





# प्रशिक्षण कार्यक्रम TRAINING PROGRAMMES

FOR AICTE APPROVED TECHNICAL INSTITUTES

2023-24



राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान, भोपाल (म.प्र.) शिक्षा मंत्रालय, भारत सरकार

NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING AND RESEARCH, BHOPAL (M.P.)

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

www.nitttrbpl.ac.in



G20 INITIATIVES

SIEMENS
CENTER OF
EXCELLENCE

ADVANCED PEDAGOGY

PM Gatishakti Scheme

INDUCTION PROGRAMME

TLC



# **VISION**

To be the world-class leader for the integrated development of technical education and training systems catering to the changing needs while achieving the highest level of client satisfaction, quality, professional values and contributing to the technological, economic and social development of the country.



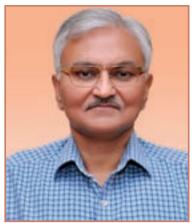
#### NITTTR Bhopal will act as a centre of excellence to:

- Intensify teacher education for improving the quality and performance of technical institutions.
- Make technical education a vibrant learning system for producing competent manpower to steer technological and economic development.
- Provide a wide spectrum of client-driven services and products through various modes.
- Strengthen networking and synergic partnership with technical institutions; industries, field agencies, and premier national and international organizations.
- Promote creativity, innovations, research and development, professional management practices, concept of learning organization, benchmarking and economics of education amongst client systems.
- Enthuse the spirit of professionalism, values and work ethics, networking and partnership with industry and other organizations and technical institutions.



# **DIRECTOR'S MESSAGE**

Established in 1965, NITTTR Bhopal, envisions to be a unique institution for comprehensive development of technical education and training systems. With a mission to be the change agent, over the years, it has fostered the innovations and reforms in the technical education system through training programmes, research & various developmental activities. In the context of National Education Policy 2020, the NITTTR, Bhopal is intensively working to design and implement the proposed NEP goals in the whole country. The institute along with its extension centers in the four states namely, Goa, Maharashtra, Gujarat and Chhattisgarh, has already introduced outcome-based interventions for the technical education system in line with global scenario and conducted need-based training programmes for the teachers of the AICTE approved technical institutions of the country.



"Learning to learn is an essential attribute of a teacher."
-Dr. Chandra Charu Tripathi

The training programmes given in this calendar are mainly based on the training need analysis carried out through Regional Consultative Workshop and other strategies, participant's feedback and recent developmental trends in the country. Thrust has been given as per NEP 2020 provisions on interdisciplinary courses and introduction of new programmes in multidisciplinary areas in collaboration with various national institutions. In tune with 'PM Gati Shakti Master Plan', few training programmes have been included. Some capacity building programmes under G20 have also been kept. As in earlier years, few programmes for teachers of UGC/AICTE approved institutes are also planned under NITTTR Bhopal- Teaching Learning Centre.

Eleven laboratories under NITTR-Siemens Centre of Excellence (CoE) in "Digitization and Industry 4.0" has been established in the institute. Programmes for UG/PG students such as internship/summer training programmes, inter disciplinary research etc. are planned about which information can be obtained from our Institutes website. Training programmes focused on CoE labs have also been planned this year in the calendar. In addition to the CoE labs, establishment of Centre for Experiencing Learning & Green Energy laboratory is also in the pipeline to provide hands on training to the participants from various Technical Institutions & Universities.

Overall, in the academic year 2023-24, about 300 training programmes, and ten ITEC programmes for international participants are planned. NEP also envisages a minimum 50 hours of Professional Development training Programme(s) to be attended by a faculty member in a year. NITTTR Bhopal also provides tailor-made demand specific chargeable programmes based on mutually agreed proposals.

Apart from the regular calendar programmes, the institute is also offering programmes on Massive Open Online Courses (MOOCs) in the area of technical teacher education, sponsored by MoE, through SWAYAM Platform. All the faculty members of technical institutions are requested to register for these programmes also.

I take this opportunity to solicit cooperation from all the stakeholders of the institute for their active participation to our endeavor of repositioning ourselves successfully in the global arena. Working together as a synergic team, let's contribute with fervor to the cause of quality improvement and ushering a new horizon in technical education system.

My best wishes for an abundance of learning opportunities and joyful experiences ahead.

# **ABBREVIATIONS USED**

AP	Advanced Pedagogy
CG	Chhattisgarh
CLB	Collaborative Training Programme
CoE	Centre of Excellence
DASE	Department of Applied Science Education
DCDAE	Department of Curriculum Development and Assessment Education
DCEEE	Department of Civil and Environmental Engineering Education
DCSEE	Department of Computer Science and Engineering Education
DEEEE	Department of Electrical and Electronics Engineering Education
DMEE	Department of Mechanical Engineering Education
DMgE	Department of Management Education
DMRDE	Department of Media Research and Development Education
DTVER	Department of Technical and Vocational Education and Research
EC	Extension Centre
ET	Emerging Technologies
GOA	Goa
GUJ	Gujarat
HW	Hindi Workshop
IP	Induction Programme
ITEC	Indian Technical and Economic Cooperation
МН	Maharashtra
MOOC	Massive Open Online Courses
MP	Madhya Pradesh
NBA	National Board of Accreditation
NEP	National Education Policy
OBE	Outcome-Based Education
PDP	Professional Development Programme
PMGS	PM Gati Shakti
SS	Supporting Staff
SWAYAM	Study Webs of Active-Learning for Young Aspiring Minds
TLC	Teaching Learning Centre

