Birla Institute of Technology & Science, Pilani
K K Birla Goa Campus, India

Project Associate position under an Industry-sponsored project

Applications are invited for the position of Project Associate-1 in the Department of Mechanical Engineering at BITS Pilani, K. K. Birla Goa Campus, for an Industry sponsored research project titled "**Design of knee unloader braces to improve outcomes of surgical knee procedures using musculoskeletal simulations**." More details about the project can be found here.

Principal Investigator: Dr. Ganesh M. Bapat (https://www.bits-pilani.ac.in/goa/ganeshm/Profile)

Broad area of Research: Mechanisms design and synthesis, Biomechanics, Optimization, Product Design

Project duration: 1 year   **Fellowship (Rs.): 20,000-25,000 (Based on prior work experience)**

Last date of Application: Rolling advertisement (1st round of processing by 28th April 2024)

Qualification: Graduate (B.E./B.Tech) or Postgraduate degree (M.E./M.Tech./M.S.) with first class in Mechanical Engineering/Biomedical Engineering/ Production Engineering. Candidates with prior research/industry experience will be given preference.

Required Skills: Fundamental knowledge of mechanisms design, applied mechanics, CAD modelling, and programming skills, hands-on fabrication skills

Desirable Skills: Passion for problem-solving using hands-on and mathematical modeling approaches using MATLAB/ANSYS/COMSOL etc. *Knowledge about Biomechanics and biomedical simulations is optional at this stage, but the candidate should be interested in learning the same.*

Benefits:

- Research training in the cutting-edge area of Biomechanics with excellent research facilities.
- Hostel accommodation will be provided subject to availability and per the institute's rules and regulations.

How to Apply: Interested candidates should send an email mentioning their motivation for this position and a detailed curriculum vitae mentioning past research/industrial experience to the principal investigator (email: **ganeshm@goa.bits-pilani.ac.in**) by **2nd May 2024, 23.00 (IST)**. Shortlisted candidates will be contacted via e-mail within 2 weeks of the application deadline for online/Personal interview to be held at BITS Pilani, Goa Campus. No TA/DA will be paid for the interview.

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