



SOCIETY FOR ELECTRONIC TRANSACTIONS AND SECURITY [SETS]
CIT Campus, MGR Knowledge City, Taramani, Chennai – 600 113, India.

Advertisement No. SETS/Chn/Rec/Proj/2023-24/19

Date: 21st November 2023

Society for Electronic Transactions and Security [SETS] is a non-profit society dedicated to research and development in the field of Cyber Security.

SETS invites applications from citizens of India for filling up the following positions for a Research & Development project in the area of Cybersecurity.:

The descriptions of positions, detailed qualification requirements and salary are given below:

Eligibility Criteria

- 1. Project Scientist (Consultant Mode) – 1 Position**
- 2. Project Associate (Embedded System) – 1 Position**
- 3. Project Associate (Software) – 2 Positions**

The descriptions of positions, detailed qualification requirements and salary are given below:

Eligibility Criteria

1. Project Scientist (Consultant Mode)

Name of the Post	Project Scientist (Consultant Mode)
Number of Post(s)	One
Age Limit	Not more than 35 years as on 08.12.2023
Qualification	First Class M.Tech /M.E / MS by Research (Computer Science / Electronics and Communication/Information Technology/Information Security/Cyber security)
Desirable Qualification	Ph.D (Computer Science/ Electronics and Communication/Information Technology/Information Security/ Cyber security)
Areas of skill sets/ Knowledge required	Essential Skill Sets a) R&D in the field of IoT/Embedded system security b) Programming Experience in C and C++ c) Experience on assembly language programming for embedded systems (ARM Cortex, RISC-V, Xtensa LX6 etc.) and hands-on experience on programming and debugging micro-controller board variants like Arduino, ESP32, STM32, RP2040, PICO, SAM etc. Desirable Skill Sets a) Knowledge on Lightweight Cryptographic Libraries for IoT/Embedded devices like mbed TLS, Cyclone Crypto etc. b) Knowledge on protocols like CoAP, MQTT, DTLS, TCP/IP, UDP, EST, ACME etc. c) Knowledge on PKI ecosystem, X.509 Certificates, OpenSSL crypto suite etc.
Experience	5 Years of Relevant Experience
Remuneration	Consolidated salary of Rs. 80,000/- per month (based on performance of the first year 5-8% increment may be considered)

2. Project Associate (Embedded System)

Name of the Post	Project Associate (Embedded System)
Number of Post(s)	One
Age Limit	Not more than 35 years as on 08.12.2023
Qualification	First Class B.E / B.Tech in ECE/EEE/CSE/IT
Desirable Qualification	First Class M.Tech /M.E / MS by Research (Computer Science / Electronics and Communication/Information Technology/Information Security/Cyber security)
Areas of skill sets/ Knowledge required	a) Programming Experience in C, C++, embedded C and Assembly Language b) Knowledge on micro-controller boards like Arduino, ESP32, STM32, RP2040, PICO, SAM etc. c) Basic knowledge on IoT protocols, PKI, embedded systems and cryptography
Experience	0-4 Years of Relevant Experience Equivalent work experience in lieu of higher degree: - Engineering Masters: Two years
Remuneration	Consolidated salary of Rs. 30,000 - Rs 50,000/- per month, additional increment may be given based on the skill sets and relevant experience of candidate (based on performance of the first year 5-8% increment may be considered)

3. Project Associate (Software)

Name of the Post	Project Associate (Software)
Number of Post(s)	Two
Age Limit	Not more than 35 years as on 08.12.2023
Qualification	First Class B.E / B.Tech in ECE/CSE/IT
Desirable Qualification	First Class M.Tech /M.E / MS by Research (Computer Science / Electronics and Communication/Information Technology/Information Security/Cyber security)
Areas of skill sets/ Knowledge required	a) Experience on programming and scripting languages – C and Python b) Knowledge on Linux operating system (Debian/Ubuntu) c) Knowledge on: Web Application Framework - Django (or) Flask Web Server Package – Nginx (or) Apache Database – SQLite (or) MySQL (or) PostgreSQL d) Basic knowledge on Networking protocols: TCP, IP, UDP, SSL/TLS e) Basic knowledge on Cryptography, PKI ecosystem - CA, OCSP, CRL
Experience	0-4 Years of Relevant Experience Equivalent work experience in lieu of higher degree: - Engineering Masters: Two years
Remuneration	Consolidated salary of Rs. 30,000 - Rs 50,000/- per month, additional increment may be given based on the skill sets and relevant experience of candidate (based on performance of the first year 5-8% increment may be considered)

The positions of Project Scientist (Consultant Mode) & Project Associates as proposed is purely temporary and would be filled on a contract basis with a consolidated salary under project mode. The duration of the assignment is initially for a period of One Year and would be extended further based on the need of the project and performance. There is no scope of continuation/regularization/absorption under any circumstances.

Application Procedure:

1. Only applications received via Google Form will be considered. The Candidate should choose the appropriate post to apply (**“Project Scientist (Consultant Mode)/Project Associate (Embedded System)/ Project Associate (Software)”**). Please find below the link for the Google form:

- | Name of the Post | Google Form Link |
|--|---|
| 1. Project Scientist (Consultant Mode) | https://forms.gle/pebnBNK26aPYNvKY6 |
| 2. Project Associate (Embedded System) | https://forms.gle/YMcSG4xq44sLSdDUA |
| 3. Project Associate (Software) | https://forms.gle/recnqPBZS6j9SjDT7 |
2. The candidate is requested to attach the following documents:
 - a. Scanned copy of Personal Particulars form (pdf format) duly filled and signed. The Personal Particulars form is available at SETS homepage <https://setsindia.in/careers>.
 - b. Scanned copies of academic certificates (Single PDF document)
 - c. Scanned copies of Experience certificates (Single PDF document)
 3. The last date for uploading applications via Google Form is **08.12.2023**.
 4. Shortlisted candidates would be required to attend a Written Test and/or Interview at SETS, Chennai. The date and time for this would be intimated to shortlisted candidates by E-mail.

Terms and Conditions:

1. The shortlisted candidates would be required to bring all their original testimonials for verification on the interview day.
 2. No TA/DA will be given to candidates appearing for interview.
 3. The prescribed qualifications are minimum and mere possession of the same does not entitle the candidate to be called for the written test or interview. The decision of the Executive Director of SETS in all matters relating to eligibility, acceptance or rejection of the applications, cancellation of advertisement and filling up or not filling up of post will be final and no inquiry or correspondence will be entertained in this matter.
 4. Number of vacancies may increase/decrease depending upon SETS requirements and such changes will be made by SETS without any notice
- ❖ In case of any queries/issues related to uploading the form may please be intimated via email id: hrd2023-04-proj@setsindia.net

Executive Director