



**BITS Pilani**  
Dubai Campus

**Career Opportunity**  
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**BITS Pilani, Dubai Campus**

<b>Position Title</b>	Research Scholar (PhD) – 1 position (AIRE+ Project)
<b>Appointment</b>	Contract
<b>Reporting to</b>	Principal Researcher – AIRE+ Project
<b>Department</b>	Computer Science, BITS Pilani, Dubai Campus
<b>Location</b>	Dubai, UAE
<b>About BITS-Pilani Dubai Campus</b> <a href="https://www.bits-pilani.ac.in/dubai/">(https://www.bits-pilani.ac.in/dubai/)</a>	<p>BITS Pilani, Dubai Campus (BPDC) is the international campus of Birla Institute of Technology and Science, Pilani, India and is located at the Dubai International Academic City. Set up in the year 2000, it is among the pioneer institutions in Dubai, offering high-quality engineering, technology and management education. It attracts a diverse student population from UAE, other GCC countries, Asia, Africa and the Far East.</p> <p>BPDC is approved by the University Grants Commission and Ministry of Education, Government of India and licensed and accredited by the Ministry of Higher Education and Scientific Research, Government of UAE.</p> <p>BITS Pilani has been granted the status of "Institute of Eminence" by Government of India.</p> <p>BITS Pilani, Dubai Campus has been awarded a 5-star rating by the Knowledge and Human Development Authority (KHDA) in partnership with QS in 2022, recognizing our excellence in teaching, research, employability, and internationalization.</p> <p>BPDC offers B.E &amp; M.E programs in engineering and allied disciplines along with BBA (Hons) &amp; M.B.A in management studies. BPDC also offers Ph.D. programmes in all disciplines, with nearly 2500 students from over 16 countries. The dynamic and vibrant campus has modern infrastructure and teaching/research facilities that enables BPDC to deliver a well-rounded education in an international environment by highly qualified faculty. Smart classrooms, cutting edge laboratory facilities with the latest equipment, a 24/7 Creative Laboratory, and high-definition video conferencing facilities that connects BPDC with the campuses in India are some of the value-added features of BPDC. The Practice School, an internship program embedded in the course structure organized in partnership with over 300 companies, facilitates industry attachment for students in preparation for their future careers.</p>



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<b>BPDC as a preferred workplace</b>	BPDC provides an inclusive and supporting environment where you can grow your professional and personal self. BPDC is the place for you if you have the passion to make a difference.
<b>Institutional Responsibilities and Accountabilities</b>	<ul style="list-style-type: none"><li>● Act at all times in accordance with the BITS Pilani Dubai Campus's approved code of conduct.</li><li>● Work in accordance with BPDC's policies and procedures including following safe work practices for self and others.</li><li>● Proactively work towards achieving individual and team goals, whilst demonstrating BPDC's values and behaviour.</li><li>● Actively engage in and embrace professional development opportunities.</li><li>● Undertake any reasonable tasks as directed.</li></ul>
<b>Job Purpose</b>	The Graduate Research Assistant (GRA) will support the AIRE+ project (AI-Based Breath Biomarker Analysis for Non-Invasive Risk Scoring of Diabetes and Lung Cancer), a funded research initiative at BITS Pilani Dubai Campus. The GRA will assist in sensor calibration, VOC data collection, AI/ML model development, and embedded prototype integration under the supervision of the Principal Investigator.
<b>Key Responsibility Areas</b>	<ul style="list-style-type: none"><li>● Support VOC chamber experiments and dataset development for ML pipelines.</li><li>● Contribute to training and evaluating AI/ML models for disease risk scoring.</li><li>● Assist in deploying models on embedded platforms (ESP32, RP2040, EdgeTPU).</li><li>● Maintain experimental records, metadata, and technical documentation.</li><li>● Support preparation of research publications and progress reports.</li></ul>
<b>Competencies Required</b>	<ul style="list-style-type: none"><li>● Proficiency in Python and ML frameworks (TensorFlow/PyTorch).</li><li>● Exposure to healthcare data, medical imaging, or clinical AI pipelines is an advantage.</li><li>● Basic knowledge of signal processing and feature extraction.</li><li>● Familiarity with embedded platforms and data acquisition systems.</li><li>● Strong documentation and scientific writing skills.</li><li>● Ability to work in multidisciplinary, collaborative research teams.</li></ul>



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<b>Educational qualification</b>	Master's in computer science, Artificial Intelligence, and Data Science
<b>Experience</b>	<ul style="list-style-type: none"><li>• Demonstrated research experience with at least one publication (journal or conference) in AI, machine learning, biomedical engineering, or a related area.</li><li>• Prior exposure to any of the following is desirable: AI/ML for healthcare or medical imaging, VOC/gas sensing, signal processing, embedded systems/IoT, or machine learning for sensor and biomedical datasets.</li></ul>
<b>Remuneration &amp; benefits</b>	Commensurate with qualifications and experience

Interested candidates meeting the above qualifications and experience must apply online at <https://www.bits-pilani.ac.in/careers/non-academic?campus=dubai> by **20/May/2026**. Shortlisted candidates will be required to submit relevant documents. No enquiries will be entertained. Multiple applications will be summarily rejected.