

Position: Institute Postdoctoral Fellow, Gangwal School of Medical Sciences and Technology, IIT Kanpur.

Project: Development of percutaneous mechanical circulatory support devices.

We are looking for dynamic and motivated candidates with strong interests and/or experience in medical device development to work towards the development of percutaneous mechanical circulatory support devices and allied systems.

Essential qualifications:

1. Ph.D. in science or engineering
2. Experience in conceptualization, design, and conduct of experiments, and data analysis, interpretation, and presentation.
3. Research and/or product design and development experience of a minimum of four years (including Ph.D.) with a focus on one or more of the following areas: structural mechanics, fluid mechanics, fluid-structure interaction, CAD and manufacturing, material science, electrical motor design, electronics, and control systems.
4. Proficient in the use of analysis tools/software such as COMSOL, Ansys, and Solidworks.

Desirable qualifications:

1. Experience in medical device development and knowledge of biomedical product lifecycle.
2. Excellent oral and written communication skills and the ability to work as a part of a dynamic group.

Interested candidates can email their applications (CV and a cover letter) and/or queries to jpranavr@iitk.ac.in. Applications must reach us on or before **15th June 2023**.

Contact details:

Dr. Niraj Sinha, Dr. Pranav Joshi
Northern Laboratories
Department of Mechanical Engineering
IIT Kanpur
Ph: 0512 259 2023 (4:00 pm to 6:00 pm)

GSMST, IIT Kanpur website: <https://gsmst.iitk.ac.in/>