Burhan Sadiq

Email:sadiqburhan0@gmail.com|Mobile:+92315-5746112| Website:Burhansadiq.me

WORK EXPERIENCE

National centre of robotics and automation|Control automotive and robotics lab   **Pakistan, Quetta**

Undergraduate Research Assistant   **April 2020-October 2021**

Developed a digital image stabilization system for snake robots so that visual data can be utilized for the development of autonomous behaviour in snake robots

BUITEMS | Textronics lab

Intern   **January- April 2019**

Designed an equipment, its control system and GUI in python for the characterization of yarns, nano generators and textile based conductive circuits, to check the properties like flexibility, elasticity, recoverability etc.

EDUCATION

BUITEMS Quetta   **Expected Graduation: November2021**

Electronic Engineering

Coursework: Computer fundamentals and programing; Object oriented programing; Engineering Design; Microprocessors & Micro-controllers, Image processing, Pattern recognition and matching, Machine learning

PROJECTS

Final year project Visual stabilization and SLAM implementation for snake like robot

Proposed learning and non learning based methods for the video stabilization so that visual data captured from snake robot's camera can be utilized for the development of autonomous behaviour in snake robot.

Semester Projects

- 2 axis Arduino based CNC plotter
- Phrase generation using genetic algorithm
- Low noise amplifier for satellite communication
- Intelligent accident safety system for gas appliance

LEADERSHIP AND VOLUNTEER

Youth Impact   **Pakistan, Islamabad**

Youth Facilitator| Youth Development   **August 2020-March 2021**

Worked as a mentor for diverse group of young people from all over Pakistan, where they launched 8 projects on SDGs, impacted 6033 people, reached 108,104 people via social media, and raised 171,200 Pkr funds for their project execution.

IEEE Student Branch BUITEMS   **December 2018- 2019**

Lead Memberships and Registrations

- Fulfilled the no of memberships requirement for subsection as a result student branch upgraded to subsection

SKILLS

Engineering: Project management, Prototyping, Technical documentation

Design and Analysis: MATLAB, OpenCV, Jupiter notebook, Coppeliasim

Programming Languages: Python, C/C++

Languages: English, Urdu, Punjabi, Arabic (Intermediate-Speak/Read/Write).

AWARDS

- Winner of technology award and cash prize in Innovation summit Balochistan two times in a row (2018-19)
- Participated In Pakistan's first wilderness-based youth leadership conference and won the Markhor Icon award for excellent performance in showing leadership skills
- Awarded BEEF scholarship twice based on academic performance.