



INFORMATION TECHNOLOGY UNIVERSITY OF THE PUNJAB

SHORT TERM INDIVIDUAL CONSULTANT REQUIRED

Applications are invited for the following position from candidates who meet the specified criteria:

Sr. No.	Title of Consultancy	No. of Individuals	Qualification & Experience
1.	Consultant for Project: "Formally Verified Ethereum 2.0 Beacon Chain"	01	• Must have a PhD degree in Computer Science / Software Engineering from an institution or a university recognized by HEC. • Must have strong skills of formal methods and have 50 publications in the area of formal methods out of which 20 must be journal publications. • Must have worked on academic/industrial projects. • Must have supervised 20 MS/PhD students in the area of formal methods. • Must have taught courses in the area of formal methods. • Must have served in reputed organizations for at least 20 years.

1. The above required consultant shall be engaged for short term consultancy by following Punjab Procurement Rules, 2014.
2. Detailed Terms of Reference (TORs) are attached herewith.
3. The duration of the consultancy engagement is six (6) months.
4. Incomplete/pruned (having cutting) / unsigned/ application based on incorrect information received after due date shall be rejected.
5. Only shortlisted candidates will be called for interview.
6. Applications along with the credentials must reach in the Procurement Wing of ITU (6th Floor, Arfa Software Technology Park, 346-B Ferozpur Road, Lahore) on or before **11/07/2023**.
7. Only those candidates having degrees from HEC recognized university/ college/ institute or well reputed foreign university recognized by HEC shall be considered.
8. No TA/DA shall be admissible when called for interview or joining the service.
9. The date and time for interview will be communicated through a phone call or email.

PURCHASE OFFICER

INFORMATION TECHNOLOGY UNIVERSITY OF THE PUNJAB

6th Floor, Arfa Software Technology Park, 346-B, Ferozepur Road, Lahore.

Phone: (042) 111-111-488

Web: www.itu.edu.pk

Consultant Terms of Reference (TORs)

Project Name: Formally verified Ethereum 2.0 Beacon Chain

Project Duration: 6- Months (24th July 2023 – 23rd January 2024)

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Location: Remote

Qualification:

- Must have a PhD degree in Computer Science / Software Engineering from an institution or a university recognized by HEC

Experience:

- Must have strong skills of formal methods and have 50 publications in the area of formal methods out of which 20 must be journal publications.
- Must have worked on academic/industrial projects.
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- Must have taught courses in the area of formal methods.
- Must have served in reputed organizations for at least 20 years.

Objective of work:

- Guidance on the formal modeling and verification of Ethereum Beacon Chain.

Description of Work:

- Provide consultancy on developing the formal model of Beacon Chain using formal methods.
- Provide guidance on the formal verification of critical and complex properties against the formal model of Beacon Chain.
- Provide support in the research work of the project.

Working hours:

- The consultancy hours will be about 20-22 per month.