CSIR Fourth Paradigm Institute (CSIR- 4PI)
(Formerly CSIR- C-MMACS, Bengaluru)
NAL Belur **Campus, Wind Tunnel Road,**
Bengaluru - 560 037, Karnataka, INDIA.

LOOKING FOR BRIGHT YOUNG RESEARCHERS TO BE RECRUITED ON TEMPORARY BASIS

Council of Scientific and Industrial Research (CSIR) is an autonomous body under Ministry of Science and Technology, Government of India. It is one of the largest and most diversified scientific organizations having a network of nearly 40 state-of-the-art Laboratories with well experienced scientific staff and a large number of research scholars.

CSIR Fourth Paradigm Institute (CSIR-4PI) is a unique, multi-location Institute dedicated to BIG DATA science. Our vision is pursuit of "High End Computational Science Empowering Data Intensive Scientific Discovery" in trans-disciplinary areas through large scale scientific computing. Our facilities include world-class supercomputing environment; attractive academic programs; strong network of CSIR Labs with domain expertise.

CSIR-4PI, for its various on-going Projects in Bangalore - will be engaging well qualified temporary Project staff as under–

I. **Project Associate (Level - I):**
   Remuneration: Rs.25,000/- per month + House Rent Allowance (HRA)
   Age Limit   :   35 years, relaxable for SC/ST/OBC & Women Candidates as per GoI / CSIR orders.

   POST CODE: PA/MSMP/01: (01 Post)

   Essential Qualification: First Class (60%) in **M.Sc./M.Sc-Tech in** Physics/Applied Physics/Space Physics/Geophysics/Marine Geophysics /Applied Geophysics/Earth Sciences from a recognised Institute/University.

   Desirable requirements: Knowledge of space geodesy (GPS/GRACE); GPS Data Processing.

   Job Requirements: Programming in MATLAB/Python/C/C++/FORTRAN

II.   Project Associate (Level - I):
Remuneration: Rs.25,000/- per month + House Rent Allowance (HRA)
Age Limit   :   35 years, relaxable for SC/ST/OBC & Women Candidates as per GoI / CSIR orders.

POST CODE: PA/HPC/01: (01 Post)

Essential Qualification: First Class (60%) in **B.E/B.Tech** in Computer Science/Information Science or **MCA** from a recognised Institute/University.

Desirable requirements: Certification in Linux and CCNP/CCNA. Knowledge of MySQL and other database.

Job Requirements: Understanding of TCP/IP and other Transport layer protocols like MPTCP, SCTP & QUIC. Linux Kernel Modification and Re-compilation. Programming with C, Python and Network Sockets. Network Traffic Analysis at packet level. Familiarity in use of tools like netstat, traceroute, tcpdump, wireshark, scapy, dpkt, web development tools, etc. Cyber Security testbed configuration and Experimentation. Network Simulation and Emulation.

III.   Project Associate (Level - II):
Remuneration: Rs.28,000/- per month + House Rent Allowance (HRA)
Age Limit   :   35 years, relaxable for SC/ST/OBC & Women Candidates as per GoI / CSIR orders.

POST CODE: PA/HPC/02: (01 Post)

Essential Qualification: First Class (60%) in **B.E/B.Tech** in Computer Science/Information Science or **MCA** from a recognised Institute/University with minimum of 02 years relevant post qualification experience or **M.E/M.Tech** in Computer Science or Digital Electronics from a recognised Institute/University.

Desirable requirements: Certification in Linux and CCNP/CCNA. Knowledge of MySQL and other database.

Job Requirements: Understanding of TCP/IP and other Transport layer protocols like MPTCP, SCTP & QUIC. Linux Kernel Modification and Re-compilation. Programming with C, Python and Network Sockets. Network Traffic Analysis at packet level. Familiarity in use of tools like netstat, traceroute, tcpdump, wireshark, scapy, dpkt, web development tools, etc. Cyber Security testbed configuration and Experimentation. Network Simulation and Emulation.

