



BITS Pilani
Dubai Campus

Career Opportunity
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BITS Pilani, Dubai Campus

Position Title	Lab Instructor -Robotics and Automation
Appointment	Full-time
Reporting to	Department Head
Department	Mechanical Engineering
Location	Dubai, UAE
About BITS-Pilani Dubai Campus (https://www.bits-pilani.ac.in/dubai/)	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. BPDC is approved by the University Grants Commission and Ministry of Human Resource Development, Government of India and by the Knowledge and Human Development Authority (KHDA), Government of Dubai. BITS Pilani has been granted the status of "Institute of Eminence" by MHRD, Government of India. 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. BPDC offers B.E, BBA, M.E., M.B.A. and Ph.D. programmes in various engineering and allied disciplines, with nearly 1500 students from over 20 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 400 companies, facilitates



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	industry attachment for students in preparation for their future careers.
BPDC as a preferred workplace	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.
Institutional Responsibilities and Accountabilities	• Act at all times in accordance with the BITS Pilani Dubai Campus's approved code of conduct. • Work in accordance with BPDC's policies and procedures including following safe work practices for self and others. • Proactively work towards achieving individual and team goals, whilst demonstrating BPDC's values and behaviour. • Actively engage in and embrace professional development opportunities. • Undertake any reasonable tasks as directed.
Job Purpose	To instruct undergraduate laboratory courses related to Robotics and Automation. The LI will be working in coordination with the faculty member assigned to the course.
Key Responsibility Areas	• Effective Teaching: Prepare and deliver engaging lab sessions. Provide clear instructions and support to students. • Laboratory Operations Management: Ensure smooth day-to-day operations of all labs, including scheduling and resource allocation. • Curriculum Development: Collaborate with faculty to design and update lab manuals and experiment protocols. • Equipment Maintenance: Conduct regular inspections, maintain a preventative maintenance schedule, and manage procurement of lab equipment. • Safety Compliance: Implement and reinforce safety protocols, conduct safety training sessions, and monitor lab conditions. • Student Support and Engagement: Provide guidance during lab sessions, assist with project planning, and facilitate student workshops. • Inventory Management: Maintain accurate stock registers, control distribution of materials, and ensure adequate supply levels. • Collaboration with Faculty: Foster strong communication with faculty, participate in departmental meetings, and support faculty-led initiatives.
Competencies Required	• Well-versed in laboratory techniques related to Robotics and Automation • Programming skills in ROS, C++, Python and MATLAB and experience in Arduino/ Raspberry Pi programming



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	• PLC programming • Ability to learn and gain expertise in new experimental methods related to the above • Knowledge in record keeping of inventories such as consumables and equipment. • Knowledge in MS excel, word, power point etc. • Dynamic, approachable, reliable and able to work in a team • Excellent communication skills • Excellent organizational and time management skills • Commitment to continuous improvement and best practice principles
Educational qualification	• B.E/B.Tech in Mechanical/Mechatronics/ Electrical/ Computer Sc. or equivalent [Minimum requirement] • M.E./ M.Tech in Mechanical/ Robotics or equivalent [preferred]
Experience	1-2 years of laboratory teaching experience/ experience in projects
Remuneration & benefits	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 **8-December-25**. Shortlisted candidates will be required to submit relevant documents. No enquiries will be entertained. Multiple applications will be summarily rejected.