

Junior Research Fellow (JRF)

Applications are invited for the position of **Junior Research Fellow (JRF)** in a Science and Engineering Research Board (SERB) sponsored project entitled “**Design and Implementation of Low Complexity Wavelet Encoder using Approximate Computations for wireless visual sensor network applications**” at SVKM’s NMIMS, Mukesh Patel School of Technology Management & Engineering, Shirpur (MH), India. The position is purely temporary and is available immediately. The candidate may be allowed to register for Ph.D. in the university provided he/she qualifies the NMIMS University Ph.D. entrance exam 2021.

Essential qualifications: M.E. / M.Tech in ECE/EE (or equivalent).

Desirable Qualifications:

- Experience on VHDL coding, familiar with Synopsys EDA Tools, FPGA and Vivado Tools is highly desirable. Good knowledge of MATLAB programming and fundamental concepts of signal processing algorithms will be an added advantage.

Fellowship: Rs. 31000 pm (fixed). On-campus accommodation may be provided subject to the availability, as per University norms.

Duration of Project: 03 years

Title of the Project: **Design and Implementation of Low Complexity Wavelet Encoder using Approximate Computations for wireless visual sensor network applications.**

Project Description: The project aims to develop low-complexity hardware design of lifting based multi-level forward and inverse Discrete Wavelet Transform using approximate computation for ASIC and FPGA implementation.

How to apply: Interested candidate should send their complete bio-data (in the attached format) to the principal investigator by **email** to basantkumar.mohanty@nmims.edu by **May 30, 2021**. Alternate hard copy of the bio-data may be sent to,

Dr. B.K.Mohanty (PI), Department of Electronics & Telecommunications Engineering, SVKM’s NMIMS, MPSTME Shirpur, Babulde, Near the bank of Tapi river, Shirpur, Dist. Dhule, Maharashtra – 425 405. Ph: 8839987677.

Only short-listed candidates will be informed through Email and will be called for interview No TA/DA will be paid for attending the interview.

Note:

1. Position in the mentioned project is purely temporary, for the period of duration of the project.
2. If performance of candidate will not be found satisfactory, position can be terminated with one month of prior notice.

Dr. B.K.Mohanty
MPSTME, SVKM’s NMIMS Shirpur campus