

Indian Technical Economic Cooperation (ITEC) training programme

- 1. Programme title:** "Information and Communication Technology (ICT) in Teaching-Learning"
- 2. Duration:** 4th December 2023 to 15th December 2023
- 3. Eligibility criteria for Participants:** Teachers of university, colleges, institutions
- 4. Venue:** National Institute of Technical Teachers' Training and Research, Shamla hills, Bhopal, INDIA
- 5. Rationale:**

In the era of Knowledge-based society, education has assumed an indisputable significant role. The new developments in information technologies have opened-up fresh prospective in teaching and learning. The ICT enabled methods helps the teachers to offer quality e-content; both - education in classroom situation and to a large number of populations in a structured, flexible, interactive, blended, flipped and open way.

This programme on 'ICT in Teaching and Learning' shall enable the teachers' to select and integrate ethically appropriate ICT pedagogy in teaching-Learning processes in Teacher Directed Learning and Learner Directed Learning environment. Explore the emerging trends in Open Educational Resources (OER), Learning Management System (LMS) platforms for developing Small Private Open Learning (SPOCs) and Massive Open Online Learning Courses (MOOCs). Most importantly the teachers shall - fortify the ethical-intellectual property rights, copyright handling, legal, security and software related issues in using ICT. The programme also give emphasis on developing, managing and administering web-based courseware, that can typically be delivered online using a Learning Management System (LMS).

In this training programme, emphasis will be given on hands-on, with sufficient inputs provided by the tutors. Participants are encouraged to "learn by doing," with immediate opportunities to apply the learning to real-world problems. By the end of the course, participants will create a complete web-based courseware that can be offered and managed online using LMS.

In all, this two weeks programme is aimed at building capacity of teachers for transforming the educational culture and teaching-learning system to benefit the learners using ICT.

6. Objectives of The Programme

The participants of this course will be able to:

Integrate ethically appropriate pedagogy of Information and Communication Technology (ICT) into Teaching- Learning Process for a given situation.

3. Major Programme Contents:

Emerging Views of Learning Process for ICT Enabled Learning, Emerging Trends of ICT Enabled Learning, The Teacher Directed Learning, e-pedagogy, Smart Classroom for Content Delivery, Webcast Lecture Delivery, The Learner Directed Learning: Open Educational Resources (OER), Videos and interactive videos tutorials, Virtual Labs, Virtual Reality, Synchronous and asynchronous ICT Tools for Online teaching-learning, augmented reality, Massive Open Online Course(MOOC), Benefits of ICT for teaching- learning activities and educational management, implementation of ICT for online learning, role and functions of e-

tutor in online teaching and learning, ethical- legal, security and other issues in using ICT, Learning Management System (LMS).

4. Major Learning Outcomes:

After completion, the participants of this programme will be able to:

- i). Select an appropriate Information and Communication Technology (ICT) in Teacher Directed Learning (TDL) and Learner Directed Learning (LDL) situation.
- ii). Integrate an appropriate ICT pedagogy into Teaching-Learning Process (Open Educational Resources Video and Interactive video tutorials, Virtual Lab, Virtual Reality, Individualized learning, Massive Open Online Course (MOOC)
- iii). Address the ethical- intellectual property rights /copyright handling, legal, security and other issues related to ICT enabled teaching and learning.
- iv). Develop, Manage & Administer a web-based courseware using a Learning Management System.

5. Instructional Strategies:

- Input-cum-discussion
- Tutorials
- Experience sharing
- Hands on practice
- Classroom Assignments

6. Evaluation scheme: The Participants will be assessed based on their performance in Assignments and final product development.

8. Coordinator:

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9. Faculty Team:

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|-----------------------|----------------------------------|
| i) Dr. Sanjay Agrawal | Professor, NITTTR, Bhopal, INDIA |
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Ministry of External Affairs
DPA II Division
ITEC COURSE PROPOSAL SUMMARY

(duly filled form to be scanned and sent as scanned pdf by email)

1. Administrative details

Course Title	Information and Communication Technology (ICT) in Teaching-Learning		
Stream	ICT		
ITEC Coordinator/ Course Director	Dr. R. K. Kapoor, Professor		
Course Duration:	04 th from December, 2023	End date 15 th December, ; 2023	Weeks- 2
No. of days of training	days =10	learning hrs (approximate) 60	
Accommodation	Hostel	Distance from Campus	within campus
	Name of Hostel; Y. Saran Guest House		
Airport (nearest)	Location:	Bhopal	Distance from campus/ accommodation 11 km
Batch Size	Minimum participation =15		Maximum participation = 25
Study tour	Type of visit	Places to visit (with location)	No. of days
	Educational	ISER/SPA	01
	Cultural/ Heritage	Ujjain/Sanchi	02

2. Financial proposal

S. No.	Fee component	Unit	Per participant cost	Total Cost for all participants
1	Course Fee	per week per participant		
2	Study tour charges	per participant		
3	Other charges (for Project, etc.)	per participant		
4	Accommodation charges (inclusive of taxes) – Hostel / Hotel	per day/night per participant		
5	Airport pick-up and drop charges (inclusive of taxes) – for both ways	per participant		
6	Living allowance	per day per participant		
7	Book allowance	per participant		
8	Valedictory/ inaugural allowance	per participant		
Course Duration (in weeks)			Total estimated expenditure	
Participants (maximum)				

Rate of Living Allowance if fixed under guidelines (@ Rs. 1,500/- per day for upto 12 week long course and @ Rs. 1,200/- per day for courses of longer duration). Ceiling on Book Allowance and Valedictory/ inaugural allowance is also fixed @ Rs. 5,000/- per participant and @ Rs. 300/- per participant respectively.

‘Lump-sum’ fees for online component if any, along with number of learning hours	
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3. Training Schedule: A simple thematic/ day-wise schedule (topics covered) may be attached. Annexure – I is enclosed.

Submitted by:
(sign and stamp of appropriate authority of the Institution)