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## **GENERAL GUIDELINES**

#### A. INSTRUCTIONS TO THE PARTICIPANTS

- 1. The training programmes in Contact & Online Mode scheduled at NITTR, Bhopal are open for participants across the country unless otherwise specified.
- 2.The training programmes scheduled at other specific locations are State specific and open only for respective State participants.
- 3.In the training programme calendar, the target group is specified for each programme. Participants are requested to go through the target group for ensuring their eligibility for the programme. For example, Target Group 'Faculty of all disciplines' means Faculty from the Engineering, Science and Humanities programmes working in AICTE approved Technical Institutions like Engineering Colleges, Polytechnic Institutes, Pharmacy Institutes, Management Institutes including Universities offering above mentioned programmes.
- 4.All the participants are requested to register online through the link provided on the official website of NITTTR, Bhopal (www.nitttrbpl.ac.in) only after obtaining permission from their competent authority. Participants are advised to ensure their eligibility for the programme before the registration and payment of the registration fee.
- 5. Participants are advised to go through the section on guidelines for online registration. If online registration facility is not available/difficult to access, participants may contact the training programme coordinator through e-mail. The e-mail address of all the NITTR, faculty members is given in the training programme calendar.
- 6.DTE-sponsored participants also need to complete the online registration and payment of registration fee after ensuring their eligibility for the programme. (Refer to guidelines for online registration).
- 7. The registration link will be closed 3 days before the commencement of the programme.
- 8. Programme coordinator will send the confirmation to the individual participants based on their eligibility. Only the confirmed participants will be allowed to attend the training programme.
- 9. The participants are expected to submit the relieving certificate issued by their competent authority to the Programme Coordinator on the first day of the programme failing which they will not be allowed to attend the programme.

#### **B. REGISTRATION FEE AND OTHER CHARGES**

#### B1. For AICTE approved Govt./Govt. aided Technical Institutions:

Fees and other Charges	Contact Mode	Online Mode
Registration Fee	Rs. 100+18% GST (per participant per programme)	Rs. 100+18% GST (per participant per programme)
Boarding/ Lodging at NITTTR, Bhopal	Accommodation (on twin sharing basis) & food will be provided free of cost by the institute.	NA
TA	Reimbursable as per eligibility and applicable norms of NITTTR, Bhopal	NA

#### **B2. AICTE-approved self-financing Technical Institutions:**

Fees and other Charges	Contact Mode	Online Mode
Registration Fee	Rs. 100 + 18% GST (per participant per programme)	Rs. 100 + 18% GST (per participant per programme)
Boarding/ Lodging at NITTTR, Bhopal	Accommodation (on twin sharing basis) will be charged @ Rs 200.00 per day per participant. Food will be charged on an actual cost basis as per institute norms.	NA
TA	Not Reimbursable	NA

- 1.For Bhopal-based programmes, depending upon the availability, the boarding arrangements will be made at any of the guest houses or hostels in the Institute campus.
- 2. Boarding facilities will be provided on "twin sharing basis" and on "first come first serve" basis after verifying photo ID. Participants need to mutually ensure that inconvenience is not caused to roommates. Family members of participants are not allowed to stay in the Guest House. Special cases will be processed as per the instruction given below.
- 3. Participants having very genuine reasons for accommodating family members to stay in the guest house need to take prior permission from the Director, NITTTR, Bhopal. Participants should give justified reasons in the application to the Director, by post/e-mail (director@nitttrbpl.ac.in). A copy should be given to the programme coordinator and to the competent authority of her/his institution. Payment for the additional occupant will be charged as per NITTTR, Bhopal norms. The additional occupant also needs to produce a photo ID.
- 4.Out of the four Extension Centres (EC) of NITTTR, Bhopal located at Ahmedabad, Goa, Pune & Raipur, accommodation facility is available only at EC Ahmedabad for the faculty from Govt./Govt. aided Technical Institutions.Participants of the programmes scheduled at EC Ahmedabad need to contact EC Coordinator for accommodation confirmation and food facility. Participants of the programme scheduled at other ECs are requested to make their arrangements for stay & food.

#### C. GUIDELINES FOR ONLINE REGISTRATION

- 1.Participants are required to login into the POC (Programme Organization Cell) registration portal through the hyperlink provided in official website (www.nitttrbpl.ac.in) of NITTTR, Bhopal.
- 2. For login into the POC registration portal:
  - a.Participants need to sign up the online POC system using their email ID and mobile number.
  - b. After sign-up, each participant will be provided a login ID and password by the administrator.
  - c.Participants can login into the POC registration portal using the login ID and password, provided by the administrator.
- 3. Online registration is mandatory for attending the training programme.
- 4. Participants can register online for the training programme as per their eligibility. Participants need to pay the registration fee (Rs. 118/- including 18% GST) using online payment system at the time of registration.

- 5. The registration fee is non-refundable. Hence, participants are advised to check their eligibility for the training programme before paying the registration fee.
- 6. After registering in the training programme, programme coordinator will send the confirmation to all eligible participants based on their eligibility.
- 7.The registration link will be closed 3 days before commencement date of the programme.