IV.   Senior Project Associate :
Remuneration: Rs.42,000/- per month + House Rent Allowance (HRA)
Age Limit   :   40 years, relaxable for SC/ST/OBC & Women Candidates as per GoI / CSIR orders.

POST CODE: SPA/HPC/01: (01 Post)
Essential Qualification: First Class (60%) in B.E/B.Tech in Computer Science or Digital Electronics or equivalent from a recognised Institute/University with

minimum of 04 years of experience in computer networking, cyber security and protocol engineering.

Desirable requirements: Certification in Linux and CCNP/CCNA. Knowledge of MySQL and other database.

Job Requirements: Understanding of TCP/IP and other Transport layer protocols like MPTCP, SCTP & QUIC. Linux Kernel Modification and Re-compilation. Programming with C, Python and Network Sockets. Network Traffic Analysis at packet level. Familiarity in use of tools like netstat, traceroute, tcpdump, wireshark, scapy, dpkt, web development tools, etc. Cyber Security testbed configuration and Experimentation. Network Simulation and Emulation.

V.   Senior Project Associate :

Remuneration: Rs.42,000/- per month + House Rent Allowance (HRA)

Age Limit   : 40 years, relaxable for SC/ST/OBC & Women Candidates as per GoI / CSIR orders.

POST CODE: SPA/HPC/02: (02 Posts)
Essential Qualification: First Class (60%) in B.E/B.Tech in Computer Science or equivalent from a recognised Institute/University with minimum of 04 years of experience in Linux Administration of large scale cluster.

Desirable requirements: Knowledge of GPU programming, installation and running of computational models and configuration of Dockers based GPU computing.

Job Requirements: System administration & support to computational researchers on a GPU based large cluster and other activities related to HPC as assigned from time to time.

IMPORTANT INSTRUCIONS –

1) The selection will be based on screening of the applications followed by personal interview by Online mode.

2) Candidates will be shortlisted based on their applications by a screening committee. If large number of applications are received, then the committee may adopt additional criteria to shortlist the candidates.

3) Short listed candidates will be called for an Online Personal Interview. The details of the interview will be intimated by email only.

4) Candidates must email their duly completed applications in pdf format to recruit@csir4pi.in latest by 23rd Jun 2021 along with following -

   a) A duly filled application form (Application forms can be downloaded from the website www.csir4pi.in)

   b) One passport size photo affixed on the application

   c) Photo ID proof (Govt issued photo id card)

    d) All certificates in support of your date of birth (SSLC/Class-10 Certificate), qualifications (Convocation/PDC and all semester marks sheet), experience etc.

    e) SC/ST/OBC/EWS certificate in GoI format.

5) Candidates applying for more than one position should submit separate application for each position

6) **Students awaiting Final year results will NOT be considered**.

7) The institute reserves the right to increase or decrease the number of posts to be recruited.

8) The institute reserves the right to reject any or all the applications without assigning any reasons.

9) Mere fulfilment of minimum qualification and experience for the post does not entitle the candidate to be called for interview.

10) Canvassing in any form shall be grounds for disqualification.

GENERAL INSTRUCTIONS:

(1) Only Indian Nationals are eligible to apply for the above positions.

(2) The above positions are purely Temporary and on Contract basis for the duration of the Projects only. The contract may be terminated at any time by giving one month's notice by either side. The applicants will have no claim implicit or explicit for consideration against any CSIR post.

(3) The engagement of Project staff will be initially for a period of one year or co-terminus with the project, whichever is earlier. The duration may be extended or curtailed depending on the performance of the candidate.

(4) Age limit will be reckoned as on **23rd Jun 2021**. Age limit is relaxable for SC/ST/OBC and Women candidates as per Government of India / CSIR orders.

(5) As regards reservation, if all things are equal, SC/ST/OBC/EWS candidates may be given preference over General candidates so as to ensure their representation.

(6) Currently employed candidates will have to furnish NOC from their employer.

(7) Engagement of Project staff shall be as per CSIR Guidelines/Guidelines of the funding agency.

INTERIM ENQUIRIES WILL NOT BE ATTENDED TO.

Sd/-
Sr. Controller of Administration
CSIR-4PI