



**NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR**  
(An autonomous Institute of National Importance under the aegis of Ministry of Education, Govt. of India)  
**DEPARTMENT OF TRAINING & PLACEMENT**

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**NO: NIT/T&P/2022-23/**

**Dated: 13-10-2022**

**NOTICE**

It is for the information of final year students of B.Tech (2019-2023),M.Tech (2021-2023)and passed out PhD students of various departments that CDAC is hiring knowledge associates which is contractual post on consolidated pay for three years which can be further extended based on performance.

**Eligibility:**6 CGPA and above.

**Starting Pay (Annual CTC) :**

For B.Tech – 8.5 Lakhs approx.

For M.Tech – 9.18 Lakhs approx.

For Ph.D – 9.87 Lakhs approx.

**Instructions:**

Students need to go through the detailed of the qualification, branch, specialization and desire skill set via attached detailed advertisement.

Interested student can apply via google form as:

<https://forms.gle/1caQ9c7uAVTbX7HM8>

**Note:**

1. The students are required to apply by 17/10/2022(5:00PM).
2. Strict action will be taken against those who will fill wrong/false credentials, applied by ineligible candidate and applying against T&P policy.

**Dr. Sheikh Shahid Saleem,**  
Head Training and Placement,  
NIT Srinagar

**C-DAC Campus Recruitment from 2022 - 23 batch**

Sr. No.	Centre/ Location	Preferred Qualification	Branch	Specialization (For Mtech/PhD)	Desired Skill sets
1	Noida	B.Tech	CSE/IT		JAVA, SPRING/SPRINGBOOT, HIBERNATE, POSTGRES, JSP, SERVLET, HTML, CSS, JAVASCRIPT
2	Pune	M. Tech./M. S. or B. Tech. or Integrated M.Sc (Physics/Maths)	CS/Electrical Engg./Electronics & Communication Engg./ Metallurgy & Materials Science Engg./ Mechanical Engg./ Maths & Computing/ Computational Sciences/ Engg. Physics/ Physics/ Maths	CS/Electrical Engg./Electronics & Communication Engg./ Metallurgy & Materials Science Engg./ Mechanical Engg./ Maths & Computing/ Computational Sciences	Programming experience in C/C++/Python essential; Good background in Mathematics, Numerical methods, Algorithms essential; Experience with development of scientific applications (codes) highly essential; Exposure to parallel programming (MPI/OpenMP/ CUDA/ OpenCL) highly desirable; Good communication skills and aptitude to learn new concepts in HPC is very much essential
3	Pune	M. Tech./M. S. or B. Tech. or Integrated M.Sc (Physics/Maths)	CS/Electrical Engg./Electronics & Communication Engg./ Metallurgy & Materials Science Engg./ Mechanical Engg./ Maths & Computing/ Computational Sciences/ Engg. Physics/ Physics/ Maths	CS/Electrical Engg./Electronics & Communication Engg./ Metallurgy & Materials Science Engg./ Mechanical Engg./ Maths & Computing/ Computational Sciences	Programming experience in C/C++/Python essential; Good background in Mathematics, Numerical methods, Algorithms essential; Experience with development of codes highly essential; Exposure to parallel programming (MPI/OpenMP/ CUDA/ OpenCL) and/or Quantum Computing highly desirable; Good communication skills and aptitude to learn new concepts of Quantum Computing
4	Hyderabad	B.Tech/M.Tech	C.S.E , E.C.E and other relevant disciplines	-	Good understanding of basic cyber security concepts, Competent in C /C++ programming, Data Structures, OS concepts, OOPs concepts and Computer Networking fundamentals Knowledge on Cyber Security Fundamentals and Hands-on on scripting languages
5	Patna	M. Tech./PhD	Computer Science, Information Technology, Electronics & Communication and allied discipline.	Quantum Computing.	<ul style="list-style-type: none"> <li>• Demonstrable research experience in quantum computation/accelerator/ cryptography related field (Quantum Physics, Computer Science, Applied Mathematics, Cryptography) with publication history in reputed Journals and Conferences</li> <li>• Quantum Computing/Accelerator/ Cryptography including strong quantum algorithm domain knowledge</li> <li>• Project Management, Monitoring and Technical Team mentoring</li> <li>• Excellent technical documentation skills as per relevant IEEE/ other standards</li> </ul>

