



Vacancy Announcement

The Nano-Sensorics Lab (NSL) at BUITEMS, Quetta, is recruiting Pakistani nationals for contract-based positions. The lab focuses on the development and deployment of nanosensor-based systems for real-world applications, including food quality, bacterial detection, and analytical sensing. NSL is a member of the National Center of Nanosciences and Nanotechnology (NCNN), a consortium of 8 labs across 8 universities in Pakistan, headquartered at COMSATS University Islamabad. NCNN is a national initiative advancing nanoscience, nanosensor systems, and applied technologies, fostering innovation, research, and commercialization in emerging domains.

VACANCIES

Business Development Manager (BDM)

Main Responsibilities

- Serve as the primary external representative for all business, client, and partner interactions.
- Develop and execute sales and go-to-market strategies.
- Identify and pursue business opportunities and partnerships.
- Manage client lifecycle (lead generation to post-sale feedback).
- Conduct market research and maintain sales pipelines.
- Prepare funding proposals and commercialization plans.
- Manage contracts, documentation, and reporting.

Qualifications & Skills

- MBA (Sales/Marketing) with 2+ years of experience in tech product sales and marketing.
- Strong sales, partnerships, and negotiation skills.
- Experience in tech/product commercialization preferred.

Design Engineer – I (Hardware)

Main Responsibilities

- Design and develop electronic systems, PCBs, and embedded hardware.
- Integrate sensors, microcontrollers, and communication modules.
- Develop prototypes, test rigs, and instrumentation.
- Perform validation, debugging, and hardware optimization.
- Manage hardware lifecycle (design to production).
- Maintain documentation and support research-to-product conversion.

Qualifications & Skills

- BS Electrical/Electronics Engineering with 1+ years of experience.
- Experience in PCB design, embedded systems, 3D printing, and CNC.
- Strong knowledge of analog/digital circuits and sensor integration.

Design Engineer – II (Software)

Main Responsibilities

- Lead development of software systems (web, mobile, backend).
- Develop AI/ML models for sensor data processing.
- Build dashboards, APIs, and data pipelines.
- Ensure system reliability, performance, and security.
- Manage deployment and software lifecycle.

Qualifications & Skills

- BS Computer Science / Software Engineering with 1+ years of experience.
- Experience in full-stack development and RESTful APIs.
- Familiarity with AI/ML frameworks and data processing.

Software Developer

Main Responsibilities

- Contribute to research and development of AI/ML features and pipelines.
- Develop web and mobile applications.
- Implement backend services and APIs.
- Assist in AI/ML integration.
- Perform testing, debugging, and documentation.
- Maintain technical documentation and contribute to research publications.

Qualifications & Skills

- BS Computer Science or relevant field with 1+ years of experience.
- Experience in front-end/back-end development.
- Familiarity with AI/ML pipelines.
- Familiarity with databases and version control.

Research Associate (Hardware)

Main Responsibilities

- Lead research, conduct experiments, data collection, and validation.
- Integrate and calibrate sensors (optical, IR, etc.).
- Perform sensor characterization (accuracy, sensitivity, noise).
- Support prototyping, testing, and debugging.
- Maintain technical documentation and contribute to research publications.

Qualifications & Skills

- BS Electrical/Electronics Engineering with 1+ years of experience.
- Experience in circuit design, prototyping, and lab equipment.
- Strong experimental and documentation skills.

Research Assistant

Main Responsibilities

- Assist in hardware assembly, testing, and prototyping.
- Support software testing, data collection, and field deployment.
- Conduct field visits, collect data, and report findings.
- Assist in documentation, procurement, and research activities.

Qualifications & Skills

- BS Electrical/Electronics Engineering.
- Basic technical understanding, market understanding, and strong adaptability.

- Application must be submitted on prescribed "Employment Form" available at university website: www.buitms.edu.pk/jobs.
- Applications form, along with relevant documents may be submitted at **Directorate of HRM Block C BUITEMS Takatu Campus**.
- Reference of previous employers must be submitted with the application.
- Applications can also be submitted through email by sending scanned copy of employment form along with required documents and payment proof to anayat.ullah@buitms.edu.pk.
- Only short-listed candidates will be called for interview.
- The university reserves the right to reject any or all applications without assigning any reason.
- No TA/DA shall be admissible for Interview.
- Last date for submission of applications is **June 22, 2026**.

Registrar: Balochistan University of Information Technology,
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