#### D. ATTENDANCE

- 1. Participation in the training programme is on confirmation basis. Hence, the participant who has not been confirmed by the Coordinator/Competent authority of NITTTR, Bhopal will not be allowed to attend the programme.
- 2.Participants are required to report on the first day of the programme at 9.30 AM at NITTTR, Bhopal Programme Organization Cell (POC) or at the respective training venue for the programme.
- 3.For the Online training programme, the participants are required to report on the first day of the programme at 9.30 AM by joining the online programme link shared by the programme coordinator.
- 4. The confirmed participants are required to attend classes from 9.30 AM to 6.00 PM every day of the programme. No leave is permissible during the training programme, except in the cases of emergency, with submission of evidence of reason. However, it is expected that participants taking leave for emergency reasons should not remain absent for more than half day in the one-week programme and one day in two weeks programmes.
- 5. The participants will be relieved only on the last day of the programme at 6.00 PM. If participants do not attend the full programme, neither the certificate nor TA/DA will be paid to them. Participants are requested to provide online feedback in the form provided by NITTTR, Bhopal regarding the quality of the training programme.
- 6. For attending Induction Phase-II programme, successful completion of Induction Phase-I, conducted by NITTTR, Bhopal is compulsory.

#### E. AWARD OF CERTIFICATE

- 1. Award of certificate is subject to satisfactory performance of participants with respect to academic participation, assignments, presentations, achievement test, attendance etc. during the training programme.
- 2.100% attendance during all the days of the training and achievement of minimum 60% marks in the assessment scheme is expected from the participants. The certificate will be issued to only those participants who will sincerely and punctually attend the programme.
- 3.For issuing of the certificate, participants need to obtain a minimum 'B' grade i.e. 60% percentage marks.

#### ASSESSMENT SCHEME FOR ISSUING CERTIFICATE OF ACHIEVEMENT

S. No.	Assessment Criteria	Weightage/Marks
1.	Output of Assignments, Academic Activities, Presentation, Ability Demonstration etc.	50%
2.	Achievement Test	50%

Percentage Marks to Grade Conversion Guideline:

80-100%: A grade; 60-79%: B grade; 40- 59 %: C grade; Below 40 %: D grade

## **CATEGORY-1**



# TRAINING PROGRAMMES ON NEP-2020 THEMES

# CAPACITY BUILDING PROGRAMMES UNDER PM GATI SHAKTI SCHEME





# CAPACITY BUILDING PROGRAMMES UNDER G20 INITIATIVES

# **COLLABORATIVE TRAINING PROGRAMMES**





CENTER OF EXCELLENCE LAB FOCUSED TRAINING PROGRAMMES

## TRAINING PROGRAMMES ON NEP 2020 THEMES

Code	Title	Target Group	Duration	Faculty	Mode	Venue
NEP-1	Orientation for NEP Implementation	Faculty of all disciplines	24-28 Apr-23	ASR/RBS	Online	Ext. Centre, Goa
NEP-2	National Credit Framework and Academic Bank of Credit	Faculty of all disciplines	15-19 May-23	JPT/SA	Contact	NITTTR, Bhopal
NEP-3	Entrepreneurship and Start-ups in the context of NEP 2020	Faculty of all disciplines	19-23 Jun-23	ND/RPK	Online	NITTTR, Bhopal
NEP-4	Curricular and Assessment Reforms in TVET in context of NEP 2020	Faculty of all disciplines	3-7 Jul-23	JPT/AR	Contact	NITTTR, Bhopal
NEP-5	Flexibility in Education in context of NEP 2020	Faculty of all disciplines	17-21 Jul-23	BLG/RKD	Contact	NITTTR, Bhopal
NEP-6	Innovations and Challenges in Curriculum, Pedagogy and Assessment in the context of NEP 2020	Faculty of all disciplines	11-15 Sep-23	AR/RPK	Contact	NITTTR, Bhopal
NEP-7	Multidisciplinary Research with Reference to NEP 2020	Faculty of all disciplines	18-22 Sep-23	PKP/DS	Contact	Ext. Centre, Pune
NEP-8	NEP 2020 - Concepts, Principles and Implementation Challenges	Faculty of all disciplines	6-10 Nov-23	AR/JPT	Contact	NITTTR, Bhopal
NEP-9	NEP 2020 - Emerging Trends in Design, Development, Implementation and Assessment of Holistic and Multidisciplinary Outcome-Based Curriculum	Faculty of all disciplines	20-24 Nov-23	BLG/JPT	Online	NITTTR, Bhopal
NEP-10	Project Management for NEP 2020 Implementation	Faculty of all disciplines	18-22 Dec-23	RP/RKD	Online	NITTTR, Bhopal
NEP-11	Use of ICT for enhancing the Quality of Vocational Education in Higher Education	Faculty of all disciplines	19-23 Feb-24	RPK/RKK	Contact	NITTTR, Bhopal
NEP-12	Indian Knowledge System in the context of NEP 2020	Faculty of all disciplines	18-22 Mar-24	RP/BLG	Contact	NITTTR, Bhopal

