



Birla Institute of Technology & Science, Pilani

Pilani Campus

JOB DESCRIPTION

About BITS, Pilani	Birla Institute of Technology & Science, (BITS Pilani) is an Institution declared as Deemed to be University under Sec. 3 of the UGC Act in 1964 and is a renowned science and technology institute. It is located in Pilani, Rajasthan, India. In addition to Pilani, BITS Pilani has campuses in Dubai, Goa, and Hyderabad. Work Integrated Learning Programmes (WILP) was established in 1979 focuses on providing continuing education to working professionals across different sectors. WILP offers BSc, B. Tech, M. Tech, MSc, Diploma and Certificate programmes to working professionals.		
Industry/Service	Higher Education		
Post/Job Title	Senior Instructor / Instructor – Industrial IoT		
Job Type	The tenure will be for two years at a time, with further extensions subject to satisfactory performance – (Senior Instructor) Appointment for one year at a time, extendable up to four years, subject to satisfactory performance – (Instructor)		
Reporting to	The Center Head – Smart Manufacturing Competency Center (Bengaluru)		
Will also works very closely with	Faculty Members, Non-Academic Staff and WILP Students		
No. of positions & Job Location	One position in BITS Pilani (WILP) Off Campus- Smart Manufacturing Competency Centre (SMCC), Bengaluru , and prepared to travel as required.		
Principal Accountabilities & Responsibilities	Key Responsibilities:		
	1	Lab deployment Deploy labs to the WILP students as per the course requirement and assess the lab o time under the guidance of course faculty	
		2	Lab development 1. Lab development in emerging areas of industrial IoT - support the responsible fac Experiential Learning Lead (ELL) from initiation, through proposal, procurement, cor installation and development 2. Develop lab exercises under the guidance of course faculty 3. Support the creation of audio-visuals for marketing/training purposes
	3		Lab maintenance Work with the Experiential Learning Lead (ELL) and the respective lab faculty for ma equipment, and upkeep of software licenses
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Qualification and Personal Profile	- B.Tech. in Electronics, Electrical, Mechatronics, Instrumentation, Computer Science, IoT, or related disciplines (Instructor) - M.Tech. in Electronics, Electrical, Mechatronics, Instrumentation, Computer Science, IoT, or related disciplines (Senior Instructor)
Other Skill and Ability Requirements	Strong understanding of: - Sensor integration (temperature, pressure, proximity, vision sensors) - Microcontrollers (Arduino, ESP32, Raspberry Pi) Experience with: - Data acquisition systems - Edge computing platforms Communication protocols: - MQTT - HTTP - Modbus - OPC UA Ability to: - Develop end-to-end IoT systems (device → edge → cloud → dashboard)
Compensation	Rs 09 Lakhs per annum commensurate with experience (Instructor) Rs 11 Lakhs per annum commensurate with experience (Senior Instructor)