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

**Project:** Applications are invited for one post-doctoral position in the COE flagship project entitled "Design and Development of Autonomous Stairs/Escalator Climbing & Self-navigating Smart Wheelchair" at COE: Telemedicine and Robotics, IIT Kanpur. We are looking for dynamic and motivated candidates with strong interests and/or experience in the design and development of assistive devices to work towards developing and implementing autonomous navigation.

**Essential qualifications:**

1. Ph.D. in System Engineering, Electrical/Computer Science, and mechatronics engineering or an allied field.
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 two years (including Ph.D.) with a focus on one or more of the following areas: SLAM, Visual-SLAM, electronics (LIDAR, Stereo-Camera), autonomous navigation algorithms, and control systems.
4. Proficient in the use of ROS1/ROS2, OpenCV, Python, and C++.

**Desirable qualifications:**

1. Experience in microcontroller/microprocessor programming and integrating sensors and actuators.
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 coetmriitk@gmail.com. Applications must reach us on or before **31st August 2023**.

**Contact details:**

Prof. Bishakh Bhattacharya
Northern Laboratories
Department of Mechanical Engineering
IIT Kanpur
Ph: 0512 259 7824 (4:00 pm to 6:00 pm)

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