# CAPACITY BUILDING PROGRAMMES UNDER PM GATI SHAKTI SCHEME

Code	Title	Target Group	Duration	Faculty	Mode	Venue
PMGS-1	Warehouse Management	Faculty of all disciplines	8-12 May-23	VDP/AKJ/ Expert	Online	NITTTR, Bhopal
PMGS-2	Fleet and Transport Management	Faculty of all disciplines	15-19 May-23	SRY/MCP/ Expert	Online	NITTTR, Bhopal
PMGS-3	Social Media Tools and Graphic Design for Logistic Management	Faculty of all disciplines	17-21 Jul-23	AAK/SSK	Online	NITTTR, Bhopal
PMGS-4	E-content Development for Logistic Management	Faculty of all disciplines	21-25 Aug-23	CM/AAK	Online	NITTTR, Bhopal
PMGS-5	Commercial Aspects of Logistic and Supply Chain Industry	Faculty of all disciplines	18-22 Sep-23	VS/Expert	Online	NITTTR, Bhopal
PMGS-6	Digital Supply Chain	Faculty of all disciplines	9-13 Oct-23	SK/MAR	Online	NITTTR, Bhopal
PMGS-7	Digital Innovations in Technology and Supply Chain Management	Faculty of all disciplines	20-24 Nov-23	HJK/SA	Online	NITTTR, Bhopal
PMGS-8	Transportation and Shipping Logistics Management	Faculty of all disciplines	18-22 Dec-23	SK/RPK	Online	NITTTR, Bhopal
PMGS-9	Air Cargo Handling and Management	Faculty of all disciplines	15-19 Jan-24	ATK/Expert	Online	NITTTR, Bhopal
PMGS-10	Innovations in Supply Chain	Faculty of all disciplines	12-16 Feb-24	AP/Expert	Online	NITTTR, Bhopal
PMGS-11	Humanitarian Supply Chain	Faculty of all disciplines	19-23 Feb-24	DS/HJK/ PKP	Online	NITTTR, Bhopal
PMGS-12	Supply Chain Finance	Faculty of all disciplines	26-Feb- 1 Mar-24	RP/Expert	Online	NITTTR, Bhopal
PMGS-13	Health Care Supply Chain Management	Faculty of all disciplines	11-15 Mar-24	SSM/AR	Online	NITTTR, Bhopal
PMGS-14	E Commerce and Supply Chain	Faculty of all disciplines	18-22 Mar-24	BS/RKK	Online	NITTTR, Bhopal

### CAPACITY BUILDING PROGRAMMES UNDER G20 INITIATIVES

Code	Title	Target Group	Duration	Faculty	Mode	Venue
G20-1	Industry 4.0, Innovation, and 21st Century Skills	Faculty of all disciplines	15-19 May-23	KKJ/RKK	Contact	NITTTR, Bhopal
G20-2	Universal Holistic Health: Cure and Prevention of Disease (Yoga, Ayurveda, Exercise)	Faculty of all disciplines	3-7 Jul-23	MCP/Expert	Contact	NITTTR, Bhopal
G20-3	Clean Energy for a Greener Future	Faculty of all disciplines	17-21 Jul-23	BS/PKP/ Expert	Contact	NITTTR, Bhopal
G20-4	Climate Change and Disaster Risk Reduction: Making Sustainability a Way of Life	Faculty of all disciplines	7-11 Aug-23	AAD/Expert	Contact	NITTTR, Bhopal
G20-5	Connecting Science to Society and Culture	Faculty of all disciplines	9-13 Oct-23	HJK/Expert	Online	NITTTR, Bhopal
G20-6	Disruptive Science for Innovative and Sustainable Development	Faculty of all disciplines	6-10 Nov-23	DS/Expert	Contact	NITTTR, Bhopal

## COLLABORATIVE TRAINING PROGRAMMES

Code	Title	Target Group	Duration	Faculty	Mode	Venue
CLB-1	Additive Manufacturing in Current Industrial Scenario	Faculty of all disciplines	17-21 Apr-23	ND/MANIT Faculty	Contact	NITTTR, Bhopal
CLB-2	Experimental Design and Analysis for Chemical Engineers - A Statistical Perspective	Faculty of Chemical Engineering and allied disciplines	15-19 May- 23	BS/DS/ SVNIT Faculty	Contact	SVNIT, Surat
CLB-3	Non-Destructive Testing and its Engineering Application	Faculty of all disciplines	26-30 Jun-23	ND/SVNIT Faculty	Contact	SVNIT, Surat
CLB-4	Transport Governance and Institutional Framework in Indian Cities	Faculty of Civil Engineering and allied disciplines	11-15 Sep-23	VDP/JPT/ SPA Faculty	Contact	NITTTR, Bhopal
CLB-5	Urban Road Safety and Capacity Improvement Framework	Faculty of Civil Engineering and allied disciplines	9-13 Oct-23	JPT/VDP/ SPA Faculty	Contact	NITTTR, Bhopal
CLB-6	Role of Chemical Engineering in the Healthcare Industry	Faculty of Chemical Engineering and allied disciplines	9-13 Oct-23	BS/SVNIT Faculty	Contact	SVNIT, Surat
CLB-7	Creativity, Innovation and Product Development	Faculty of all disciplines	16-20 Oct-23	JPT/NID Faculty	Contact	NITTTR, Bhopal

