

nist SUMMER RESEARCH INTERNSHIPS & FELLOWSHIPS 2018

Research Labs @ NIST

- ❖ Radiation Meas. Lab
- ❖ Device Fabrication Lab
- ❖ RT Lab
- ❖ CADENCE Lab
- ❖ Microwave Meas. Lab
- ❖ LTE Lab & WiMax Lab
- ❖ VLSI Design Lab
- ❖ Embedded System Lab
- ❖ Optoelectronics Lab
- ❖ IBM Lab
- ❖ HPC and Cloud Computing Lab
- ❖ Open System Programming Lab
- ❖ Design and Simulation Lab
- ❖ Software Testing Lab
- ❖ Nano Science & Technology Lab
- ❖ Multimedia and Animation Lab
- ❖ Antenna Fabrication Lab
- ❖ 3G/4G Communication Lab
- ❖ Robotics Lab
- ❖ WSN Lab
- ❖ COE in Data Science
- ❖ COE in Computer Vision & Network Security
- ❖ COE Renewable Energy
- ❖ COE in Mechatronics
- ❖ COE in Labview Academy
- ❖ Industrial Control & Automation Lab
- ❖ Centre of excellence for CAD/CAM
- ❖ Materials characterization lab
- ❖ Refrigeration & AC lab
- ❖ Wind Tunnel Lab
- ❖ Internet of Things Lab
- ❖ Multiscale Modelling lab
- ❖ Structural Engineering Lab
- ❖ Geotechnical Engineering Lab

Applications are invited from highly motivated, talented eligible B.Tech/M.Tech/MCA/M.Sc students and faculty of Engineering Institutes of India for Summer Research Fellowships (for Faculty) and Summer Research Internships (for Students). The aim of the program is to facilitate talented student interns/faculty to work under the guidance of highly experienced research professors resulting in R & D publications, Term Papers, innovative B.Tech Projects, PhD Topics, etc.

Research Areas: Embedded Systems, Wireless Communications, Sensor Networks, VLSI Design, Nanotechnology, Solar cells, Semiconductors Devices, High Performance Computing, Cloud Computing, Parallel Processing, Cryptography and Network Security, Computer Vision, Graph Mining, Fault Diagnosis in WSN, Low Power FPGA Design, Quantum Semiconductor devices and materials, Controller design of various dynamical systems, Fiber Optics, Virtual Instrumentation, Simulation Studies, Robotics, Fluid flow, Heat and Mass Transfer, CFD, Organic Synthesis, Computer Vision, Network Security, Solar Cell, Renewable Energy.

Eligibility: For Students: Final Year/Pre-Final year B.Tech/M.Tech/MCA/M.Sc, For Faculty: M.Tech or Ph.D degree

Duration: 2 months (starting date 15th May, 2018)

Stipend: Rs. 5000/- per month. To-and-Fro Travel Expenses Reimbursed

How to Apply: Online application forms will be available in the website www.nist.edu/nsrif2018 till March 31, 18.

1. Log on to official website at www.nist.edu/nsrif2018.
2. Fill up the application form with your personal, educational details.
3. Upload your documents, certificates as per instructions.
4. Submit the application form online on completion of filling up all particulars.
5. Save and take printout your Application for Registration Number and future reference.

Attachments: Application should include

- ◆ Photograph: Passport photograph and scan signature must be in JPG format size of less than 200kb.
- ◆ No Objection Certificate from the parent institution in PDF format (size of less than 200kb).
- ◆ Identity Card: Must be in PDF format (size of less than 200kb).
- ◆ Mark/Grade sheets starting from Matriculation onwards: Must be in PDF format (size of less than 200kb).
- ◆ Scan copy of the Recommendation letter in PDF format (size of less than 200kb).

Other Information:

- ◆ After selection, a hard copy of the application form along with the requisite documents signed by the student should be submitted at the time of joining the internship in the respective Schools of the Institute.

Prof. M. Reza (**Summer Internship Coordinator**)

National Institute of Science & Technology

Palur Hills, Berhampur, Odisha PIN: 761008

Phone: 0680-2492421/422, Fax: 0680-2492627

Email: nsrif@nist.edu, Mob : 07873049059



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Deadline: Applications will be received until 17:00 hours on 31st March, 2018.

Decision: List of fellows and their supervisors will be announced in the website by 15th April 2018.

