Date: 25.05.22

Applications Invited for Research Position (Post Doctoral Fellow/ Research Associate / Research Assistant) and Developer Position (Project Staff)

1.

Positions	Post-Doctoral Research Fellowship (CSE/ECE/EEE)
Type of Position	This position is for a period of 1 year, extension subject to performance.
Salary	Consolidated pay Rs. 55,000 per month (negotiable)
Eligibility	- PhD with **BE/BTech/MSc/Equivalent** in **CSE/ECE/EEE** with relevant research/industrial experience and publication in reputed journals/conferences. **Candidates who have submitted the thesis and are waiting for thesis defense are also encouraged to apply**. - Candidates should have good academic records throughout and good communication skills. - Candidates should not have published in any predatory journals.
Experience	0-2 Years of relevant experience post Ph.D.

Job Description	● Development of security requirement, security test procedure ● Working with other stakeholders of the research project ● Identification of vulnerabilities and development of security solutions in any of the domain areas. ● Publish the research results in top-level conferences and journals ● Work with other research students in the development of security solutions in any of the domain areas.
Domain Areas	● 5G Security ● System Security ● IoT Security ● Cloud Security
Selection Procedure	Candidates will be shortlisted based on the eligibility criteria, academic record, and relevant experience. Only, shortlisted candidates will be intimated through email for the interview by the selection committee. Merely meeting the criteria may not guarantee a call for an interview. The position will be left vacant and a new advertisement with an extended date will be given if no suitable candidate is found.

2.

Positions	Research Associate (CSE/ECE/EEE)
Type of Position	This position is for a period of 1 year, extension subject to performance. **Candidates meeting the eligibility of CSE/EE Ph.D. programs of IIT Hyderabad can apply while working on this project.**
Salary	Consolidated pay Rs. 35,000 per month (negotiable)

Eligibility	- M.Tech in **CSE/ECE/EEE** with relevant research/industrial experience. Publication in reputed journals/conferences will be given preference. - Candidates should have good academic records throughout and good writing skills.
Experience	0-2 Years of relevant experience post M.Tech
Job Description	- Development of security requirement, security test procedure - Working with other stakeholders of the research project - Identification of vulnerabilities and development of security solutions on any of the domain areas. - Work with other researchers in the team in the development of security solutions and publish the research results.
Domain Areas	5G Security - System Security - IoT Security - Cloud Security
Selection Procedure	Candidates will be shortlisted based on the eligibility criteria, academic record, and relevant experience. Only, shortlisted candidates will be intimated through email for the interview by the selection committee. Merely meeting the criteria may not guarantee a call for an interview. The position will be left vacant and a new advertisement with an extended date will be given if no suitable candidate is found.

3.

Positions	Research Assistant (CSE/ECE/EEE)
Type of Position	This position is for a period of 1 year, extension subject to performance.

	Candidates meeting the eligibility of CSE/EE M.Tech (RA) programs of IIT Hyderabad can apply without a GATE score while working on this project.
Salary	Consolidated pay Rs. 25,000 per month (negotiable)
Eligibility	● B.Tech in **CSE/ECE/EEE** with relevant research/industrial experience. Publication in reputed journals/conferences will be given preference. ● Candidates should have good academic records throughout and good writing skills.
Experience	0-2 Years of relevant experience post-B.Tech
Job Description	● Development of security requirement, security test procedure ● Working with other stakeholders of the research project ● Identification of vulnerabilities and development of security solutions in any of the domain areas.
Domain Areas	● 5G Security ● System Security ● IoT Security ● Cloud Security
Selection Procedure	Candidates will be shortlisted based on the eligibility criteria, academic record, and relevant experience. Only, shortlisted candidates will be intimated through email for the interview by the selection committee. Merely meeting the criteria may not guarantee a call for an interview. The position will be left vacant and a new advertisement with an extended date will be given if no suitable candidate is found.

4.

Positions	Project Staff (Developer) (CSE/ECE/EEE)
Type of Position	This position is for a period of 1 year, extension subject to performance. **Candidates meeting the eligibility of CSE/EE M.Tech (RA) programs of IIT Hyderabad can apply without a GATE score while working on this project.**
Salary	Consolidated pay of Rs. 35,000 to 50,000 based on the experience and performance
Eligibility	● B.E/B.Tech in **CSE/ECE/EEE** with relevant research/industrial experience. Publication in reputed journals/conferences will be given preference. ● Candidates should have good academic records throughout and good writing skills.
Experience	● Min 2 years of hands-on work experience on either of ○ the Telecommunication Systems ○ Mobile Technologies ○ IP Networking ● Work Experience in a telecom operator's network will be an asset.
Primary Skill Set	● Hands-on experience with open source and commercial test tools like Vulnerability Analysis, Penetration Tool, Source Code Analyzer, Binary Analysis, and Protocol Fuzzer. Should be thorough with packet capture and analysis. ● Sufficient exposure to standards of 3GPP, ETSI, ITU-T, IEEE, CC, IETF, NIST/FIPS, etc. ● Proficiency in scripting and programming ● Expertise on Linux
Secondary Skill Set (at least on one domain)	● On 5G: ○ Expert knowledge on 4G/5G ○ Knowledge on cryptography. ○ Database security

	○ Experience in IPSec, TLS, etc - Virtualization: ○ Knowledge on Cloud Security ○ Knowledge on Container Security ○ Knowledge on ETSI's NFV security ○ Experiences on Virtualization ○ Should be able to analyze and generate standards & test cases for each of the vulnerabilities in virtualization (in all framework) - Operating System: ○ Strong Knowledge on OS security fundamentals ○ Hands-on experience in OS hardening ○ Exposure to OS security standards defined by CIS, CERT, etc ○ Should be able to identify security vulnerabilities in OS and should be able to generate standards and test cases for each of the vulnerabilities - IoT: ○ Hands-on experience on embedded system security ○ Relevant IoT security standards ○ Conversant with/hands-on experience in IoT development with like Arduino / Raspberry Pi / Free RTOS ○ Skills in Linux Customization ○ Proficiency in scripting in any of the Bash / Python / PERL / RUBY
Job Description	- Responsibility: Should contribute to the development of test cases and test schedules for the security requirements of identified ICT products - Should be able to execute test cases independently in a real and simulated environment and able to produce clear test results with all the evidence. - Work with stakeholders and willing to work either at IIT Hyderabad or DoT Bangalore campus

Selection Procedure	Candidates will be shortlisted based on the eligibility criteria, academic record, and relevant experience. Only, shortlisted candidates will be intimated through email for the interview by the selection committee. Merely meeting the criteria may not guarantee a call for an interview. The position will be left vacant and a new advertisement with an extended date will be given if no suitable candidate is found.

How to Apply:

Application Portal: https://project2.recruitment.iith.ac.in/

Candidates, who fulfill the eligibility criteria, should apply through the link given above latest by 5:00 pm, 17th June 2022.