Code	Title	Target Group	Duration	Faculty	Mode	Venue
CLB-8	Computer-Assisted Drug Design and Discovery	Faculty of Pharmacy	16-20 Oct-23	BS/RGPV Faculty	Contact	NITTTR, Bhopal
CLB-9	Engineering Management	Faculty of all disciplines	23-27 Oct-23	ND/MANIT Faculty	Contact	NITTTR, Bhopal
CLB-10	Nanotechnology and its Application	Faculty of Engineering and Science disciplines	23-27 Oct-23	HJK/BS/ AMPRI Faculty	Contact	NITTTR, Bhopal
CLB-11	Research Methodology and Quantitative Techniques	Faculty of all disciplines	27 Nov- 1 Dec-24	DS/PKP/ MANIT Faculty	Contact	NITTTR, Bhopal
CLB-12	Hazard Identification and Risk Analysis in Industries	Faculty of all disciplines	4-8 Dec-23	PKP/BS/DMI Faculty	Contact	NITTTR, Bhopal
CLB-13	Instrumentation Techniques in Pharmacy	Faculty of Pharmacy	18-22 Dec-23	BS/RGPV Faculty	Contact	NITTTR, Bhopal
CLB-14	Chemical Disaster and Disaster Management Planning	Faculty of all disciplines	8-12 Jan-24	BS/PKP/DMI Faculty	Contact	NITTTR, Bhopal
CLB-15	Business Opportunities Identification for Enterprise Creation	Faculty of all disciplines	15-19 Jan-24	ND/CEDMAP Faculty	Contact	NITTTR, Bhopal
CLB-16	Synthesis of Nanomaterials	Faculty of Engineering and Science disciplines	5-9 Feb-24	HJK/BS/ IISER Faculty	Contact	NITTTR, Bhopal
CLB-17	Non-Destructive Techniques	Faculty of Engineering and Science disciplines	12-16 Feb-24	HJK/BS/ AMPRI Faculty	Contact	NITTTR, Bhopal
CLB-18	Techno Management in Business & Academic Environment	Faculty of all disciplines	4-8 Mar-24	JPT/NID Faculty	Contact	NITTTR, Bhopal

## CENTER OF EXCELLENCE LAB FOCUSED TRAINING PROGRAMMES

Code	Title	Target Group	Duration	Faculty	Mode	Venue
CoE-1	Automotive Component Design	Faculty of Mechanical Engineering and allied disciplines	10-14 Apr-23	VS/KKJ	Contact	NITTTR, Bhopal
CoE-2	Manufacturing Process	Faculty of Mechanical Engineering and allied disciplines	12-16 Jun-23	AKS/KKJ	Contact	NITTTR, Bhopal
CoE-3	Industrial IoT (IIoT)	Faculty of Engineering & Science disciplines, Programmers and System Analysts	3-7 Jul-23	MAR/Expert	Contact	NITTTR, Bhopal
CoE-4	Welding using Industrial Robot	Faculty of Engineering disciplines	24-28 Jul-23	AKS/Expert	Contact	NITTTR, Bhopal

Code	Title	Target Group	Duration	Faculty	Mode	Venue
CoE-5	CAE For Automotive	Faculty of Mechanical Engineering and allied disciplines	28 Aug- 1 Sep-23	VS/KKJ	Contact	NITTTR, Bhopal
CoE-6	Human and Robot Simulation in Industrial Plant	Faculty of Mechanical Engineering and allied disciplines	16-20 Oct-23	KKJ/VS	Contact	NITTTR, Bhopal
CoE-7	Industrial Drives and Low Voltage Switchgear	Faculty of Electrical Engineering	20-24 Nov-23	CSR/ASW	Contact	NITTTR, Bhopal
CoE-8	Mechatronics	Faculty of Mechanical, Electrical & Electronics Engineering and allied disciplines	29 Jan- 2 Feb-24	VS/SSM	Contact	NITTTR, Bhopal
CoE-9	PLC and SCADA	Faculty of Electrical & Electronics Engineering and allied disciplines	19-23 Feb-24	CSR/AP	Contact	NITTTR, Bhopal
CoE-10	Automation in Manufacturing Industries	Faculty of Mechanical, Electrical & Electronics Engineering and allied disciplines	26 Feb- 1-Mar-24	VS/CSR	Contact	NITTTR, Bhopal
CoE-11	Industrial Sensors and IoT	Faculty of Electrical & Electronics Engineering and allied disciplines	4-8 Mar-24	AP/MAR	Contact	NITTTR, Bhopal

