

Faculty Development Program (FDP)

On

**ICT in Advanced Teaching and Learning for
Academicians: A Gateway to Technical
Excellence**

Under the banner of
Electronics and ICT Academy, NIT Patna



In association with



KNIT Sultanpur, U.P.

From

26 - 30, March 2019

at

KNIT Sultanpur, Uttar Pradesh

Chief Patron

Prof. P. K. Jain

Director, NIT, Patna

Patron

Prof. J. P. Pandey

Director, KNIT, Sultanpur

Coordinator (NIT Patna)

Dr. B. Gupta

Coordinator (KNIT Sultanpur)

Prof. K. S. Verma

Co-Coordinator (KNIT Sultanpur)

Dr. Anil Kumar

Jointly Organized

By

Electronics and ICT Academy, NIT Patna

&

Dept. of Electrical Engineering, KNIT Sultanpur

Technical Program Coordinator (NIT Patna)

Dr. Ram Gopal

About NIT Patna

National Institute of Technology Patna is the 18th **National Institute of Technology** created by the Ministry of H.R.D. The government of India after rechristening the erstwhile Bihar College of Engineering Patna on 28.01.2004. The Institute is situated on the south bank of holy river Ganges behind Gandhi Ghat (where the ash of father of the Nation, Mahatma Gandhi was offered in the river Ganges). The Institute imparts high-level education training, research and development in science, engineering technology and humanities along with high-quality education and values at UG, PG and PhD level. At present, the Institute offers courses in six major technical disciplines viz. Architecture, Civil Engineering, Computer Science & Engg., Electrical Engg., Electronics & Communication Engg. and Mechanical Engg. It also consists of well-established departments of Physics, Chemistry, Mathematics and Humanities and Social Sciences.

About KNIT Sultanpur

Established in the year 1976, **Kamla Nehru Institute of Technology, Sultanpur** is one of the leading technical institutions of the region and is responsible for producing top-grade engineers with skill sets comparable with the best in the world. It also renders the testing and consultancy services to the neighbouring industries and various other agencies. This is presently an autonomous government engineering institute (under 2f and 12B of UGC Act) and affiliated to Dr A. P. J. Abdul Kalam Technical University, Lucknow, India.

The institute offers B. Tech. and M. Tech. courses in Civil, Electrical, and Mechanical, Electronics, Computer Science & Engineering and Information Technology

disciplines in addition to M.C.A. course as well. Moreover, it offers Ph. D. in the aforesaid disciplines and also in Applied Science and Humanities.

Electronics and ICT Academy

Ministry of Electronics and Information Technology, Government of India has instituted seven Electronics and Information & Communications Technology (ICT) Academies of which, the Academy of NIT Patna is one. The Academy at NIT Patna aims to design and organize basic as well as specialized training programmed in niche areas of electronics and ICT for the development of required knowledge base, skills and tools to equip the teaching community with better knowledge and understanding.

Objective and Scope

The FDP covers the introductory and advanced tools of teaching and learning techniques using ICT tools for overall improvement of faculty and students. Technology, in one form or another, has always been part of the teaching and learning environment. It is part of the teacher's professional toolbox. In other words, it is among the resources that teachers use to help facilitate student learning. Online education continues to grow and is playing an increasingly significant role in the current scenario for fast and rapid transfer of information and technology over the globe.

Successfully integrating technology into the classroom takes careful planning and preparation. Knowing important tools and its uses, which are available to facilitate teaching-learning, are the primary objective of this FDP. Hands-on practice of different tools and technologies with their efficacy are another goal of this FDP.

Topics to be covered in the Program

- ICT in Teaching and Learning
- Use of referencing software such as Mendeley, EndNote and Zotero.
- The elementary concept of writing, formatting and referencing articles and manuscript on MS Word as well as LATEX and Overleaf.
- Use of Grammarly plugin in MS Word for auto-correction of word, syntax and grammar.

