NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR
(An Autonomous Institute of National Importance Established by the Act of Parliament)

Department of Training & Placement
Tel/Fax: +91-194-2424809   Extn: 2130/31   Email: placements@nitsri.net

NOTICE
Dated: 28-09-2020

This is to hereby for information of students of B.Tech (as mentioned below), M. Tech (as mentioned below) & PhD of passing out batch 2021 that Centre for Development of Advanced Computing (C-DAC) is planning to conduct campus recruitment for hiring efficient graduates/post graduates from our institute.

Centre for Development of Advanced Computing is a Premier R&D organization of the Ministry of Electronics & Information Technology (MEITY) to carry out R&D in ICT, Electronics & Associated Domains. **www.cdac.in**

Details of the position offered are as follows:

Name of the Post	: Knowledge Associates
Classification	: Contractual on consolidated pay
Initial Contract Period	: 3 years (Renewable based on performance/need)
Starting Pay (Annual CTC)	: For B. Tech – 7.8 Lakhs approx.
	For M. Tech - 8.5 Lakhs approx.
	For PhD – 9.15 Lakhs approx.
Eligibility	: CGPA 6 or above (till now), No active supply or backlog. Branch (CS, IT, Electronics, Electrical), For specializations (M. Tech/PhD) refer next page

For project details and project code refer next page.

Google Form Link for registration: https://forms.gle/7JgtN6YWRfnAuupr6

Last date for Registration: **6 PM, 29-09-2020**.

Sd/-
Dr. Obbu Chandra sekhar
Head Training and Placement
NIT Srinagar

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	-	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		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 , Algorithum aalysis and optimization	Python programming, Mathamatical modleing, Algorithum analysis & dessign
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 Biology/ Scientific Computing/ Modeling & Simulation		Molecular Modeling Simulations, Machine Learning algorithms for biological data. 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**				