## **CATEGORY-2**



TRAINING PROGRAMMES ON EMERGING TECHNOLOGIES

TRAINING PROGRAMMES ON OUTCOME-BASED EDUCATION





PROFESSIONAL DEVELOPMENT PROGRAMMES ON BUSINESS AND SOFT SKILLS

INDUCTION TRAINING PROGRAMMES





TRAINING PROGRAMMES ON ADVANCED PEDAGOGY

## TRAINING PROGRAMMES ON EMERGING TECHNOLOGIES

Code	Title	Target Group	Duration	Faculty	Mode	Venue
ET-1	Full-stack Development using JAVA and MySQL	Faculty of Engineering & Science disciplines, Programmers and System Analysts	10-14 Apr-23	PNH*/PK*	Contact	NITTTR, Bhopal
ET-2	Process and Product Digitalization	Faculty of Engineering disciplines	24-28 Apr-23	AKS/KKJ	Contact	NITTTR, Bhopal
ET-3	Intellectual Property Rights and IP Management	Faculty of all disciplines	24-28 Apr-23	RP/PKP	Contact	NITTTR, Bhopal
ET-4	Building Information Modelling for Civil Engineers	Faculty of Civil Engineering and allied disciplines	22-26 May-23	MCP/VDP/ Expert	Online	NITTTR, Bhopal
ET-5	Mathematics for Machine Learning	Faculty of Engineering & Science disciplines	3-7 Jul-23	DS/Expert	Contact	NITTTR, Bhopal
ET-6	Digital Manufacturing	Faculty of Engineering disciplines	17-21 Jul-23	KKJ/VS	Contact	NITTTR, Bhopal
ET-7	NABL Standards – Process and Practices	Faculty of all disciplines	24-28 Jul-23	AKJ/SRY/ Expert	Contact	NITTTR, Bhopal
ET-8	Smart Manufacturing	Faculty of Engineering disciplines	18-22 Dec-23	VS/KKJ	Contact	NITTTR, Bhopal
ET-9	Test and Calibration of Equipment	Faculty of Electrical & Electronics Engineering and allied disciplines	8-12 Jan-24	SK/SSM/ Expert	Contact	NITTTR, Bhopal
ET-10	Blockchain Technology	Faculty of Engineering & Science disciplines, Programmers and System Analysts	8-12 Jan-24	MAR/Expert	Contact	NITTTR, Bhopal
ET-11	Drone and Drone Applications	Faculty of Electrical & Electronics Engineering and allied disciplines	8-12 Jan-24	AP/CSR	Contact	NITTTR, Bhopal
ET-12	Electric Vehicle Technologies	Faculty of Electrical & Electronics Engineering and allied disciplines	5-9 Feb-24	AP/CSR	Contact	NITTTR, Bhopal
ET-13	Modern Power System: Operation and Control	Faculty of Electrical Engineering	4-8 Mar-24	ASW/Expert	Contact	NITTTR, Bhopal
ET-14	Use of Artificial Intelligence in Technical Education	Faculty of all disciplines	11-13 Mar-24	RPK/SA/ Expert	Online	NITTTR, Bhopal
ET-15	Drone and Drone Operations	Faculty of Electrical & Electronics Engineering and allied disciplines	18-22 Mar-24	SK/AP/ Expert	Contact	NITTTR, Bhopal

#### TRAINING PROGRAMMES ON OUTCOME-BASED EDUCATION

Code	Title	Target Group	Duration	Faculty	Mode	Venue
OBE-1	Outcome-Based Assessment	Faculty of all disciplines	10-14 Apr-23	SA/RKK	Online	NITTTR, Bhopal
OBE-2	Instructional Media Preparation for OBC	Faculty of all disciplines	17-21 Apr-23	CM/SSK	Contact	NITTTR, Bhopal
OBE-3	Accreditation of UG Engineering Programmes	Faculty of all disciplines	24-28 Apr-23	BLG/RKD	Contact	NITTTR, Bhopal
OBE-4	Accreditation of Diploma Engineering Programmes	Faculty of all disciplines	1-5 May-23	BLG/AR	Contact	NITTTR, Bhopal
OBE-5	Rubrics Development for Performance Assessment	Faculty of all disciplines	12-16 Jun-23	AR/JPT	Contact	NITTTR, Bhopal
OBE-6	Design Laboratory Framework for Outcome-Based Education	Faculty of Engineering and Science disciplines	17-21 Jul-23	SSM/ASW	Contact	NITTTR, Bhopal
OBE-7	Preparation for Accreditation of Diploma Programme in Civil Engineering	Faculty of Civil Engineering and allied discipline	21-25 Aug-23	MCP/SRY	Online	NITTTR, Bhopal
OBE-8	Outcome-Based Education and Accreditation	Faculty of all disciplines	11-15 Sep-23	SA/MAR	Online	NITTTR, Bhopal
OBE-9	Outcome-Based Education and Accreditation	Faculty of all disciplines	8-12 Jan-24	SA/RKK	Online	NITTTR, Bhopal

# PROFESSIONAL DEVELOPMENT PROGRAMMES ON BUSINESS AND SOFT SKILLS

Code	Title	Target Group	Duration	Faculty	Mode	Venue
PDP-1	Governance and Management of Institutions	Principals, Administrators & HODs	15-19 May- 23	RBS/BLG	Contact	NITTTR, Bhopal
PDP-2	Technical Communication for Professionals	Faculty of all disciplines	22-26 May- 23	ATK/Expert	Contact	NITTTR, Bhopal
PDP-3	21 <sup>st</sup> Century Communication through Digital Mode (Apps and Gadgets)	Faculty of all disciplines	5-9 Jun-23	ATK/Expert	Online	NITTTR, Bhopal
PDP-4	Effective Stress Management for Maximizing Human Productivity	Faculty of all disciplines	12-16 Jun-23	ND/RP	Contact	NITTTR, Bhopal
PDP-5	Business and Soft Skill Development for Holistic and Multidisciplinary Education	Faculty of all disciplines	3-7 Jul-23	ATK/Expert	Contact	NITTTR, Bhopal

