



**UNIVERSITY COLLEGE OF TECHNOLOGY
INSTITUTE OF RADIOPHYSICS AND ELECTRONICS**

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**JRF in a SERB-funded Research Project
(File no. EEQ/2022/000114)**

Principal Investigator: Dr. Kaushik Mandal, Assistant Professor, Department of RPE, CU

Project's Objective: The main objective of this project is to design a metasurface integrated efficient Wireless Power Transfer (WPT) system for wearable and implantable IOT devices. Two simple, compact and flexible patch antennas will be designed to use as Rx and Tx elements. A metamaterial slab is also to be designed and integrated with the Rx element.

Name of the position	Junior Research Fellow (JRF)
Number of position(s)	01 (One)
Duration of project	03 years Note: The selected candidate may register for a full-time Ph.D. programme under the project at University of Calcutta.
Emoluments	As per SERB norms
Educational Qualification	Essential: BE/ B.Tech and ME/M.Tech in Electronics and Communication Engineering or in Radio Physics and Electronics with minimum 60% aggregate score. Desirable: The candidates should have skills and fundamental knowledge of designing, simulations and optimization of various practical antennas in CST Microwave Studio, HFSS or any similar simulation tools.
Age Limit	Maximum 28 years (on the last date of application) Age relaxation is applicable as per the norms of Govt. of India.

Interested candidates may submit their detailed bio-data duly signed to Dr. Kaushik Mandal, Dept. of RPE via e-mail at kmrpe@caluniv.ac.in. Application should include your contact details (address, contact number, email id), educational qualifications, skills relevant with the project objectives. Applications with incomplete details will be rejected.

General Terms and Conditions

- Only shortlisted candidates will be called for the interview.
- No TA/DA will be provided.
- The selected candidate will have to join immediately on receipt of the offer.

Deadline for receiving the application is 13-03-2023.

Kaushik Mandal

Signature of PI