Research Mentors :

- ☞ Prof. Sangram Mudali, M.S, University of Houston (USA); B.Tech IIT Kanpur
- ☞ Prof. Geetika Mudali, MS (NJIT), USA, B.Tech (Osmania)
- ☞ Prof. Ajit K. Panda, Ph. D. (SU) BOYSCAST Fellow (USA), Associate Fellow (ICTP, Italy)
- ☞ Prof. Ashok Das, Ph. D. (Uni. Southern California, USA), B. Tech. (IITK)
- ☞ Prof. Trinath Sahu, Ph. D., ex-Prof. of BU
- ☞ Prof. Rankanidhi Sahu, Ph. D., ex-Prof. of BU
- ☞ Prof. Mrinal Das, (JU, Kolkata)
- ☞ Prof. Mihir Hota, Ph. D. (BU)
- ☞ Prof. Manabendra Patra, Ph. D. (S U)
- ☞ Prof. Bhawani Shankar Patnaik
- ☞ Prof. Shom Prasad Das, Ph. D. (BPUT)
- ☞ Prof. Satya Sopan Mahato, Ph. D. (IITKGP)
- ☞ Prof. Duryodhan Sahu, Ph. D. (Taiwan)
- ☞ Prof. Abhiro Mukherjee, M. S. (France), Ph. D.
- ☞ Prof. Pradyumna K Patra, Ph. D. (NITTR)
- ☞ Prof. Ranjan Kumar Padhy, Ph. D. (BU)
- ☞ Prof. K. Hemant K Reddy, Ph. D. (BU)
- ☞ Prof. Debasish Panda, Ph. D. (IITKGP)
- ☞ Prof. Palash Das, Ph. D. (IITKGP)
- ☞ Prof. Sandipan Mallick, Ph. D. (IITKGP)
- ☞ Prof. Ajay K. Bhurjee, Ph. D. (IITKGP)
- ☞ Prof. Ch. Murthy, Ph. D. (BIT Mesra)
- ☞ Prof. Santosh K. Patnaik, Ph. D. (IITKGP)
- ☞ Prof. Satya Ranjan Patnaik, Ph. D. (SU)
- ☞ Prof. Santanu Pradhan, Ph. D. (NIT, RKL)
- ☞ Prof. Basanta Sahu, Ph. D. (NIT, RKL)
- ☞ Prof. Himansu Sekhar Pradhan, Ph. D. (IIT BBSR)
- ☞ Prof. Rajendra Ku. Khadanga, Ph. D. (NIT RKL)
- ☞ Prof. Susmita Kar, Ph. D. (IIT, BBSR)
- ☞ Prof. Bibekananda Bira, Ph. D. (NIT RKL)
- ☞ Prof. Santosh Ku. Panda, Ph. D. (IIT Madras)
- ☞ Prof. Sushanta Ku. Sahu, Ph. D. (NIT RKL)
- ☞ Prof. B Sambu Reddy, Ph. D. (NIT RKL)
- ☞ Prof. Deepanjali Mishra, Ph. D. (BU)
- ☞ Prof. Sahadeb Kulli, Ph. D. (Jadavpur Uni)
- ☞ Prof. Saurabh Dewangan, Ph. D. (IIT Dhanbad)
- ☞ Prof. P. Dinakar, Ph. D. (Andhra University)
- ☞ Prof. Prashant Kumar Singh, Ph. D. (BIT Mesra)
- ☞ Prof. Rajendra Kharanga, Ph. D. (NIT RKL)
- ☞ Prof. Rajesh Kumar Patjoshi, Ph. D. (NIT RKL)
- ☞ Prof. Rima Sahani, Ph. D. (NIT Rourkela)
- ☞ Prof. Shrabani Mahata, Ph. D. (NIT Durgapur)
- ☞ Prof. Tapas Ku Mishra, Ph. D. (IIT Dhanbad)
- ☞ Prof. Sudhakar Das, Ph. D. (BPUT, Rourella)
- ☞ Prof. Asit Panda Ph. D. (KIIT Uni)
- ☞ Prof. Mrutyunjaya Mangaraj, Ph. D. (NIT RKL)
- ☞ Prof. Motahar Reza, Ph. D. (IITKGP), BOYSCAST Fellow (Germany)

For complete list visit www.nist.edu/nsrif2018