



Recruitment Advt. No: DST/R&D/CSE/RJP/Project Recruitment/3.00/2020-21

18 October 2021

Advertisement for the Post of Junior Research Fellow (JRF) AND Senior Research Fellow (SRF) (On Contract) under the Cyber Security Research of Interdisciplinary Cyber Physical System (ICPS) Project

Applications are invited for the post of Senior Research Fellow (SRF) and Junior Research Fellow (JRF) (on contract) under the Cyber Security (CS) Research of Interdisciplinary Cyber Physical Systems (ICPS) programme project entitled “**Complete Packet Analysis Based Cyber-Attack Detection System for Industrial Internet of Things**” in reference to the sanction letter DST/ICPS/Cluster/CS Research/2018 dated: 13.03.2019 by Department of Science & Technology, Ministry of Science and Technology, New Delhi-110016. The duly completed application on prescribed format along with copies of supporting documents (online Scanned copy) must reach to **Dr. G.Kousalya, Department of Computer Science and Engineering, Coimbatore Institute of Technology, Avinashi Road, Coimbatore -641014 ,on or before 25/10/2021.** A soft copy of the application should also be sent to kousalya.g@cit.edu.in (Principal Investigator of the project) with the same subject. To cater the Institute’s temporary requirement under a project in the Department of Computer Science and Engineering intends to hold an **Online Selection Process (Online Test and Interview)** for the following temporary position:

S. No.	Particulars	Details	
1.	Name of the Position	Junior Research Fellow (JRF)	Senior Research Fellow(SRF)
2.	Number of Position	01	01
3	Essential Qualification JRF*	Graduate/Post Graduate degree in Electronics and Communication Engineering, Computer Science and Engineering, Electrical Engineering, Electrical and Electronics Engineering, Instrumentation Engineering, (or related stream) selected through a process described through any one of the following: a) Scholars who are selected through National Eligibility Test –CSIR-UGC NET including lectureship (Assistant Professorship) and GATE b) The Selection process through a national level examination conducted by Central Govt. Departments and their agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc.	
	SRF**	As per the norms of JRF with two years of research experience.	

4.	Desirable qualification	Excellent programming and analytical skills, a strong background in probability theory and mathematical modelling.
5.	Consolidated Emoluments	JRF - Rs. 31,000 per month + 10% House Rent Allowance SRF- Rs. 35,000 per month +10% House Rent Allowance
6.	Duration of the project	Max. 24 months
7.	Tenure of appointment	The appointment for the above contractual position will be initially for 12 months, which can be further extended subject to satisfactory performance, availability of funds in the project and requirement in the project.
8.	Age Limit	Not exceeding 30 years as on the date of selection process.

Job Description:

S. No.	Project Code and Title	Job Description
1.	<p>“Complete Packet Analysis Based Cyber-Attack Detection System for Industrial Internet of Things” Reference to the sanction letter DST/ICPS/Cluster/CS Research/2018 dated: 13.03.2019</p>	<ol style="list-style-type: none"> 1. Designing and development of machine learning algorithms 2. Design the basic experimental setup 3. Administrative work related to the project
	<p>JRF* After completion of two years, an external assessment by the institution where the student is enrolled for PhD is mandatory for upgrading from JRF to SRF. The fellow may be awarded SRF after successful assessment.</p> <p>SRF** Annual Satisfactory Assessment is mandatory to continue the benefit of fellowship during SRF period.</p>	

Details of Selection Process:

S. No.	Particulars	Details
1.	Date	Last date to submit application form: 25th October 2021 Date of selection process: Test and Interview on 28th October 2021 (Online mode) (If there is any change in the schedule, it will be put-up on ICPS Project, Department of CSE, CIT, Coimbatore www.cit.edu.in)
2.	Selection process	Link to application form attached in this link. Applications will be screened initially, based on the screening, only the shortlisted applicants will be called for interview via online/telephone mode. Mere fulfilment of minimum eligibility will not bestow the right for shortlisting, CIT reserves the right to screen and shortlist candidates by introducing higher benchmarks. Emails will be sent to all shortlisted candidates.
3	Interview Syllabus	a. C Programming and Python Programming b. Cyber Physical Systems fundamentals, Cyber-attacks, Physical Attacks and Cyber Physical System attacks. Tools Snort, Suricata c. Machine Learning Algorithms – Supervised and Unsupervised
4	Schedule	Time slots will be communicated through email.
5.	Documents Required	Applicant should have online version of all original certificates including mark sheets (matriculation onwards), experience certificate(s), monthly emoluments/salary drawn, other relevant documents (including one set of self-attested certificate(s)/document(s) and updated Curriculum Vitae.

General Instructions to the applicants:

1	Selected candidates shall not have claim on any regular position and shall not be bestowed any of the privileges like Housing, Medical Facility and Other benefits available to the regular employees of the Institute.
2	Applicants are advised to ensure, before appearing for the Selection Process, that they possess the minimum essential qualification and experience laid down for the post. Qualification obtained has to be from recognized University/Institute. Eligibility in terms of age, qualification and experience of a candidate shall be considered as on the date of Selection Process.
3	The number of vacancies indicated in the notification is tentative. CIT Coimbatore reserves the right to increase or decrease the number of advertised posts at the time of selection. Further, CIT Coimbatore reserves the right to NOT fill any of the posts advertised.
4	No TA/DA will be paid for attending the Selection Process as it is an online process.
5	In case of any inadvertent mistake in the process of selection, which may be detected at any stage even after issue of the appointment letter, the Institute reserves the right to <i>modify, withdraw</i> or <i>cancel</i> any communication made to the Applicants.
6	After joining the service of the Institute, the person(s) will have to abide by the Rules, Regulations, Ordinances, Statutes and Act of the Institute applicable from time to time. He/She may be assigned any duty within or outside the Institute depending upon the exigency of the work.

7	The Institute shall verify the antecedents or documents submitted by a person at the time of appointment or during the tenure of the service. In case, it is detected that the documents submitted by the candidates are fake, or the person has a clandestine antecedents or background and has suppressed the said information, then his/her services shall be terminated forthwith and legal action may be initiated against such candidates/employees.
8	No interim correspondence whatsoever will be entertained from the candidates.
9	Canvassing in any form or bringing in any influence political or otherwise, will be a disqualification for the post.
10	In case of any dispute/ambiguity that may occur in the process of selection, the decision of the Institute shall be final.
11	For a query related to Selection Process, applicant may send e-mail on kousalya.g@cit.edu.in . However, enquiry/queries related to eligibility for the post/interpretation of rules will not be entertained.

Principal Investigator

Principal

Date: 18 October 2021