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6	Patna	M. Tech./PhD	Computer Science, Information Technology, Electronics & Communication, Electronics & Instrumentation and allied discipline.	Drone Technology.	<p>Ability to work well in a team environment.</p> <p>Javascript, HTML, CSS, AWS, Google Cloud, REST and API development practices</p> <p>Knowledge about web app deployment using cloud platforms.</p> <p>Experience with deep learning frameworks such as PyTorch, Tensorflow. Machine learning Techniques (supervised and unsupervised and reinforcement learning)</p> <p>Experience in autonomous flight development, Projects experience where Arduino, RPi or Jetson hardware is used in development.</p> <p>Deep understanding of DRONE control.</p>
7	Patna	M. Tech./PhD	Computer Science, Information Technology, Electronics & Communication and allied discipline.	Cryptography.	<ul style="list-style-type: none"> <li>• Demonstrable research experience in Cryptography with publication history in reputed Journals and Conferences</li> <li>• Experience in Cryptographic algorithm/schemes design and development</li> <li>• Excellent knowledge of programing in C/C++/Python/RUST</li> <li>• Demonstrated ability to gain insights that drive new technology use cases in Cyber Security</li> <li>• Excellent technical documentation skills as per relevant IEEE/other standards</li> </ul>
8	Pune	MTech	Computer Science / Information Technology	Cloud computing / Enterprise Architecture Security / Micro services	<p>(i) Sound Knowledge of Cloud computing / Enterprise Architecture Security / Microservices</p> <p>(ii) Project executed on Cloud computing / Enterprise Architecture Security / Microservices</p> <p>(iii) Knowledge of the latest e-Governance related technologies to create, manage and maintain consistent &amp; valuable content.</p> <p>(iv) Ability to handle diverse situations, multiple initiatives and rapidly changing priorities</p>

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9	Pune	B.Tech, M.Tech	First Class B.E. / B. Tech / M.E. / M. Tech in Computer Science / Engineering / Information Technology OR Electronics OR Electronics & Telecommunications	Computer Science / Engineering / Embedded System	<ul style="list-style-type: none"> <li>• Should be strong in C, C++ and Operating System concepts.</li> <li>• Knowledge of Linux Programming and Embedded Programming is desirable.</li> <li>• Knowledge of Device Driver Development on Linux / Windows will be added advantage.</li> </ul>
10	Bangalore	M.Tech/PhD	CSE	Computer Science & Engineering (Or) Artificial Intelligence (Or) Data Science	<ul style="list-style-type: none"> <li>• Programming with Python - Libraries packages</li> <li>• Machine Learning and Deep Learning algorithms</li> <li>• Feature engineering - Text, Images, Audio and Video</li> <li>• Natural language processing (NLP), Speech processing and Image &amp; Video processing</li> <li>• Applications building using ML/DL frameworks like TensorFlow, Keras, ScikitLearn and Pytorch</li> <li>• Testing, monitoring performance, deployment and upgradation of AI/BDA/ML/DL applications</li> <li>• Data visualization techniques and presentation</li> <li>• Knowledge of tools and techniques for managing the AI/ML/DL applications life cycle - Best practices, techniques and tools</li> </ul>
11	Bangalore	MTECH or PhD	Electronics Engineering / Electrical Engineering / ECE / Computer Science or Equivalent	<p>M.Tech in VLSI Design, Microelectronics, Electroncis System Design, VLSI and Embedded Systems, Integrated Circuits and Systems, Applied Electronics, Computer Engineering or Equivalent.</p> <p>PhD in the topics of VLSI Architecture / VLSI circuit design / VLSI System Design / Microelectronic Circuit Design</p>	<ul style="list-style-type: none"> <li>• RTL Design, Digital Design</li> <li>• Processor Microarchitecture Units Design</li> <li>• Arithmetic Circuits Design</li> <li>• Instructions Set Extensions</li> <li>• Domain Specific Hardware Accelerators Design including AI/ML</li> <li>• RISC-V ISA based Processor Design</li> <li>• Secured Processor Design</li> <li>• Cryptographic Hardware Design</li> <li>• Firmware / Tools for Trusted Computing or Platform</li> <li>• System On Chip Design (Processor, Bus Interconnects, Memory Controllers, Peripherals etc.)</li> <li>• FPGA based Digital Design</li> <li>• System On Chip ASIC Synthesis and Physical Design</li> <li>• IC physical design - Netlist to GDSII flow or Layout Design</li> <li>• Analog Circuits Design for power converters (LDO, DC-DC etc.), ADC, DAC, Bangap Reference, Clock Generators etc.</li> </ul>