Code	Title	Target Group	Duration	Faculty	Mode	Venue
PDP-6	Management of Change and Innovation	Faculty of all disciplines	10-14 Jul-23	RBS/RP	Contact	NITTTR, Bhopal
PDP-7	Managerial Skills and its relation with the Indian knowledge System	Faculty of all disciplines	24-28 Jul-23	RP/PD	Contact	NITTTR, Bhopal
PDP-8	TQM and Six Sigma for Engineering Institutions	Faculty of all disciplines	7-11 Aug-23	BLG/RBS	Contact	NITTTR, Bhopal
PDP-9	Impression and Image Management through Professional Communication	Faculty of all disciplines	14-18 Aug-23	ATK/ND	Contact	NITTTR, Bhopal

## INDUCTION TRAINING PROGRAMMES

#### PHASE-I

Code	Title	Target Group	Duration	Faculty	Mode	Venue
IP-1	Induction Programme Phase - I	Faculty of all disciplines	10-21 Apr-23	SSK/AKS (week 1) AAD/JPT (week 2)	Contact	NITTTR, Bhopal
IP-2	Induction Programme Phase - I	Faculty of all disciplines	31 Jul- 11 Aug-23	BS/RKD (week 1) PKP/PD (week 2)	Contact	NITTTR, Bhopal
IP-3	Induction Programme Phase - I	Faculty of all disciplines	9-20 Oct-23	SA/RP (week 1) SK/RKK (week 2)	Contact	NITTTR, Bhopal
IP-4	Induction Programme Phase - I	Faculty of all disciplines	5-16 Feb-24	ATK/MCP (week 1) MAR/RP (week 2)	Contact	NITTTR, Bhopal

#### PHASE-II

Code	Title	Target Group	Duration	Faculty	Mode	Venue
IP-5	Induction Programme Phase - II	Faculty of all disciplines	1-12 May-23	MCP/MAR (week1) VS/KKJ (week 2)	Contact	NITTTR, Bhopal
IP-6	Induction Programme Phase - II	Faculty of all disciplines	3-14 Jul-23	CM/AKS (week 1) PD/AAK (week 2)	Contact	NITTTR, Bhopal
IP-7	Induction Programme Phase - II	Faculty of all disciplines	30 Oct- 10 Nov-23	PD/RBS (week 1) RPK/SSM (week 2)	Contact	NITTTR, Bhopal
IP-8	Induction Programme Phase - II	Faculty of all disciplines	11-22 Mar-24	RP/RKK (week 1) RKD/VDP (week 2)	Contact	NITTTR, Bhopal

## TRAINING PROGRAMMES ON ADVANCED PEDAGOGY

Code	Title	Target Group	Duration	Faculty	Mode	Venue
AP-1	Advanced Pedagogy	Faculty of all disciplines	24-28 Apr-23	SA/PD	Contact	NITTTR, Bhopal
AP-2	Advanced Pedagogy	Faculty of all disciplines	26-30 Jun-23	AAK/KKJ	Contact	NITTTR, Bhopal
AP-3	Advanced Pedagogy	Faculty of all disciplines	21-25 Aug-23	BLG/SK	Contact	NITTTR, Bhopal
AP-4	Advanced Pedagogy	Faculty of all disciplines	25-29 Sep-23	RPK/RKD	Contact	NITTTR, Bhopal
AP-5	Advanced Pedagogy	Faculty of all disciplines	16-20 Oct-23	CM/AAD	Contact	NITTTR, Bhopal
AP-6	Advanced Pedagogy	Faculty of all disciplines	18-22 Dec-23	RKK/SA	Contact	NITTTR, Bhopal
AP-7	Advanced Pedagogy	Faculty of all disciplines	29 Jan- 2 Feb-24	RBS/MAR	Contact	NITTTR, Bhopal
AP-8	Advanced Pedagogy	Faculty of all disciplines	19-23 Feb-24	SSK/BS	Contact	NITTTR, Bhopal

# **CATEGORY-3**

# TRAINING PROGRAMMES AT NITTTR, BHOPAL EXTENSION CENTRES



TRAINING PROGRAMMES FOR CHHATTISGARH STATE

TRAINING PROGRAMMES FOR GOA STATE





TRAINING PROGRAMMES FOR GUJARAT STATE

TRAINING PROGRAMMES FOR MAHARASHTRA STATE



### TRAINING PROGRAMMES FOR CHHATTISGARH STATE

Code	Title	Target Group	Duration	Faculty	Mode	Venue
CG-1	Developing Employability Skills among Graduates	Faculty of all disciplines	10-14 Apr-23	ATK/ND	Contact	Ext. Centre, Raipur
CG-2	Leadership Development for Governance and Management of the Institute	Principals, Administrators & HODs	12-16 Jun-23	PD/BLG	Contact	Ext. Centre, Raipur
CG-3	Research Paper and Research Proposal Writing	Faculty of all disciplines	21-25 Aug-23	PKP/DS	Contact	Ext. Centre, Raipur
CG-4	Purchase Procedure for Government Institutions	Officers and staff associated with store and purchase	9-13 Oct-23	AKS/ ASW	Contact	Ext. Centre, Raipur

