NO:

University of Peshawar
APPLICATION FORM FOR EMPLOYMENT IN NCCS

Rs.500/- (non-refundable) to be deposited in National Bank of Pakistan in online Account No. 4152315710 (branch code 0388 University Campus Branch, Peshawar

Paste your Passport size photo

Application for Position: ☐ **Research Associate** ☐ **Research Assistant**

(Please write or type clearly and attach attested copies of the requisite testimonials herewith)

1. Name:
(in capital letters)

2. Father's Name:
(in capital letters)

3. C.N.I.C. No. ☐☐☐☐☐-☐☐☐☐☐☐☐-☐   **4. Gender:** (Please Tick) **Male** ☐ **Female** ☐

5. Mailing Address:

(for correspondence)

6. Permanent Address:

7. Mobile / Tele No.   **8. E-Mail:**

M M - D D - Y E A R

9. Date of Birth ☐☐-☐☐-☐☐☐☐   **10. Nationality:**

11. Domicile   **12. Marital Status**

13. ACADEMIC **QUALIFICATION** :(Please attach all educational testimonials i.e Certificates / Degrees & Transcript / DMCs commencing from Matric upto required qualification)

S.No	Examination Passed	Passing Year	Marks /CGPA Obtained	Total Marks/ CGPA	Division/ Grade	Board/ University
1						
2						
3						
4						
5						

14. Additional relevant Certifications :(Please attach all educational testimonials i.e Degrees, Transcript / DMCs over and above the required qualification)

S.No	Relevant Certification Name	Completion Year	Board/ University
1			
2			
3			
4			
5			

15. Employment Record: Experience means the post qualification experience.
(Please attach all experience certificates claimed in this application and use additional sheets, if necessary).

S.No	Name of Institution Organization served	Designation with BPS	Duration FROM: MM-DD-YY	Duration To: MM-DD-YY	Nature of Job (Permanent/Temporary)
1					
2					
3					
4					
5					

16. Bank Receipt No. [_____] Rs. [_____] Date [_____]

17. List of testimonials attached:

i. _____   ii. _____

iii. _____   iv. _____

v. _____   vi. _____

vii. _____   viii. _____

ix. _____   x. _____

xi. _____   xii. _____

xiii _____

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Note: - Marking / evaluation shall be based on the information written in the application form supported by documentary proof. The educational / professional qualification and experience etc without supporting documents or claimed after submission of form i.e. during interview or at any belated stage shall not be entertained.

Please see the research area for eligibility, only those will be eligible to apply who fulfill the research requirements.

I hereby declare that all the information given in this application form and all the additional particulars (if any) furnished along-with it are correct to the best of my knowledge and belief and nothing relevant has been concealed.

Date : _____/_____/20

_____
Applicant's Signature

Research Areas:

Blockchain Technologies

Blockchain system consists of distributed set of nodes that build trust in a decentralized manner without relying on a single authority and avoid risk of dishonest tampering by a single node. The nodes in a blockchain system run under different organizations but remain connected and in sync with each other so that no individual node acts as a central point of control or failure. Further, each node generates authenticated transactions that are added to one ledger in the form blocks that are chained together through cryptographic hashes. The longer the size of the chain, the more trustworthy a transaction becomes and more difficult it becomes to maliciously tamper with data present deeper in the chain. Having this as a foundation, blockchain provides smart contracts, which enable autonomous execution and enforcement of promises encoded as program code without involving any intermediary. This leads to greater operational efficiency and reduced intermediation cost.

The blockchain research and application space is very active. On one end, there are number of research ideas on how to achieve better consensus, scalability and performance and security for the blockchain system itself. On the other end, there is a huge potential on how to apply blockchain advantages to existing domains (financial payments, supply-chain provenance, auditing etc.) and retransform use-cases for improved efficiency and corruption-free governance.

Exploiting blockchain technologies for various web and mobile application in the area related to Gem and Jewelries, health, food and government sector. Checking the capability of mining in cluster and data centre environment by developing an efficient and cost-effective consensus protocols and algorithms. Formal modelling and verification framework for blockchain technologies and protocols.

Requirements:
- Basic knowledge of Blockchain technologies
- Use cases and preferable small application developed in Blockchain technologies.
- Experience and implemented small to medium scale projects in Node.js, mobile cross platform i.e. react native, solidity language and excellent knowledge of Java.