

Hiring: Robotics Research Associate & Research Assistants for 3 Months Project (College of E&ME)

A fast-paced **Quadruped Design & Development Project** needs full-time committed technical resources. If you want to build hardware that actually walks, this is your shot. The project is initially of **3 x months** but is likely to extend into follow-up phases. Following paid positions need urgent filling.

Position 1: 1 x Research Associate Full time (Sim-to-Real Lead)

- **The Role:** You will own the sim-to-real pipeline.
- **The Tech:** Raspberry Pi OS, Arduino IDE, ROS 2, motor driver integration, IMU feedback loops and of course C++ & python (MuJoCo/ Gazebo or Isaac Sim in addition will do wonders)
- **The Profile:** **MS Student in Robotics/ Mechatronics Engineering (or relevant) at CoEME.** You don't need hand-holding. You know how to debug a Linux terminal and read hardware datasheets. And ready to take on **sim-to-real transfer** till completion.
(if you are in College of EME eco-system on any technical position/ already on a project, you can also reach out)

Position 2: 2 x Research Assistants Full-time/ Part-time (Fresh graduates / Final Year Students of CoEME)

- **The Role:** Driving the mechanical, hardware integration, testing, and scripting fronts. Tasks include **mechanical** (*building CAD assemblies, 3D-printing of chassis*), **electrical/ electronics** (parts procurement, MCU based circuit design and implementation, servos/ bldc actuators & sensor integration), **robotics** (ROS2 sim to real transfer, SLAM, etc).
- **The Profile:** **Fresh graduates DE 44/ FY students DE 45 from Mts/ Mech or others with strong documented experience and who fit the bill may apply.** We don't want siloed specialists. You must be a "pro" in **at least one** of the following skillset and good in one other: **Mechanical design**¹ (SolidWorks/Fusion 360 or compatible, with some experience in 3d printing), **Electronics integration**² (including ICs, controllers, motors, sensor integration and some proficiency in circuit design), **Robotics suite**³ (ROS2, MuJoCo/ Gazebo/ Isaac Sim and AI assisted on board python/ C++ scripts).
(Note: We may be expanding the team based on project phases).

● HOW TO APPLY (Read Carefully): Do not send a generic resume. Drop an email with:

1. A short **1-page PDF** (with github link) showcasing your proudest physical **hardware/ robotics** project, CAD build, or a relevant simulation/ software project.
 - Clearly state on top your strengths out of the three mentioned for position 2.
 - Include your GPAs and strong grades.
 - Don't include unnecessary details/ experiences.
 - Give name of any faculty as reference.
 - A **2-sentence description of the toughest technical bug you** solved on that project.
2. In email subject please clearly mention the position applied for. Subject must follow the format: "QuadP1-Position-1" or "QuadP1-Position-2-Pro@1XX" or "QuadP1-Position-2-Pro@1-G@2"
Apply By: 10 Sep 2026 (or until filled)

Send CV to:
Project PI: Engr Atif Sohail, DMTS & RDDDL NCRA
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