

## **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 Sambalpur University Institute of Information Technology, Jyoti Vihar, Sambalpur University, Burla, Odisha. 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/EEE/M.Sc Electronics (or equivalent).

**Desirable Qualifications:**

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

**Fellowship:** Rs. 31000 pm (fixed). No HRA will be provided. However, On-campus accommodation may be provided subject to the availability, as per rule.

**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 [director@suiit.ac.in](mailto:director@suiit.ac.in)**, by **15 April 2022**, Alternate hard copy of the bio-data may be sent to,

**Dr. B.K.Mohanty (PI), Director, Sambalpur University Institute of Information Technology, Jyoti Vihar, Sambalpur University, Burla, Odisha. 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



**Sambalpur University Institute of Information Technology**  
**Jyoti Vihar, Burla, Odisha, India 768019**

**APPLICATION FOR THE POST OF “JRF” AND “RESEARCH ASSISTANT” IN THE  
RESEARCH PROJECTS SPONSORED BY SERB AND ODISHA STATE HIGHER  
EDUCATION COUNCIL (OURIIP-2020 SEED FUND)**

**Department of Electronics and Communication Engineering / Computer Science and Engineering**  
(Put a tick mark in appropriate place)

**Name** : \_\_\_\_\_

**Date of Birth** : \_\_\_\_\_

**Gender** : \_\_\_\_\_

**Phone/Mobile** : \_\_\_\_\_

**Email** : \_\_\_\_\_

Paste Recent  
Passport Size  
Photo

**Address for Communication:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Educational Qualification:**

<b>Year of passing</b>	<b>Qualification</b>	<b>Specialization or Subjects</b>	<b>School / College / University / Institute</b>	<b>Total marks %/ CGPA</b>	<b>Any other relevant information</b>
	HSC / 10 <sup>th</sup> / _____				
	SSC / 12 <sup>th</sup> / _____				
	Graduation				
	Post graduation				
	M.Phil/M.Tech				
	Any other				

**Work experience:**

<b>No. of Years</b>	<b>Organization</b>	<b>Designation</b>	<b>Job Responsibilities</b>	<b>Any other Information</b>



**Sambalpur University Institute of Information Technology  
Jyoti Vihar, Burla, Odisha, India 768019**

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**Hobbies / interests:**

**Married:**

**Languages known:**

**Last salary drawn (if any): Gross Rs. \_\_\_\_\_**

**Any other information you would like to provide:**

**Whether Qualified UGC NET:** Yes (JRF / Assistant Professor) / No

**List of Attachments:**

- 1.
- 2.
- 3.
- 4.
- 5.

**Declaration**

I hereby declare that, the details furnished are true to the best of my knowledge and belief.

**Place:**

**Date:**

**(Signature)**