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12	Bangalore	MTech/PhD	Computer Science Engineering,/Cyber Security Information Security/Embedded Systems/ Electronics and Communications	Cyber Security, Information Security, Cryptography, Computer Science , Embedded Systems, Electronics	C/C++ Programming and Development of Algorithms Knowledge of Cryptographic Algorithms and Their Implementation.Embedded software development. • Knowledge of Discrete Mathematics, Assembly Language and Python language
13	Bangalore	MTech	Computer Science/Engineering, Information Security,	Cyber Security, Information Security, Software Engineering	Programming Language : Java, C/C++ OS : Unix/Linux, Windows Client technologies : HTML5, CSS3, Bootstrap 3, Angular4 Server technology : J2EE, Spring Boot/Spring Hibernate, MVC Database : MongoDB Hardware Platforms : HPC Work station/ Server/Cluster • Unix shell scripting, MySQL. • Basic concepts of Network Programming • Eclipse/Net beans IDE/Visual Studio Code • Software Development Life Cycle • Testing • Open SSL
14	Bangalore	MTech	Electronics, Computer Science/Engineering,	VLSI , Embededd System, Professional Electronics, Power Electronics	C, C++, Linux Internals, Linux System Programming, embedded software development, Hardware design, Strong knowledge of HDLs like Verilog / System Verilog, Proficiency in developing SV/UVM based test environments, RTL debugging and analytical skills, scripting language such as Perl, Python, TCL., Experience in implementation/timing closure for high-speed design is beneficial, Working Knowledge of ASIC design flow.
15	Bangalore	Mtech/PhD	CS/E&C/Mathematics (PhD)	Computer Science/Cyber Security/ Information Security/Cryptology(PhD) /Electronic and Communications/Coding Theory (PhD)	• C/C++ Programming and Development of Algorithms Exposure to Parallel Programming(OpenMP/MPI)/GPU Programming (CUDA/OpenCL) (Desirable) • Knowledge of Cryptographic Algorithms and Their Implementation. • Knowledge of Probability Theory. • Knowledge of Discrete Mathematics

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16	Bangalore	B.Tech/M.Tech/PhD	Electronics and Communication Engineering or equivalent	VLSI and FPGA design	<ul style="list-style-type: none"> <li>Verilog HDL, Vivado/FPGA programming tool, C programming, Vitis/SDK/IDE tool, Good knowledge of Digital and Analog Electronics, Digital VLSI, Static Timing Analysis</li> </ul> <b>Desirable</b> <ol style="list-style-type: none"> <li>Knowledge of Digital Communication (e.g. Digital modulation schemes ASK, FSK, PSK)</li> <li>Digital signal processing</li> </ol>
17	Bangalore	B.Tech/M.Tech/PhD	Electronics and Communication Engineering or Computer Science Engineering or equivalent	Embedded Systems	<ul style="list-style-type: none"> <li>Embedded systems firmware development using C, C++ &amp; Assembly level programming and scripting etc.</li> <li>Driver Development for bare metal/RTOS/Linux.</li> <li>Knowledge on various RTOS concepts with RTOS Programming and Debugging.</li> <li>Knowledge on Inter Process Communication</li> <li>Enabling / Porting an RTOS for SoC / Processor</li> <li>RTOS Priority model and its configurations related topics</li> <li>Development of Peripheral drivers for Microcontroller</li> <li>Fundamentals of Linux kernel internals</li> <li>Makefile and Kernel build procedures</li> <li>N5Kernel APIs to process device tree nodes, peripherals, I/Os</li> <li>Linux GPIO Subsystem</li> </ul>
18	Bangalore	B.Tech/M.Tech/PhD	Electronics and Communication Engineering or Computer Science Engineering or equivalent	Web Technologies	<ul style="list-style-type: none"> <li>WebApp/UI/UX</li> <li>Java, Bootstrap, HTML5 and CSS</li> <li>Jquery, JBOSS, Spring Framework and Spring Batch</li> <li>React/Angular</li> <li>MySQL/PostgreSQL/Oracle Database</li> <li>RESTful APIs and API Gateway</li> <li>Java Template Engines (Thymeleaf or any other relevant tools)</li> <li>Wireframing and Rapid Prototyping tools</li> <li>Familiarity with agile practices</li> <li>DevOps tools</li> <li>Continuous integration and delivery</li> <li>Microservices and containerization tools</li> <li>Fundamentals in project management methodologies</li> <li>managing project teams and timelines</li> </ul>

