Faculty Profile

Full Name: Uzair Khan

Position/ Designation: Lab Instructor

Faculty/Department: Computer Science

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Short Introduction

I am Computer Engineer and currently serving as Research Associate at NED University Karachi in National Center of Artificial Intelligence (NCAI), also work as Permanent Faculty at Nazeer Husssain University. As a Computer Engineer, I find myself interested in technologies like the evolution of Big Data, Data Science, AI, Deep Learning, and Machine Learning

Experience

- **Research Associate at National Center of Artificial Intelligence at NED University Karachi (1st January 2023 till Date)**
- **Permanent Faculty at Nazeer Hussain University NHU (16th February 2023 till Date)**
- **Visiting Faculty at Nazeer Hussain University (1st October 2022 till 15th February 2023)**
  Teaching Programming Fundamental course along with Lab and Multivariate Calculus to 1st and 2nd Semester respectively
- **Research Assistant at National Center of Artificial Intelligence at NED University Karachi (1st May 2022 till 31st December)**
  Working on the core areas of Computer Vision. Mainly focused on Yolov5
- **Team Lead at RISCV International Global Summit USA 2020**
  Presented Reverse Engineering of Rocket-Chip methodology in RISC-V Summit. Rocket Chip is the most powerful SoC generator written in Chisel and understood by quite a few. We present our pedagogy which enabled our undergraduate students to understand this complex and powerful tool and its architecture which is not well documented and is a painful problem for many industries looking to adopt Chisel.
- **Research Associate at Micro Electronic Research Lab (MERL) UIT University Karachi August 2020 – July 2021 (12 months)**
- **Research Assistant at Micro Electronic Research Lab (MERL) UIT University Karachi January 2020 – July 2020 (6 months)**
  We have implemented a Single-cycle core using a Chisel, the library of Scala.

Educational Information

- **2021- In progress Masters of Data Engineering and Information Management from NED University Karachi (Weekend Program CGPA:3.7)**
- **2015-2019 Bachelors of Computer System Engineering from Ned University Karachi CGPA: 3.2)**
- **2014 - 2015 Intermediate (Pre-Engineering) PECHS Foundation College, Karachi.**
- **2013 - 2014 Matriculation (O Levels) Happy Palace Grammar School, Karachi.**

Achievements, Research/Publications

Team Lead at RISCV International Global Summit USA 2020
Presented Paper on Reverse Engineering of Rocket-Chip methodology in RISC-V Summit. Rocket Chip is the most powerful SoC generator written in Chisel and understood by quite a few. We present our pedagogy which enabled our undergraduate students to understand this complex and powerful tool and its architecture which is not well documented and is a painful problem for many industries looking to adopt Chisel.