

University of Engineering & Technology (UET), Peshawar
Department of Mechanical Engineering
MS Research Graduate Assistantship (GA)

Posting Date: December 17, 2025

Call for MS Research Graduate Assistantship (GA)

RESEARCH PROJECT TITLE

Service Life Assessment of MDPE-100 Gas Distribution Pipelines: Effects of UV (Sunlight), Moisture Exposure, and Material Composition on Fusion Joint Integrity

PROJECT OVERVIEW Applications are invited from MS (Mechanical Engineering) students who have completed their coursework and are ready to initiate research. The project evaluates the service life and degradation mechanisms of MDPE-100 based gas distribution pipelines under environmental exposure conditions, with particular emphasis on fusion joint performance.	RESEARCH OBJECTIVES <ul style="list-style-type: none">• UV/sunlight aging and moisture conditioning protocols• Mechanical and physical characterization of MDPE-100• Fusion joint integrity assessment and failure analysis• Data interpretation, reporting, and thesis preparation
ELIGIBILITY CRITERIA <ul style="list-style-type: none">• MS Mechanical Engineering• Coursework completed• CGPA ≥ 3.0• Strong interest in experimental research	GRADUATE ASSISTANTSHIP (GA) The selected candidate will work as a Research Graduate Assistant, actively participating in laboratory experimentation in order to achieve the aforesaid research objectives.

FINANCIAL SUPPORT

The selected candidate will be provided financial support of **PKR 50,000** for his/her Masters research. It will be in addition to the PKR 30,000 subject to the approval of the University for Masters students.

HOW TO APPLY

Interested candidates are required to submit their updated Curriculum Vitae (CV) via email to:

Prof. Dr. Hamid Ullah

Chair on Gas

Department of Mechanical Engineering

University of Engineering & Technology (UET), Peshawar

Email: chairmech@uetpeshawar.edu.pk

Deadline: 31st December 2025

SELECTION PROCESS

Only shortlisted candidates will be contacted and called for interview.

No TA/DA shall be admissible.

The Department reserves the right to cancel or modify this advertisement without assigning any reason.