

## 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 or Pre-Final year B.Tech/M.Tech/MCA/M.Sc, For Faculty: Minimum M.Tech or Ph.D degree

**Duration:** 2 months (starting date 15th May, 2017)

**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/nsrif2017](http://www.nist.edu/nsrif2017) till Tuesday, March 31, 2017. After submitting the online application form, a preview copy will be generated, which must be printed and forwarded by the respective Head of the Department. Then this printed copy of the application along with following enclosures must be sent by speed post or courier to The Coordinator. The registration number assigned soon after online submission must be quoted in the hard copy of the application.

### She/He should submit the following:

- ☞ Application form
- ☞ Attach XEROX Copies of all academic mark-sheets(Class X Onwards) /semester grade cards
- ☞ No Objection Certificate from the parent institution stating the starting and ending dates for carrying out full time research work at NIST, Berhampur under the fellowship programme.
- ☞ One photograph (Passport size), pasted on the application form.
- ☞ One reference letter in a sealed envelope.

**Where to submit:** A hard copy of the application submitted online together with enclosures must be sent by speed post or courier to the address given below.

**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**

NIST is a DSIR, Government of India, certified and recognized R & D Center. NIST is the only TIFAC CORE Center of India funded by Department of Science & Technology in 3G/4G Communication Technologies.

**Deadline:** Applications will be received until 17:00 hours on 31<sup>st</sup> March, 2017.

**Decision:** List of fellows and their supervisors will be announced in the website by 15<sup>th</sup> April 2017.

## 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. P. Kabisatapathy, Ph. D. (IIT KGP), ex-Professor of CET, BBSR.
- ☞ Prof. Trinath Sahu, Ph. D., ex-Professor of Berhampur Uni
- ☞ Prof. Mihir Hota, Ph. D. (BU)
- ☞ Prof. Prabhat K Sahu, Ph. D. (Taiwan), Humboldt Fellow (Germany)
- ☞ Prof. Manabendra Patra, Ph. D. (S U)
- ☞ Prof. Bhawani Shankar Patnaik
- ☞ Prof. Shom Prasad Das
- ☞ Prof. Satya Sopan Mahato, Ph. D. (IITKGP)
- ☞ Prof. Duryodhan Sahu, Ph. D. (Taiwan)
- ☞ Prof. Abhro Mukherjee, M. S. (France), Ph. D.
- ☞ Prof. Pradyumna K Patra, Ph. D. (NITTR)
- ☞ Prof. P. S. Rama Sreekanth, Ph. D. (IITG)
- ☞ Prof. Ranjan Kumar Padhy, Ph. D. (BU)
- ☞ Prof. K. Hemant K Reddy, Ph. D. (BU)
- ☞ Prof. Jatindra Kumar Dash, Ph. D. (IITKGP)
- ☞ 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. Pradeep K Sahu, Ph. D. (NIT, RKL)
- ☞ Prof. Himansu Sekhar Pradhan, Ph. D. (IIT BBSR)
- ☞ Prof. O P Suresh, Ph. D. (NIT RKL)
- ☞ Prof. Rajendra Ku. Khadanga, Ph. D. (NIT RKL)
- ☞ Prof. Susmita Kar, Ph. D. (NIT Rourkela)
- ☞ Prof. Bibekananda Bira, Ph. D. (NIT RKL)
- ☞ Prof. Sambit Ku. Mohapatra, Ph. D. (NIT RKL)
- ☞ Prof. Santosh Ku. Panda, Ph. D. (IIT Madras)
- ☞ Prof. Souren Mishra, Ph. D. (IISc)
- ☞ Prof. Sushanta Ku. Sahu, Ph. D. (NIT RKL)
- ☞ Prof. Vijay Kumar Singh, Ph. D. (NIT RKL)
- ☞ Prof. B Sambu Reddy, Ph. D. (NIT RKL)
- ☞ Prof. Deepanjali Mishra, Ph. D. (BU)
- ☞ Prof. Sahadeb Kuili, Ph. D. (Jadavpur Uni)
- ☞ Prof. Saurabh Dewangan, Ph. D. (ISM Dhanbad)
- ☞ Prof. Motahar Reza, Ph. D. (IITKGP), BOYSCAST Fellow (Germany)

For complete list visit [www.nist.edu](http://www.nist.edu)

