



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 – Additive Manufacturing	
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 Support additive manufacturing lab setup and operations Assist in design optimization and AM workflow development Develop demonstration models and practical case studies Support integration of AM with digital manufacturing workflows
	3	Lab maintenance Work with the Experiential Learning Lead (ELL) and the respective lab faculty for ma 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. Su and industry projects related to additive manufacturing



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Qualification and Personal Profile	• B.Tech. in Mechanical Engineering, Manufacturing Engineering, Mechatronics, Materials Engineering, or related disciplines (Instructor) • M.Tech. in Mechanical Engineering, Manufacturing Engineering, Mechatronics, Materials Engineering, or related disciplines (Senior Instructor)
Other Skill and Ability Requirements	Hands-on AM System Experience: • Operation and maintenance of additive manufacturing systems • Understanding of different AM technologies and workflows Design & Simulation Skills Proficiency in: • CAD tools • Finite Element Analysis (FEA) Familiarity with: • Design for Additive Manufacturing (DfAM) • Topology optimization • Lattice structure design
Compensation	Rs 09 Lakhs per annum commensurate with experience (Instructor) Rs 11 Lakhs per annum commensurate with experience (Senior Instructor)