

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:

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