



جامعة الأمير محمد بن فهد

PRINCE MOHAMMAD BIN FAHD UNIVERSITY

Multiple Openings for Mechanical Engineering Laboratory Instructors

Department of Mechanical Engineering

Prince Mohammad Bin Fahd University (PMU)
Al-Khobar, Kingdom of Saudi Arabia.

Positions Descriptions: The successful candidates will primarily maintain and run undergraduate laboratories in the areas of experimental fluid mechanics/heat transfer/energy systems/HAVC, experimental solid mechanics/material testing/vibrations/control systems, CAD/CAM/machine shop, instrumentation and measurements. They will be required to set up experiments and supervise students during lab sessions and handle all aspects of lab preparation as needed.

Responsibilities include:

- Teaching and assisting laboratory practical sessions
- Preparing equipment and experimental set ups for lab sessions
- Preparing laboratory manuals and standard laboratory procedures under faculty supervision
- Grading laboratory reports and assisting in laboratory related activities
- Procure/place purchase orders for electronic/electrical components required for experiments
- Ensuring quality control, routine equipment maintenance and safety procedures and inventory management
- Good communication and presentation skills in English
- Organizing and cataloging lab and sample materials
- Other support duties as required

Required Qualifications:

Candidates with MS/MTech/ME degrees from a recognized university in mechanical engineering or a closely related field with at least three years of experience preferably with laboratory development and teaching at university level or candidates with BS/BTech/BE degree with at least 5 years of experience. The successful candidate will have strong oral and written communication skills in English.

Desired Experience:

- Experience in conducting laboratory sessions for mechanical engineering courses at university level
- Experience in Design of Experiments
- Experience in using laboratory software applications such as Matlab, Simulink, LabView, MathCAD, AutoCAD, SolidWorks
- Experience in the use of LabView with National Instruments equipment
- Experience in interfacing laboratory equipment with computers
- Experience in the use of mechanical engineering laboratory equipment such as Instron, MTS, function generators, oscilloscopes, strain gauges, accelerometers
- Experience in system integration
- Hardware trouble shooting and equipment calibration experience

CONDITIONS:

PMU offers a competitive, tax free compensation package, commensurate with rank and experience, including 12 month salary, summer vacation, accommodations, annual round trip airfare to home country, medical insurance, assistance with school fees for children and end of contract bonus.

Application must include letter of interest, curriculum vitae, unofficial copies of all university transcripts, statement of teaching interest, as well as the names, addresses, phone numbers and email addresses of at least three professional references.

Review of applications will begin immediately and continue until the positions are filled. Only short listed candidates will be contacted.