

5 DAYS ONLINE
FACULTY DEVELOPMENT PROGRAMME
ON
Capacity Building Programme
On
Research Methods and Effective
Teaching Methodology
(14 -18 DECEMBER 2020)

Organised by



Deptt. of Humanities and Social Sciences
National Institute of Technology Patna
Ashok Rajpath, Patna- 800005, Bihar

Sponsored by



Patron
Prof. P. K. Jain
Director, NIT Patna

Coordinator
Dr. Deepak Kumar Behera
Deptt. of HSS, NIT Patna

About the Institute:

National Institute of Technology Patna is the 18th National Institute of Technology created by the Ministry of Human Resource Development, Government of India after rechristening the erstwhile Bihar College of Engineering, Patna. The Institute has highly qualified faculty of higher caliber in various disciplines. Institute offers B. Tech, M. Tech & Ph.D programmes in respective field of Engineering, Sciences and Technology with well-equipped laboratories. At present the Institute has ten departments, Architecture, Civil Engg., Computer Science & Engg., Electrical Engg., Electronics & Communication Engg., Mechanical Engg., Mathematics, Chemistry, Physics and Sciences & Humanities. 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. The campus has a picturesque river view with historic heritage building presenting a spectacle of architectural delight and natural beauty. The Institute campus is 8 km from the Patna Junction railway station and 15 km from the Jai Prakash Narayan International Airport Patna.

About the Department:

With an interdisciplinary perspective at the heart of its approach, the Department of

Humanities and Social Sciences at NIT Patna provides intellectual and cultural foundations for the study of human relations with society interaction and teaching towards problems solving of the nation in contemporary contexts. The Department, with its diverse expertise offer students in the B. Tech programme courses aimed at developing essential skills in critical thinking and writing along with the knowledge of literature, society, economic value, and philosophies of the mind and body. The Department also offers Doctoral programmes in humanities and social sciences especially in English, Economics, Sociology, and Human resource management besides elective courses for the undergraduate programmes of the institute.

About ATAL:

ATAL is committed for development of quality technical education in the country by initiating various schemes.

Objectives of the Course:

The programme is designed to train and develop professionals in the area of research and effective and innovative teaching methodology so that they can act as 'Resource Persons' in guiding and motivating young students. The objective of the program is (a) to train and develop professionals in the area of research and innovative teaching methods, (b) to build up

the quality of course delivery of participants through pedagogical enhancements to create interest and motivation among students, (c) to learn how to create a strong foundation for value-added collaboration with industry at the academic level. Following Topics are to be covered:

1. Research Method
2. Research Hypothesis: Method, Tools
3. Research Proposal Design
4. Research Ethics
5. Perspective of Effective Teaching
6. Innovation and Modern Teaching
7. Life Skill Development
8. Application of ICT

Course Duration:

14 sessions in 5 days including theories and practical. Each session is of 1:30 hours

Course Outcome:

The programme will promote conceptual clarity of importance of application of innovative scientific teaching techniques amongst participants. It will facilitate insight to different research models and their application in teaching. It will provide an opportunity to be taught by experts and share experiences with co-participants across India.

Who Should Attend?

- Faculty members from universities/institutions.
- Research Scholars and PG Students from all the disciplines
- Participants from Government, Industry and staff of host institutions.

Resource Persons:

- Prof. Rakesh Raman, BHU, Varanasi
- Prof. Y.M Deshpande, VNIT, Nagpur
- Prof. D.M Diwakar, ANSSIS, Patna
- Prof. Om Prakash, NIT Patna
- Prof. Ramakar Jha, NIT Patna
- Dr. Sukant Kumar Naskar, NITTTR, Kolkata
- Dr. Nalin Bharti, IIT Patna
- Dr. Anupam Das, NIT Patna
- Dr. Sukhdev Singh, NIT Patna

Registration:

- **Registration Fee- Nil**
- Programme will be delivered through **online mode.**
- **The participants are advised to apply online at AICTE ATAL registration portal on or before 10th December 2020 through:**
<https://atalacademy.aicte-india.org/signup>
- No TA/DA will be provided.
- Number of participants is limited to 200 (first-come first-served basis).
- Scan copies of completely filled consent form must be sent to dkb@nitp.ac.in on or before 10th December 2020.

Test and Certificate:

- A test shall be conducted by coordinator at the end of the program.
- The certificates shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test

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Consent Form

1. Name: _____
2. Educational Qualification: _____
3. Designation: _____
4. Institution/Organization: _____
5. Correspondence Address: _____
6. E- mail: _____
7. Mobile: _____

Date and Signature

Recent
Passport
Size Photo

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PROGRAM SCHEDULE

Date	1 st Session (10.00 AM – 11.30 PM)	2 nd Session (11.45 PM – 1.15 PM)	3 rd Session (2.30 PM – 4.00 PM)
14/12/2020 (Monday)	<i>INAUGURATION</i> <i>[9.30 AM – 10.00 AM]</i>	Stages in Research Process and Sampling	Research Hypotheses
	Research: Nature & Concept		
15/12/2020 (Tuesday)	Methods and Tools of Data Collection	Research Proposal and Thesis Design	Research Ethics: Plagiarism & Citation
16/12/2020 (Wednesday)	Perspective of Effective Teaching	Outcome Based Learning and Approaches	Innovations in Teaching
17/12/2020 (Thursday)	Effective Teaching Techniques	Modern Teaching Approach	Life Skills Development: Developing Critical and Problem Solving Skill
18/12/2020 (Friday)	Application of ICT	FIT INDIA Movement: Health and Happiness	Feedback and Assessment
		<i>VALEDICTORY</i>	

* A Test will be conducted at the end of the Programme.