



# SHEIKH UMAR FAROOQ

ASSISTANT PROFESSOR (SELECTION GRADE)  
DEPARTMENT OF COMPUTER SCIENCES,  
NORTH CAMPUS, UNIVERSITY OF KASHMIR

## PROFILE

My current research is mainly focused on designing, evaluating and improving ways for developing quality software through better testing. I am currently involved in automating testing by leveraging artificial intelligence in the software testing domain. Moreover, I investigate the cross-project defect prediction process and also evaluate test methods for improving the efficacy of the testing process. As a part of collaborative research, I also continue research in the software engineering education area wherein we largely investigate the key challenges and possible solutions for better engineering education.

## WORK EXPERIENCE

### University of Kashmir

- **Assistant Professor (Selection Grade)** at Department of Computer Sciences, North Campus. 31 Aug 2022 - till date
- **Senior Assistant Professor** at Department of Computer Sciences, North Campus. 31 Aug 2017 - 30 Aug 2022
- **Assistant Professor** at Department of Computer Sciences, North Campus. 31 Aug 2013 - 30 Aug 2017

## ADMINISTRATIVE DUTIES

- Coordinator Research, North Campus, University of Kashmir Since Oct 2023
- Coordinator, Department of Computer Sciences, North Campus Since Nov 2020.
- Nodal Officer, MCA Examinations, University of Kashmir Since June 2022.

## ORGANIZING / PROGRAMME COMMITTEE MEMBER

- Student Poster co-chair at 17th Innovations in Software Engineering Conference (ISEC 2025).
- Track Chair of ACM Student Research Competition (SRC) held at 15th and 16th Innovations in Software Engineering Conference (ISEC).
- Co-organizer of 1st, 2nd, 3rd, 4th and 5th International workshop on Emerging Software Engineering Education (WESEE) co-located with ACM Innovations on Software Engineering Conference (formerly known as India Software Engineering Conference) held annually since 2018.
- General Chair of 1st International Conference on Software Engineering and Data Sciences (CoSEDS 2018), University of Kashmir, June 20-21, 2018
- Programme Committee member of Workshop on Automated Software Testing (A-Test 2016), (A-Test 2015) co-located at the Joint Meeting of the European Software Engineering Conference (ESEC) and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (FSE).

## CONTACT

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## RESEARCH INTERESTS

- Empirical Software Engineering
- Software Defect Prediction
- AI4SE
- Software Engineering Education

## RESEARCH STATISTICS

- Refereed Papers - 32
- Books - 02
- Book Chapters - 01
- Research Projects - 03
- PhD Awarded - 02
- Citations - 517

## EDUCATION

PhD in Computer Sciences - August 2012  
University of Kashmir

Masters in Computer Applications (MCA)  
SSM College of Engineering and Technology  
June 2009

Bachelor's in Computer Applications (BCA)  
Islamia College of Science and Technology  
March 2006

Qualified National Eligibility Test (NET) in  
Computer Science and Applications  
conducted by University Grants Commission  
(UGC) June 2014

## MEMBERSHIP

- Association for Computer Machinery (ACM).
- Computer Society of India (CSI).
- Special Interest Group on Soft. Engg., iSoft.
- The IAENG Society of Software Engineering.
- IACSIT Software Engineering Society (SES).