

Company :
Company Name :
Nature Of Business :
Designation :

Centre for Development of Advanced Computing
Centre for Development of Advanced Computing
R&D in Electronics, Information Technology and allied areas
Knowledge Associate

Tentative Job Location : Any of the location at Noida, Mohali, Kolkata, Patna, Mumbai, Pune, Bengaluru, Hyderabad

Description :

Sr. No.	Project Code	No. Of Requirements	Preferred Qualification	Branch	Specialization (For Mtech/PhD)	Desired Skill sets
1	BLR1	2	M Tech / PhD	ELECTRICAL /ECE	Microelectronics / VLSI / COMPUTER SCIENCE WITH VLSI DESIGN RELATED PROJECT	Verilog / VHDL / OTHER HARDWARE DESCRIPTION LANGUAGES / High Level languages / PROCESSOR MICROARCHITECTURE / SECURED PROCESSOR MICROARCHITECTURES / CRYPTO INSTRUCTION SET EXTENSIONS AND CRYPTO FUNCTIONAL UNITS IN HARDWARE DESIGN; FORMAL VERIFICATION OF HARDWARE
2	BLR2	2	M Tech / PhD	ELECTRICAL / ECE	Microelectronics / VLSI / COMPUTER SCIENCE WITH VLSI DESIGN RELATED PROJECT or THESIS	ANALOG IC / CIRCUITS / SYSTEMS DESIGN; ANALOG IC LAYOUT; Digital IC design - RTL to GDS II; mixed signal IC design
3	BLR3	2	M Tech	Electrical/ ECE/CS	Communications/Power Systems Analysis	Modelling & Simulations
4	BLR4	2	M Tech	Electronics/ CS	Communications Protocols	DNS Security
5	BLR5	2	M Tech / PhD	CS/Info Sci/ AI/Multimedia/UX	AI/ML, Deep Learning, Visualization, HCI, Usability, Real-time processing	Transfer Learning, Pre-trained models, Immersive technologies, time-series and process data handling
6	HYD1	1	B.Tech/M.Tech	CSE/ECE/IT	-	Proficient in any one of the programming languages such as C, C++, Java, Python, Android. Basic understanding of OOPs concepts, Cyber Security & Network Security concepts. Good understanding of the core OS concepts
7	HYD2	2	B.Tech/M.Tech	Electronics/ CS	Microelectronics/ VLSI Design	<ul style="list-style-type: none"> • Expertise on System-Verilog/Verilog/VHDL and C languages • Experience in RTL development for IP/ASIC blocks • Experience in Physical Design & Verification • Experience in FPGA/Silicon Validation • Experience in Board Design • Knowledge of CPU architecture like ARM, RISC-V • Knowledge of Peripherals like DDR, HBM, PCIe, Cache Controller etc.
8	KOL1	3	B.Tech /M.Tech	CSE/ECE/IT		1. Basic Knowledge in Cybersecurity/cyberforensics with Programming Skill in Python ,JAVA,PHP,ASP.NET etc. 2. AI/ML/Image processing/Language technology Knowledge with Programming Skill in Python, JAVA, C/C++ etc.
9	MOH1	2	Ph.D	CSE,ECE	Cyber security	Malware analysis, Machine learning, Python programming, SCADA security, IoT security
10	MOH2	1	Ph.D	CSE	Mathematical modeling, Computational complexity , Algorithm aalysis and optimization	Python programming, Mathamatical modleing, Algorithm analysis & desginn
11	MOH3	2	Ph.D\M.tech	CSE,ECE	Cyber security,Machile learning, Data analyctics	Cyber security, machine learning, Python, Malware analysis
12	MUM1	4	B.Tech	Computer Science, Information Technology	Not Applicable	excellent software development/engineering space, Testing, Analytical skills, UI/UX
13	NO1	1	M. Tech. or Ph.D.	CSE, ECE or EE (with specialization in communication)	Signal Processing, Mobile Communication, Machine Learning	Proficient in Digital Communications and Networking Technologies, 5G testbeds, application and network layer QoS monitoring, MIMO communication and mmWave. Experience in ML & NLP algorithms (ASR solutions) development, Java/C/C++ coding and mobile application development is desirable.
14	NO2	2	B. Tech	Computer Science		Languages - Python, R, Java, JSP DB - NoSQL, Hadoop or other Big Data DB Functional - Big Data Analytics, ML, AI
15	PAT1	2	B.Tech / M.Tech.	CS/IT/ Electronics	Artificial Intelligence	Artificial Intelligence/ Programming Skill/ Data Analytics
16	PAT2	2	B.Tech / M.Tech.	CS/IT/ Electronics/ Instrumentation	IoT, Embedded System	Robotics / IoT/ Image Processing/ Drone/ Programming Skill/ Embedded System
17	PAT3	2	B.Tech / M.Tech.	CS/IT	Cyber Security	Cyber Security/ Cyber Forensic/IT Infrastructure / Data Analytics
18	PU1	2	B.Tech/ M.Tech /Ph.D	Bio-info/ Computational		Molecular Modeling Simulations, Machine Learning algorithms for biological data.

