

- CV
- Transcripts
- Photocopy of National ID Card

**Contact**

Head of Research Group:

Assoc. Prof. Dr. Tawiwat Kangsadan at [tawiwat.k@tggs.kmutnb.ac.th](mailto:tawiwat.k@tggs.kmutnb.ac.th) or 081-819-8074