

“Consultancy for upgrading the Faculty Workshop and to introduce a new practical course module for students to get hands-on-experience in workshop machinery”

Closing Date: 29th, November 2013

Though students learn theory and practical course modules in Physics they gain very little experience in heavy duty machinery during their university education. This consultancy is to introduce a practical course module for interested students to learn and use heavy machinery as many small and large scale industries can be assisted through development of electronic gadgets or improvements of mechanical devices in their industries through the knowledge gained. Also, this knowledge will be benefitted to science graduates to compete in the current job market. The students will recognize direct applications of their theoretical knowledge they gain from other course modules offered in their degree program.

Department of Physics, University of Ruhuna is seeking an expert to serve as a consultant to introduce a new course module in handling and maintaining workshop machineries and to develop students' skills on understanding/handling of industrial problems relating to mechanical/electronic faults and to further improve their skills with latest technology available in the workshop under the HETC/Quality & Innovative Grant. Upgrading the faculty workshop condition is the other task of the consultancy. Candidates should have Civil/Mechanical Engineering degree or similar qualifications with at least 10 years experience in maintenance and handling of workshop machinery.

The consultant is expected to

- (a) A visit to the Workshop by the consultant and Propose new course module for maintenance and handling of workshop machinery - submission of a report
- (b) Discuss the proposal with the academic and technical staff of the Dept. of Physics on difficulties, problems and shortcomings - submission of a report
- (c) Finalize the course module to suit for the degree level and offer it to students under the supervision of the consultant (theoretical and practical) – submission of a syllabus
- (d) Conduct a workshop to introduce and discuss new course unit, assessment methods, Introduce/Handle new student projects related to the above new course unit to the relevant academic staff
- (e) Identify and propose improvements for the projects to suit industrial applications - submission of a report
- (f) A review report and a final revision of the course module and projects after implementation. Submit a summary report of the total consultancy work.

Applications are called from persons capable of providing above services. Total of Rs. 200,000.00 will be paid with the progress of the consultancy work (duration - six months). Those who are interested should send their self-prepared application with an updated CV on or before **29th, November 2013** to Director/OTS, Univ. of Ruhuna, Matara.

Email: ots@admin.ruh.ac.lk

For further details please contact Dr. J.A.P. Bodhika, Coordinator/Industrial & Research Development Center, Faculty of Science, University of Ruhuna, **Matara** (Email: jbodhika@phy.ruh.ac.lk (Tele: 0716033089)