



जवाहरलाल नेहरु उन्नत वैज्ञानिक अनुसंधान केन्द्र
(मान्यता प्राप्त विश्वविद्यालय)
JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH
(A Deemed University)
जक्कूर, बेंगलूर - 560 064, भारत / Jakkur P.O., Bangalore - 560 064. INDIA

Thematic Unit of Excellence on Computational Materials Science (TUE-CMS)
<http://www.jncasr.ac.in/ccms>

Advt No. 1

3 December 2012

**Appointment of
Research Scientist-D (Program Support), Research Scientist-B
(Technical Support Staff) and Research Associates (Academic) in the
Thematic Unit of Excellence on Computational Materials Science at JNCASR**

TUE-CMS is a project funded wholly by the Department of Science and Technology through its Nano Mission Council. We seek applications for the following temporary positions.

(1) Research Scientist-D (Program Support)

The Centre is looking for persons with outstanding academic records with expertise in (i) Numerical quantum techniques and/or (ii) Large scale realistic simulations of classical systems. Alternately, the candidate should have proven experience as a developer of numerically intensive, large codes.

Candidates are expected to contribute to the development of large numerical codes to carry out either quantum calculations or classical simulations, devoted to materials research.

Eligibility: Ph.D. degree with relevant post-doctoral experience of at least 1 year. The post-doctoral experience will be relaxed for exceptional candidates.

OR

M.Sc./B.Tech. with 7 years' relevant experience.

Remuneration: Pay Scale: Rs 15,600–39,100, GP Rs 7600. The gross emoluments including HRA will be approximately Rs 65,000.

(2) Research Scientist-B (Technical Support Staff)

The Centre is looking for technical support staff to administer the supercomputing facility of the Thematic Unit of Excellence on Computational Materials Science (TUE-CMS) and to interface with service providers when necessary.

Responsibilities include the management and maintenance of sophisticated high performance computing (HPC) platforms (computer clusters), developing scripts for task automation, maintenance of Linux based PCs which are used in an Instructional computing laboratory and of a 3d-visualization wall, and maintenance of TUE-CMS web pages. The work will include coordination and maintenance of other technical infrastructure (such as air conditioners and UPS) belonging to TUE-CMS. The selected candidates will also assist scientific users in the optimal use of computing resources, through installation and optimized compilation of scientific softwares, educating the users on the usage of shared resources effectively with job manager.

Experience in this position will be unique in terms of exposure to system management of a large scale HPC facility.

Eligibility: The candidate should have B.Tech./M.Tech./M.E./MCA or Ph.D. They must be strong in system administration of Linux computers in a multi-user environment. Candidates with B.Tech./M.Sc./MCA must have at least two years' experience of working on Linux administration. Relaxation in qualification will be considered for exceptionally good candidates. Familiarity with numerically intensive scientifically oriented computing platforms can be an advantage.

Remuneration: Pay scale: Rs 15,600–39,100, GP Rs 5400. The gross emoluments will be approximately Rs 45,000.

(Contd)

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(3) Research Associate (Academic)

We invite applications for post-doctoral positions that involve research in computational materials science including studies of liquids, quantum chemistry, soft matter, solid state, molecular systems and nanomaterials. Research Associates are likely to work with one of the faculty members of TUE-CMS. We encourage candidates intending to work on challenging computational problems to apply, as they will have access to multi-teraflop parallel computers.

Eligibility: These positions are open to candidates holding a Ph.D. degree in Computational Physics, Chemistry, Biology or any related field, with a strong continuous academic record. Candidates should have experience in working on Linux platforms.

Remuneration: Rs 24,000 p.m. + HRA @ 30% (if accommodation not provided by the Institution).

How to Apply?

Applications by e-mail with CV along with a complete list of research publications (or documents pertaining to experience), and name and address of at least two referees should be sent to: ccms@jncasr.ac.in **within 21 days** of publication of this advertisement.

The position applied should be clearly mentioned in the subject line of the e-mail. Candidates short-listed for the interview should be able to appear with their original certificates for verification.

Any clarifications can be obtained by sending a mail to ccms@jncasr.ac.in.



Recruitment for the Post of Assistant Professor (Senior) in CBST, VIT University

Candidate with following expertise in the area of Molecular Biology and Bioprocess Technology is required. Knowledge in Protein Expression Techniques, Parameter Optimization and Characterization, Bioprocess dealing with both Prokaryotic and Eukaryotic Cells, value added products will be preferred.

Applications are invited from candidates who have obtained Ph.D. degree with 2–3 years of experience in abroad. Applicants should submit a CV, specifying the profile, experience, publications along with three recommendation letters and copies of certificates. Preference will be given to candidates who have experience in public R&D laboratory administration.

Application should be sent by post to the below address and by e-mail to director.cbst@vit.ac.in **within 2 weeks** from the date of advertisement.

Prof. M. A. Vijayalakshmi, Director

Centre for Bio-Separation Technology, Room No. 607, Technology Tower
VIT University, Vellore 632 014, Tamil Nadu, India

www.vit.ac.in/CBST

Registrar

Director, CBST
(Project In-Charge)