

# COURSE BROCHURE



## GLOBAL INITIATIVE OF ACADEMIC NETWORKS



An Initiative of, Ministry of Human  
resource Development  
(MHRD), Government of India

***(SEPTEMBER 11 - SEPTEMBER 15, 2017)***

ON

***“Design and Characterization of Electrical and Micro-  
Structural Features of Oxide Ceramics for Applications”***

Course Coordinator:

Dr. Dev Kumar Mahato

***Department of Physics  
National Institute of Technology,  
Patna, Bihar, INDIA***

International Boundary  
State Boundary  
Rivers  
● Major Cities on Course

## ABOUT GIAN:

### Overview:

This, Global Initiative for Academic Network (GIAN) program, approved by Union Cabinet in Higher Education. This program aimed to get collaborate and tapping the talent pool of Scientist and Entrepreneur Internationally to encourage their engagement with/ within the institutes of higher Education in India so as to augment the country's existing academic resources, accelerate the pace of quality reform, and elevate India's scientific and technological capacity to global excellence. In order to (i) gather the best and fruitful international experience into our systems of education, (ii) enable interaction of students and faculty with the best academic and industry experts from all over the world, (iii) share their experiences and expertise to motivate people to work on Indian problems, there is a need for a Scheme of International Summer and Winter Term.

### ➤ About The Institute:

National Institute of Technology Patna is the 18th National Institute of Technology created by the Ministry of H.R.D. Government of India after rechristening the erstwhile Bihar College of Engineering Patna on 28. 01. 2004. NIT Patna marked its humble beginning in 1886 with the establishment of pleaders survey training school which was subsequently promoted of Bihar College of Engineering Patna in 1924. This made this institute the 6th Oldest Engineering Institute of India The graduate level curriculum was later elevated to the post graduate level in 1978. The institute is situated on the south bank of holy river Ganges behind Gandhi Ghat, one of the most important and reverential place of Patna. The Gandhi Ghat is associated with the immersion of ashes of father of the Nation Mahatma Gandhi in the river Ganges. National Institute of Technology Patna has been declared as an Institute of National Importance and has been granted a fully Autonomous Status by MHRD, Government of India. The Institute has also been declared as a Centre of Excellence of impart high level education training, research and development in science, engineering technology and humanities. It is imparting high quality education & values at UG (B.Tech), PG (M.Tech) & Ph .D programmes through its experienced faculty well versed in their respective field of engineering and technology with well-equipped laboratories. At present the Institute has seven disciplines viz. Architecture, Civil Engineering, Compute Science & Engg., Electrical Engg., Electronics & Communication Engg., Information Technology and Mechanical Engg., and well established departments of physics, Mathematics and Humanities and Social Science.

### ➤ About The Department:

The Department of Physics was established in 1924 and since then has been functioning as an important part of the institute. As of now, the Department has eight faculty members and four support staffs at different levels. At present, there are 12 students enrolled in Integrated M. Sc. And 8 students enrolled in the Ph. D. program. The Department is mentored by Prof. K.L. Chopra, Ex-Director, IIT Kharagpur.

### ➤ Fees Details:

Students/Research Scholars	Rs.1000/-
Faculty/Staff of Academic Institutions :	Rs.2000/-
Industry/Research Personnel:	Rs.3000/-
Participants from abroad:	US \$200/-

Students/Research Scholars:(Bonafied letter is required from the head of the Department/ Institute)



➤ **Eligibility:**

- Executives, Scientists, engineers and researchers from Industries, educational Institute and R & D laboratories.
- Students at all levels (B.Tech/M.Sc/M.Tech/PhD) or Faculty from reputed academic institutions and technical institutions.

➤ **Reaching NIT Patna:**

The Institute campus is 8 Km from the Patna junction railway station and 20 Km from the Jai Prakash Narayan International Airport, Patna. The entrance to the institute is from Ashok Rajpath and it is about 3Km from the famous Gandhi Maidan.

➤ **Registration Process:**

➤ **The Faculty**



**Doctor *habilitatus* Andrzej Molak** works as professor's assistant in the Institute of Physics of University of Silesia, Poland. His research includes determination of features of structural transitions between phases showing para-, ferro-, and antiferroelectric order affected by defects; determination of compositional non-homogeneity influence on metal-insulator type phase transitions in the in  $ABO_3$  structure perovskites. He studies effects of structural disorder induced by manganese doping ions and oxygen defects on dispersion of electric permittivity and electric conduction in crystals and ceramics of double oxides materials.



**Dr. Dev Kumar Mahato** is an Assistant Professor of National Institute of Technology, Patna. His research interest is nano- and bulk-complex perovskite materials and nano-ferrites. The composites forming multiferroic structures are under current research.

➤ **For more Details Please Contact the Person:**

Dr. Dev Kumar Mahato  
Asst. Prof. Department of Physics  
NIT, Patna- 800005  
Bihar, INDIA  
**Ph: - +91-9771024584/9431668774**  
**E-Mail:- [devk@nitp.ac.in](mailto:devk@nitp.ac.in)**





➤ **Web Links :**

- 1) [http:// www.nitp.ac.in](http://www.nitp.ac.in)
- 2) [www.gian.iitkgp.ac.in](http://www.gian.iitkgp.ac.in)
- 3) Overview of lectures will be available in [http:// www.nitp.ac.in](http://www.nitp.ac.in)



**VENUE:**

**Dept. of Physics, NIT Patna, Bihar, India, 800005**

[http:// www.nitp.ac.in](http://www.nitp.ac.in)

	International Boundary
	State Boundary
	Rivers
	Major Cities on Course

**REGISTRATION FORM**

Name: .....

Designation: .....

Address  
(Office): .....

.....  
.....

Phone: .....

E-mail (compulsory): .....

Male/ Female: .....

Highest academic qualification: .....

Accommodation Required (Y/N): .....

Online Ref.: A/c No. 50399114681; IFSC: ALLA0212286; Allahabad Bank NIT Patna  
Campus Branch.

No..... Date.....

Amounting Rs.....drawn on.....Bank.

Signature of the candidate with date:

.....

**Recommended and forwarded**

Date:

Signature and Seal of the Head of the Organization.

