JOB TITLE: EENG2 – Electric Machine Model Development Assistant

DEPARTMENT NAME: Electrical and Computer Engineering

CONTACT NAME: Ilamparithi Thirumarai Chelvan

JOB DESCRIPTION:

Under the supervision of the faculty member, the successful candidate will assist the faculty member in developing a set of simulation models in MATLAB software. The models will be related to electric machines and drives courses instructed at UVic.

Duties include:
1. Assist in the development of a set of electric machines and drives models in MATLAB.
2. Assist in validating the developed models.
3. Assist in creating a user interface that would allow undergraduate students to work with the models easily.
4. Document the details about the models for future revisions.
5. Assist in preparing a manual that would allow students to perform virtual experiments on the developed models.

QUALIFICATIONS:

Essential
1. Experience working with electric machines such as transformers, DC motors, induction motors, and synchronous motors.
2. Excellent oral and written communication skills.
3. Well organized, self-motivated, detail focused, and able to consistently meet deadlines.
4. Enthusiasm to learn new concepts/skills.

Assets
2. Experience designing controllers.
3. Successful completion of ECE 370 or equivalent courses.

Preference will be given to an undergraduate student in the Department of Electrical and Computer Engineering.

JOB LOCATION ON-CAMPUS: Engineering Office Wing 407

WORK STUDY WAGE: $14.50/hour (includes 4% vacation pay)

DEPARTMENT TOP UP: $12.65

Applicants must be eligible for Work Study Program
For details go to: http://www.uvic.ca/registrar/safa/work-study/index.php
Applicants must be eligible for Work Study Program
For details go to: http://www.uvic.ca/registrar/safa/work-study/index.php

HOURS AVAILABLE: 100
HOW TO APPLY: Please email cover letter and resume to ilampari@uvic.ca