- Explore the benefits of the digital classroom and encourage 21st-century work habits.
- Application of G-suite education such as Google classroom, Google site, Google docs and sheets, Google Hangouts on Air and YouTube with hand on practice.
- Hands-on practice of TeamViewer, Zoho, Zoom and Skype for on-air teaching and learning

Outcomes:

At the end of this course, the participant shall be able to:

- Understand all the basic tools of MS word for writing, formatting and referencing.
- Manuscript formatting and referencing by using reference management software for changing one journal format to another in just a click.
- Use of technology in the classroom.
- Expand access to help and learning.
- Have paperless classrooms.
- Save time in communicating.
- Organizing activity for yourself and others.
- Bring meetings online.
- Bring students to work online.
- The measure, understand and share the student's growth.
- Teach student skill online.
- Built interactive lessons.
- Captivate your class with video.
- Facilitate group work.

Resource Persons

1. Prof. K. S. Verma, KNIT Sultanpur, (U.P.)
2. Prof. Deependra Singh, KNIT Sultanpur, (U.P.)
3. Dr. Rajesh Singh, MMMUT, Gorakhpur (U.P.)
4. Dr. Y K Chauhan, KNIT Sultanpur, (U.P.)
5. Dr. Anil Kumar, KNIT Sultanpur, (U.P.)
6. Dr. Virendra Kumar, KNIT Sultanpur (U.P.)

Who Can Participate

Industry personals, Faculty members of UGC/AICTE recognized Universities and Engineering colleges all over India, Research scholars, M. Tech. final year students, however, there is a very limited number of seats for PhD/PG students; priority will be given to PhD students.

Registration Fee

- Faculty Members: Rs 1500/-
- PG Students/ Research scholars: Rs 500/-
- Industry Personnel: Rs 2500/-

Registration fee includes Registration kit, Tea and Snacks and a Course Completion Certificate. The nominal charge of hospitality (lodging and food) will be borne by participants, which is arranged by organizers on prior request. The certificate will be given by **Electronics & ICT Academy NIT Patna.**

Registration Process

1. The registration form should accompany a single demand draft as applicable, which should be drawn in favour of "The Director, NIT Patna" payable at Patna. Online payment can also be made :
Account Name: NIT Patna,
Account no: 50380476798,
IFSC Code:ALLA0212286
2. The form must be filled properly, duly signed endorsed by the competent authority and can be scanned and mailed to us at the address knitfdp@gmail.com
3. Selection will be made purely on a First-Come-First-Serve basis (Subject to fulfilling the eligibility criteria).
4. The brochure and the registration form may be downloaded from the Institute website <http://www.nitp.ac.in/ict> and www.knit.ac.in

Last date of submission of application with registration fee is: 10:00 AM of 26th March 2019. The organisers will have rights to acceptance/rejection application form depending on seats availability.

Address for Correspondence

The enquiry should be addressed to:

Prof. K.S. Verma
Dept. of Electrical Engineering,
KNIT Sultanpur
Mob. No.: +919415610987
Email: ksv211@rediffmail.com
Website: www.knit.ac.in

Faculty Development Program (FDP)

on

ICT in Advanced Teaching and Learning for Academicians: A Gateway to Technical Excellence

(26th-30th March, 2019)

REGISTRATION FORM

1. Name (block letter):

(a) Gender Male Female
(b) Category Gen OBC SC ST

2. Aadhaar Number:.....

3. Designation

4. Organization:

5. Highest Academic Qualification:

6. Experience (in years):

(a) Teaching:

(b) Industrial:

7. Address for communication:

.....

.....

Pin code: Ph. No.:

Fax No.:

E-mail:

8. Mode of Payment

Through DD

Through NEFT

CASH

9. DD No./NEFT Trn Ref no. :

Date:

Bank Name:.....

Amount:

DECLARATION

I do hereby agree to abide by the rules and regulations of the FDP.

Place:

Date:

.....
Signature of the applicant