



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	Higer Education										
Post/Job Title	Senior Instructor / Instructor – Industrial Robotics										
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 work 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: <table border="1"> <thead> <tr> <th></th><th>AREAS OF RESPONSIBILITY (Key Activities)</th></tr> </thead> <tbody> <tr> <td rowspan="2">1</td><td>Lab deployment</td></tr> <tr> <td>Deploy labs to the WILP students as per the course requirement and assess the lab components on time under the guidance of course faculty</td></tr> <tr> <td rowspan="2">2</td><td>Lab development</td></tr> <tr> <td> 1. Support robotics lab setup, operation, and maintenance 2. Conduct hands-on robotics sessions and demonstrations 3. Assist in robot programming and integration activities 4. Support student projects and industry training programs 5. Develop industrial robotics demonstrations for workshops and bootcamps 6. Assist in integration of robotics with PLCs, sensors, and machine vision systems 7. Develop lab exercises under the guidance of course faculty 8. Support the creation of audio-visuals for marketing/training purposes </td></tr> <tr> <td>3</td><td>Lab maintenance</td></tr> </tbody> </table>		AREAS OF RESPONSIBILITY (Key Activities)	1	Lab deployment	Deploy labs to the WILP students as per the course requirement and assess the lab components on time under the guidance of course faculty	2	Lab development	1. Support robotics lab setup, operation, and maintenance 2. Conduct hands-on robotics sessions and demonstrations 3. Assist in robot programming and integration activities 4. Support student projects and industry training programs 5. Develop industrial robotics demonstrations for workshops and bootcamps 6. Assist in integration of robotics with PLCs, sensors, and machine vision systems 7. Develop lab exercises under the guidance of course faculty 8. Support the creation of audio-visuals for marketing/training purposes	3	Lab maintenance
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		Work with the Experiential Learning Lead (ELL) and the respective lab faculty for maintenance of lab equipment, and upkeep of software licenses
	4	Student support 1. Prompt resolution of student queries related to labs 2. Prompt support in dissertation and organization problem solving in WILP labs.
Qualification and Personal Profile		- B.Tech. in Mechanical, Mechatronics, Robotics, Automation, Electrical, or related disciplines (Instructor) - M.Tech. in Mechanical, Mechatronics, Robotics, Automation, Electrical, or related disciplines (Senior Instructor)
Other Skill and Ability Requirements		Hands-on experience with: 6-axis industrial robots (Epson preferred; ABB/Fanuc/KUKA acceptable) Skills in: - Robot programming using teach pendant - Basic offline programming and simulation Understanding of: - Pick-and-place systems - Sorting applications - Palletizing applications Familiarity with: - End-of-arm tooling - Grippers - Suction systems
Compensation		Rs 09 Lakhs per annum commensurate with experience (Instructor) Rs 11 Lakhs per annum commensurate with experience (Senior Instructor)