

PRESS RELEASE

PhD Scholar from IIT Bhilai selected for the Prime Minister Research Fellowship (PMRF)

October 26, 2021: Sonia Rani, PhD scholar from the Department of Physics, IIT Bhilai has been selected for the Prime Minister Research Fellowship (PMRF) under the lateral entry scheme for the May 2021 cycle. She will work on a project entitled "Semi-Transparent Colored Perovskite Solar Cells (STC-PvSCs) for Building-Integrated Photovoltaic Systems" under the guidance of Dr. Dhriti S Ghosh, Associate Head, Department of Physics. Sonia is working in Thin Film and Photovoltaics Lab and will be researching on perovskite solar cells which is an alternative to traditional silicon-based solar cells. Her proposed research focuses on the realization and fabrication of colored semi-transparent perovskite solar cells which can be installed in window panes of buildings allowing certain amount of light to go inside the building but also generate electricity.

Sonia will receive a monthly stipend ranging from Rs 70,000 to Rs 80,000 per month for up to five years under the PMRF scheme. Besides the stipend, she will also be eligible for Rs 2,00,000 research grant per year which can be utilized towards the procurement of research equipment.

