

RESEARCH ENGINEER (CONTRACT) FOR THE AHEAD-RIC PROJECT OF THE FACULTY OF ENGINEERING, UNIVERSITY OF PERADENIYA

Salary: Rs. 120,000.00 per month

Contract Type: The posts are full time, available immediately and are fixed term initially for 3 months.

We seek to recruit highly motivated Research Engineers with proven intellectual and technical ability to conduct independent research and development (R&D) activity on smart transformers. You should have BSc Eng degree specialized in Electrical/ Electrical & Electronic / Electrical and Telecommunication. Having postgraduate qualification and training experience will be an advantage. Please apply with your CV and an additional document highlighting previous research and electronic circuit implementation tasks (please limit the additional document to 3xA4 size pages). You may post or email your application to Prof. J.B. Ekanayake.

Closing date of this call is 30/09/2020, 5 pm

The scope of Work:

Under the Accelerating Higher Education Expansion and Development (AHEAD) - Operation Results Area 3 - Research Innovation and Commercialization (RIC) grants, the Department of Electrical and Electronic Engineering (DEEE) of the University of Peradeniya won a Research Innovation and Commercialization grant to design, fabricate, test and commercialize a Smart Transformer (STR) together with a smart Distribution Management system (s-DMS). The DEEE will work very closely with the Lanka Transformers Ltd and first design and fabricate the transformer at the industry premises and dispatch to Peradeniya for laboratory testing.

The Research Engineer will be responsible for fabrication of the power electronic converters, magnetic components, controllers, and auxiliary equipment and carry out steady state and dynamic testing of the STR

Some of the other tasks include

- a) help research team to design the test bed and procure equipment
- b) implement test bed for different tests
- c) help prepare copyright applications, IP applications, commercialisation agreement and any other requirement for the commercialisation of the smart transformer

For informal enquiries about the post, please contact Prof. J.B. Ekanayake (jbe@ee.pdn.ac.lk).