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19	Bangalore	M.Tech/PhD	Computer Science and Engineering	System Software, Compiler	C, C++, Data structures and Algorithms, Linux OS, Computer architecture (X86/ARM), Open source compilers GCC and LLVM, OpenMP, Preferable to have experience working in the compiler domain
20	Bangalore	M.Tech/PhD	Computer Science and Engineering	System Software, HPC, Parallel Programming	Data Structures and Algorithms, C/C++, OpenMP, MPI, Computer architecture (X86/ARM), Linux
21	Bangalore	M.Tech/PhD	Computer Science and Engineering	System Software , HPC, Parallel Programming	Data Structures and Algorithms, C/C++, OpenMP, MPI, Computer architecture (X86/ARM), Linux, Debugging, Performance Analysis
22	Bangalore	B.Tech./M.Tech.	Computer Science or Information Technology or ECE	Cyber Security or Artificial Intelligence	Cyber Security Concepts, Python Programming, Machine Learning, Deep Learning
23	Bangalore	B.Tech./M.Tech.	Computer Science or Information Technology or ECE	Information Security & Cyber Security	Blockchain Concepts, Programming using Blockchain Frameworks, Java, Python, Web Programming, IoT, Embedded Systems, Security concepts
24	Bangalore	B.Tech./M.Tech.	Computer Science or Information Technology or ECE	Information Security & Cyber Security	Java Programming, Web Programming & Security Concepts,
25	Bangalore	Mtech./PhD	CSE/Computer Applications/ Electronics	Computer Networks/ Cyber Security/ Machine learning	Strong programming and debugging skills in C/embedded C/C++/Python.Good knowledge in Operating System, Linux Kernels, Computer networks and TCP/IP protocol stack
26	Bangalore	B.Tech/M.Tech	Computer Science	Network Security	C, C++, Linux, Shell Script, Computer Networking concepts, Firewalls, IDS
27	Bangalore	B.Tech/M.Tech/PHD	Computer Science	Data Science	Machine Learning, Deep Learning, AI, Data Analytics and modeling skills, Python, Python libraries - pandas/ BeautifulSoup, Visualization tools (D3), Big Data (Hadoop/ Spark)
28	Bangalore	B.Tech/M.Tech	Computer Science	Full Stack Development	Java, Java Script, Express JS, React, Node JS, MongoDB, RDBMS (PostgreSQL/ MySQL), Spring Framework, Hibernate, HTML5/CSS, JQuery,Angular JS, Microservice based architecture
29	Bangalore	M.Tech / Ph.D.	Electrical Engineering / Electronics Engineering	Photonics, Optics	Experimental Quantum Optics, Working with single photon experiments, Handling of lasers, Fiber communication.
30	Kolkata	Btech	CS	NA	Good programming skill in Java & C# & software design pattern

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31	CDAC(T)	B Tech/M Tech	Computer Science & Engineering	Information Security	<p>Advanced understanding of the kernel internals of Android and iOS Platforms.</p> <p>Expertise in vulnerability analysis and exploitation of Android OS .</p> <p>Experience with debuggers such as windbg, gdb, ollydbg</p> <p>Familiar with disassemblers such as IDA Pro, Jadx, Ghidra, Frida,</p> <p>Working knowledge of ARM64 architecture</p> <p>Strong development skills in writing Android and iOS applications</p>
32	CDAC(T)	PhD	Computer Science & Engineering	Information Security	<p>In depth understanding and experience in Android and iOS internals</p> <p>Experience in reverse engineering of Android or iOS applications.</p> <p>Experience with Reverse Engineering tools such as Jadx, Ghidra, Frida, IDA Pro, Burp, to perform binary and APK/SDK analysis</p> <p>Expertise in mobile device protocols and communication interfaces with a focus on security vulnerabilities.</p> <p>Proficiency in ARM64 architecture</p> <p>Expertise in developing proof-of-concept exploits for Android vulnerabilities</p>
33	Pune	B.Tech, M.Tech	First Class B.E. / B. Tech / M.E. / M. Tech in Computer Science / Engineering / Information Technology OR Electronics OR Electronics & Telecommunications	Computer Science / Engineering / Embedded System	<ul style="list-style-type: none"> <li>• Should be strong in C, C++ and Operating System concepts.</li> <li>• Knowledge of Linux Programming and Embedded Programming is desirable.</li> <li>• Knowledge of Device Driver Development on Linux / Windows will be added advantage.</li> </ul>
34	Pune	B.Tech/ M.Tech	Computer Science Engineering, Information Technology, Electronic and Communications	Computer Science, IT, Data Science and Modelling	<ul style="list-style-type: none"> <li>• Expertise in C/C++, Python, Java, J2EE, HTML 4/5, JavaScript is must</li> <li>• Knowledge or experience in Image Processing is must</li> <li>• Working Knowledge in AI, Machine learning, optimization and modelling will be preferred</li> <li>• Knowledge of informatics system and standards in healthcare e.g. (DICOM, HL7, SNOMED CT etc.) will be preferred</li> <li>• Good communication and interpersonal skills</li> </ul>



