**Company:** Company Name: **Nature Of** 

## **Centre for Development of Advanced Computing Centre for Development of Advanced Computing**

## R&D in Electronics, Information Technology and allied areas

## **Knowledge Associate**

Description

**Business:** Designation

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

Sr. No.	Project Code	ect No. Of Preferred Requirements Qualification		Branch	Specialization (For Mtech/PhD)	Desired Skill sets						
1	1 BLR1 2 M Tech / PhD		ELECTRICAL /ECE	VLSI DESIGN RELATED PROJECT	Verilog / VHDL / OTHER HARDWARE I 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		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, HCl, 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	-	Profocient 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	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		Basic Knowledge in Cybersecurity/cyberforensics with Programming Skill in Python JAVA,PHP,ASP.NET etc. 2. Al/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 , Algorithum aalysis and optimization	Python programming, Mathamatical modleing, Algorithum analysis & dessign						
11	монз	2	Ph.D\M.tech	CSE,ECE	Cyber security,Machile learning, Data analyctics	Cyber security, machine learning, Python, Malware analysis						
	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, Al						
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	loT, 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	Bio-info/		Molecular Modeling Simulations, Machine						

				Biology/ Scientific Computing/ Modeling & Simulation	Scripting language like Perl/Python, shell scripting and familiarity with Linux environment desirable.
19	PU2	3	B Tech / M Tech	Electronics and Allied fields	Hardwar Design Principles, Hardware Description language, System Design, PCB Design, Embedded Design
20	PU3	1	B Tech / M Tech	Electronics and Allied fields	Knowledge of VLSI, DHL Language, Hardware design principles
21	PU4	1	B Tech / M Tech	CSE/IT/E&TC/ECE	Strong knowledge of C, C++ and Linux kernel internals; knowledge of Linux system programming and Embedded programming is must; Knowledge of Device driver development on Linux/Window is essential
	Total	41			

	Program	ΑE	<b>BSBE</b>	CE	CHE	CSE	EE	ES	ME	MSE	PHY	CHM	MTH	ECO	DES	IME	CGS	HSS	<b>EEM</b>	MSP	NET	PSE	Stats
	BT	No	No	No	No	Yes	Yes -		No	No													
	BS						]	No			No	No	No	No									
	MT	Yes	Yes	Yes	Yes	Yes	Yes '	Yes	Yes	Yes						Yes			Yes	Yes	Yes	Yes	
	DoubleMajor	No	No	No	No	Yes	Yes -		No	No	No	No	No	No									
	dual	No	No	No	No	Yes	Yes	No															
Eligibilty:	dualB	No	No	No	No	Yes	Yes ·		No	No	No	No	No	No		No			No		No	No	
	dualC	No	No	No	No	Yes	Yes	No															
	Mdes														No								
	MBA															No							
	Phd	No	No	No	No	No	No 1	No	No	No	No	No											
	MSc										No	No	No										No
	MSR	Yes	Yes	Yes	Yes	Yes	Yes ·		Yes	Yes							Yes					Yes	

BTech - Rs. 7,80,6000 per annum

Cost to **Company:** 

MTech - Rs. 8,49,600 per annum

Ph.D - Rs. 9,18,600 per annum BTech - Rs. 7,80,6000 per annum

Package **Details:** 

MTech - Rs. 8,49,600 per annum

Ph.D - Rs. 9,18,600 per annum

Bond: **False CPI CutOff:** 0.0

Medical Requirments

Resume **False** Shortlist:

**Aptitude** False Test:

Group False Discussion:

**Technical False** 

Test: **Technical** 

False Interview:

HR False

Interview: **Additional** 

Information: