



INSTITUTE OF GEOLOGY, UNIVERSITY OF AZAD JAMMU AND KASHMIR MUZAFFARABAD

SITUATION VACANT

Applications are invited from the qualified candidates for the following full-time positions against the funding in the National Centre of GIS and Space Applications (NCGSA) approved Project No. IST/NCGSA/RF-31-RS&GIS-15, entitled **“Integrated and Multidisciplinary Investigations and Early Warning of High-Risk Landslides Using Space, Air and Ground Based Remote Sensing”**.

Sr. No.	Position Vacant	No. of Positions/ Placement	Qualification	Job Description	Supervision	Duration	Stipend
1	MS Studentship	(01) Department of Electrical and Computer Engineering COMSATS University Islamabad, Lahore Campus (Communications and Networks Research Group)	Applicant should have completed B.Sc. Electrical / Electronics / Computer / Communication Engineering degree with a CGPA 3.0 or higher. Have good skills of embedded system development, Arduino, XBee, Raspberry Pi and related programming and development skills. One of the two candidates should have skills in C/C++, Java, HTML, CSS, JavaScript, Database development using MySQL or current technologies.	To design, develop and deploy a landslide monitoring system based upon wireless sensor node and internet of things (IoT). Wireless sensor nodes equipped with two sets of sensors will be developed; One with inexpensive sensors embedded in the ground will provide real time land monitoring by collecting geotechnical data whereas another with meteorological sensors will provide real time meteorological details of the landslide site. The entire sensor network will be connected via an Internet of things (IoT) network. The real time data will be transmitted to a central computer for processing and storage in a database. For landslide prediction based upon the real time data, we also plan to design and develop a slope failure and landslide prediction model.	Dr. Muhammad Farooq-i-Azam (Co-PI)	01 Year	20000/- per month
4	Technician	(01) Institute of Geology, University of	Applicant should have completed F.Sc. / Diploma of Associate Engineer (DAE) in Civil Engineering. Candidates having	We are seeking a highly motivated and skilled technician to join our team for a project that involves geophysical, geotechnical, and laboratory analysis.	1. Dr. Muhammad Basharat (PI).	06 months	25000/- per month

		<p>Azad Jammu and Kashmir, Muzaffarabad.</p> <p>(01)</p> <p>National Centre of Excellence in Geology (NCEG), University of Peshawar, Peshawar, KPK.</p>	<p>Construction Material Technician Course or experience in Construction Material Testing will be preferred.</p>	<p>The successful candidate will be responsible for supporting the project team in various activities related to data collection, analysis, and reporting. Conduct geophysical surveys using various techniques such as ground penetrating radar, seismic refraction, and resistivity imaging.</p> <p>To conduct field testing to monitor ground movement and other indicators of potential landslides. This may involve installing monitoring equipment such as inclinometers, piezometers, and strain gauges to measure changes in ground deformation, water pressure, and other parameters.</p> <p>The technician will conduct geophysical surveys, collect and analyze geotechnical data, operate laboratory equipment, prepare reports, and ensure safe and environmentally responsible data collection and analysis procedures.</p>	<p>Dr. Waqas Ahmed (Co-PI)</p>		
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Note:

1. Application along with updated CV, copies of degrees/transcripts, ID card and other relevant documents should reach in the office of the Principal Investigator (PI) within 15 days of the publication of this advertisement at the following address:
Dr. Muhammad Basharat, Associate Professor, Institute of Geology, King Abdullah Campus Chatter Kalas, Muzaffarabad, AJK.
2. Incomplete or late received applications will not be entertained and only short-listed candidate will be called for test/interview.
3. Applicants for the placement of NCEG Peshawar will be interviewed online by Skype or any other mode.
4. Appointment will be on contract basis for six months.
5. PI reserve the rights not to fill the post/ withhold the appointment without assigning any reason.
6. No TA/DA will be admissible for the test/interview.

Dr. Muhammad Basharat
Principal Investigator (PI)
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