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35	C-DAC Mohali	M.Tech	IT/Computer Science Engineering or relevent Domain	IT/Computer Science Engineering or relevent Domain	<p>Expert level software development skills on ASP.net, dotnet Core, SQL Server, MYSQL, NOSQL, C#, VB.net, AJAX, JavaScript, HTML, jQuery, Angular. 3 Tier, N Tier and MVC experience.</p> <p>MCP (Microsoft Certified Professional) or MCTS (Microsoft Certified Technology Specialist) Certification on .net technologies will be an added advantage</p>
36	C-DAC Mohali	M.Tech	IT/Computer Science Engineering or relevent Domain	IT/Computer Science Engineering or relevent Domain	<p><b>Android Application Development - Kotlin</b></p> <p>a. Kotlin oops concept, usage of extension functions, interoperability, smart cast, co-routine, services, Null Safety, ANR safety, Data Classes, extension functions, companion objects, Scope functions , lateint, lazyinit</p> <p>b. Well versed with android architecture components and mvvm architecture</p> <p>c. Worked on SignalR\Websocket, Client UI handling on socket interaction, video conferencing integartion.</p> <p>d. Well versed with UI design to support multilingual and multiple device development</p> <p>e. Well versed with JWT token solution and refresh token solutions.</p> <p><b>ios Application Development - Swift</b></p> <p>a. oops concept, usage of extension functions, interoperability, services, Null Safety</p> <p>b. Well versed with ios architecture and its components using mvvm</p> <p>c. Worked on SignalR\Websocket, Client UI handling on socket interaction, video conferencing integration.</p> <p>d. Well versed with UI design to support multilingual and multiple device development</p> <p>e. Well versed with JWT token solution and refresh token solutions</p>

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37	C-DAC Mohali	B.Tech/M.Tech/MCA	IT/Computer Science Engineering or relevent Domain	IT/Computer Science Engineering or relevent Domain	Expert level software development skills on Angular framework, Core Java, Sprint Boot, Mongo Db, AJAX, TypeScript Microservices, 3 Tier, N Tier and MVC experience. Experience in Jira Experience in testing application hosted in Azure. MCP (Microsoft Certified Professional) or MCTS (Microsoft Certified Technology Specialist) Certification on .net technologies will be an added advantage Experience in working with medical devices like patient monitor, ventilator etc. Well versed in healthcare domain: Medical Software like: EMR, HIS, Critical Care Charting. Should have knowledge in TCP/IP, UDP, Networking, Serial Communication. Willing to travel, work in hospital environment to deploy, test, train hospital resources
38	CDAC Mohali	M.Tech	Electronics/Computer Engineering or relevant domain	Embedded Systems	Expertise in embedded electronic system design specifically using Rasberry Pi and Arduino development boards, AVR, PIC, ARM, sensor and actuator interfacing, analog and digital circuit design, path tracking and navigation using gps/machine vision Knowledge in programming for - Embedded C, Python, IoT messaging and cloud based applications, AI and Machine learning with robotics.
39	CDAC Mohali	M.Tech	Electronics/ Instrumentation/Electrical Engineering or relevant domain	Electronics/ Instrumentation/Electrical Engineering or relevant domain	Knowledge of siemens, ABB, Panasonic, Omron PLCs, SCADA, PLC programming, HMI, servo drives, SCARA Robots
40	CDAC Mohali	M.Tech	Electronics/ CSE	AI (ML/ DL)	Programming in python, knowledge of ML and DL, audio signal processing and analytics. Knowledge of online implementation / embedded AI will be an added advantage
41	CDAC Mohali	M.Tech	CSE	We development	full stack developpment