

(An Autonomous Institute of the Department of Biotechnology, Govt. of India)
NCR Biotech Science Cluster, 3rd Milestone, Faridabad – Gurugram Expressway, P.O. Box No. 04, Faridabad - 121001

RECRUITMENT NOTICE NO. : THS/RN/13/2019

- a) Translational Health Science and Technology Institute (THSTI) is an autonomous Institute of the Department of Biotechnology, Ministry of Science and Technology, Govt. of India. The institute is an integral part of the interdisciplinary NCR Biotech Science Cluster located at Faridabad, and is designed as a dynamic, interactive organization with the mission to conduct innovative translational research and to develop research collaborations across disciplines and professions to translate concepts into tangible products to improve human health.
- b) THSTI is inviting application for the position of **Data Scientist-Computer Vision** for the project titled “Computer-Assisted Low-cost Point-of-care Ultrasound (CALOPUS)”. The project will challenge state-of-the-art thinking in machine learning applied to medical imaging and provides a rare opportunity for an imaging scientist to get hands-on experience in an international effort to improve pregnancy care in India.
- c) The eligibility criteria for the above post is as mentioned below:

S. No.	Name of the Position / No. of Positions / Maximum monthly consolidated emoluments/ Age Limit	Minimum Qualification and experience	Job Description
1.	DATA SCIENTIST-COMPUTER VISION One position Upto Rs 75,000/- 35 years	M.E./M.Tech./M.Sc. degree in Biomedical Engineering/ Computer Science/ Engineering/ Medical Electronics/ Electronics & Communication/IT OR Doctorate OR near completion of Doctorate in Electrical Engineering/ Computer Science or an Engineering degree where computational analysis methods development was a major component of the degree	<ul style="list-style-type: none"> ➤ Image analysis software technical research. Training will provided by Universtiy of Oxford on image analysis methods development. ➤ Development of Artificial Intelligence Models for Image and Video Analysis ➤ Integration of image analysis software into a prototype demonstrator system. ➤ Contribute to annotation of data (needed for machine learning training). ➤ Contribute to clinical protocol

	<p>Experience:</p> <ul style="list-style-type: none"> ➤ Experience of image processing or image analysis (MSc) or original computer vision/image processing research (PhD); ➤ Experience in implementation of research software that has been used in a demonstrator/pilot study. ➤ Experience of building software-based systems/devices. ➤ Able to program in C++, and/or python <p>Desirable:</p> <ul style="list-style-type: none"> ➤ Experience of machine learning and knowledge of deep learning. ➤ Interest in healthcare technology research. ➤ Experience of actively collaborating in the development of research articles for publication; . ➤ Experience in co-design of software solutions with end-users. ➤ Knowledge of Tensorflow. ➤ Experience in working on inter-disciplinary research. <p>Desirable Skills:</p> <p>Excellent oral and communication skills (including the proven ability</p>	<p>design and evaluation study design.</p> <ul style="list-style-type: none"> ➤ Contribute to clinical evaluation studies. ➤ Co-writing up of image analysis research for conference and journal publications; ➤ Performing occasional demonstrations to external visitors; ➤ Attend and present work at CALOPUS project meetings. <p>Additional duties:</p> <ul style="list-style-type: none"> ➤ Collaborate in the preparation of scientific reports, journal articles, web pages and occasionally present papers and posters; ➤ Represent the research group at external meetings/seminars, either with other members of the group or alone; ➤ This post requires overseas travel to the UK for 3-6 months for training in machine learning applied to ultrasound images, and other visits to the UK from time to time. The post holder must be able to obtain appropriate visas to undertake these work trips (visa cost etc will be reimbursed as part of project costs).
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		to write in English at a suitable standard for the preparation of written reports and to contribute to discussions with collaborators and scientists in different fields).	
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GENERAL TERMS & CONDITIONS:

1. Appointment will be made on contract for a period of one year with initial probation period of six months that may be extended at the discretion of the competent authority.
2. All educational, professional and technical qualification should be from a recognized Board/University.
3. The experience requirement specified shall be experience acquired after obtaining the minimum educational qualifications required for the post.
4. Persons working in Govt. / PSUs / autonomous bodies should apply through proper channel or produce a relevant 'No Objection Certificate' at the time of Interview/ skill test.
5. The age limit, qualification, experience and other requirements may be relaxed at the discretion of the competent authority, in case of candidates who are otherwise suitable.
6. Age and other relaxations for direct recruits and departmental candidates: 1. By 5 years for candidates belonging to SC/ST communities. 2. By 3 years for candidates belonging to OBC communities. 3. For Persons with Disabilities (PwD) falling under the following categories :
 (i) UR - 10 years , ii) OBC - 13 years (iii) SC/ST - 15 years 4. For Ex-servicemen upto the extent of service rendered in defence forces (Army, Navy & Air force) plus 3 years provided they have put in a minimum of 6 months attested service. 5. Relaxation of 5 years will also be permissible to those who had ordinarily been domiciled in the Kashmir division of the State of Jammu and Kashmir during the period from 01/01/1980 to 31 /12/1989 subject to production of relevant certificate from concerned authority. 6. Age is relaxable for Government servants up to 5 years in accordance with the instructions or orders issued by the Central Government, from time to time 7. There is no upper age limit for the Institute employees who are treated as departmental candidates.
7. Number of positions may vary depending upon the requirement at the time of interview/skill test

8. Outstation SC/ST/ PwD candidates called for the interview/skill test will be paid to & fro second class railway fare, as per Govt. of India rules on production of the proof of the same.
9. All results will be published on our website and all communications will be only through email.
10. Canvassing in any form will be a disqualification.
11. Interested candidates are requested to submit the online application on or before the last date.

The procedure for online application:

- a. Before filling online application, do keep the following documents handy:
 - i. A soft copy of your passport size photo.
 - ii. A comprehensive CV (PDF format only) containing details of qualification, positions held, professional experience/distinctions etc.
- b. Candidates are requested to use Google Chrome internet browser for best results in submission of online application.
- c. Once online application is submitted, no correction/modification is possible.
- d. In case of difficulty in filling up the online form, please contact personnel@thsti.res.in
- e. On successful submission of your application, an auto-generated email containing a reference number will be sent to the email address provided. Please keep a note of the reference number for future correspondence.
- f. **Last date for submission of online application** : **05.05.2019**