#### TRAINING PROGRAMMES FOR GOA STATE

Code	Title	Target Group	Duration	Faculty	Mode	Venue
GOA-1	Programmable Logic Controller (PLC)	Faculty of Electrical & Electronics Engineering and allied disciplines	10-12 Apr-23	ASR/Expert	Contact	Ext. Centre, Goa
GOA-2	Effective Stress Management	Faculty of all disciplines	2-4 May-23	ASR/Expert	Hybrid	Ext. Centre, Goa
GOA-3	IR 4.0 and Digital Manufacturing	Faculty of Engineering disciplines	22-26 May- 23	ASR/Expert	Hybrid	Ext. Centre, Goa
GOA-4	Air Conditioning for Electric Vehicles	Faculty of Electrical & Mechanical Engineering and allied disciplines	6-8 Jun-23	ASR/Expert	Contact	Ext. Centre, Goa
GOA-5	Leadership Development for Governance and Management of the Institute	Faculty of all disciplines	12-16 Jun-23	AAD/RKD	Online	Ext. Centre, Goa
GOA-6	Green Technologies for Sustainable Development	Faculty of all disciplines	21-23 Jun-23	ASR/Expert	Hybrid	Ext. Centre, Goa
GOA-7	Mobile Application Development	Faculty of Computer Engineering and allied disciplines, Programmers and System Analysts	10-14 Jul-23	ASR/Expert	Hybrid	Ext. Centre, Goa
GOA-8	Industrial Safety and First-Aid	Faculty of all disciplines	17-19 Jul-23	ASR/Expert	Contact	Ext. Centre, Goa
GOA-9	Introduction to AI and Machine Learning	Faculty of Engineering disciplines	7-11 Aug-23	ASR/Expert	Hybrid	Ext. Centre, Goa

Code	Title	Target Group	Duration	Faculty	Mode	Venue
GOA-10	Use of ICT in Institute	Supporting Staff	16-18 Aug-23	ASR/PNH*	Online	Ext. Centre, Goa
GOA-11	Outcome-Based Lab Manual	Faculty of all disciplines	28 Aug- 1 Sep-23	ASR/SSM	Hybrid	Ext. Centre, Goa
GOA-12	Industrial Training Monitoring	Faculty of all disciplines	12-14 Sep-23	ASR/Expert	Hybrid	Ext. Centre, Goa
GOA-13	Outcome-Based Assessment	Faculty of all disciplines	9-13 Oct-23	ASR/ RKD	Online	Ext. Centre, Goa
GOA-14	Troubleshooting of MPFI and Electric Vehicles	Faculty of Electrical & Mechanical Engineering and allied disciplines	7-9 Nov-23	ASR/Expert	Contact	Ext. Centre, Goa
GOA-15	Renewable Energy Technologies with a focus on Hydropower	Faculty of Electrical & Mechanical Engineering and allied disciplines	4-8 Dec-23	ASR/Expert	Hybrid	Ext. Centre, Goa
GOA-16	Good Manufacturing Practices in Pharmaceutical Industries	Faculty of Pharmacy	3-5 Jan-24	ASR/Expert	Hybrid	Ext. Centre, Goa
GOA-17	Arduino for Mini Projects	Faculty of Electrical & Electronics and allied Engineering disciplines	15-19 Jan-24	ASR/Expert	Hybrid	Ext. Centre, Goa
GOA-18	Internet of Things (IoT)	Faculty of Engineering & Science disciplines, Programmers and System analysts	5-9 Feb-24	SK/PNH*	Hybrid	Ext. Centre, Goa
GOA-19	Advanced Teaching Methods	Faculty of all disciplines	19-23 Feb-24	ASR/AAK	Online	Ext. Centre, Goa
GOA-20	Alternative Fuels	Faculty of all disciplines	4-8 Mar-24	ASR/Expert	Hybrid	Ext. Centre, Goa
GOA-21	Solar Technology	Faculty of Electrical & Mechanical Engineering and allied disciplines	11-15 Mar-24	ASR/ASW	Hybrid	Ext. Centre, Goa
GOA-22	Electric and Hybrid Vehicles	Faculty of Electrical & Mechanical Engineering and allied disciplines	25-29 Mar-24	ASR/Expert	Contact	Ext. Centre, Goa

<sup>\*</sup> Technical Staff

## TRAINING PROGRAMMES FOR GUJARAT STATE

Code	Title	Target Group	Duration	Faculty	Mode	Venue
GUJ-1	Personality Development and Positive Thinking	Faculty of all disciplines	24-28 Apr-23	ATK/ND	Contact	Ext. Centre, Ahmedabad

Code	Title	Target Group	Duration	Faculty	Mode	Venue
GUJ-2	Lab Experiments Development in Electrical and Electronics Engineering for Outcome Based Education	Faculty of Electrical & Electronics Engineering and allied disciplines	8-12 May-23	SSM/ASW	Contact	Ext. Centre, Ahmedabad
GUJ-3	Advanced Pedagogy	Faculty of all disciplines	8-12 May-23	DS/HJK	Contact	Ext. Centre, Ahmedabad
GUJ-4	Guidance, Counselling and Mentoring for Professional Excellence	Faculty of all disciplines	15-19 May- 23	RP/PD	Contact	Ext. Centre, Ahmedabad
GUJ-5	Development of Models of Advance Pedagogy and Andragogy	Faculty of all disciplines	5-9 Jun-23	ND/RPK	Contact	Ext. Centre, Ahmedabad
GUJ-6	Implementation of OBC for Applied Science Courses	Faculty of Applied Science	12-23 Jun-23	DS/PKP (week-1) HJK/BS (week-2)	Contact	Ext. Centre, Ahmedabad
GUJ-7	Induction Programme Phase – I	Faculty of all disciplines	12-23 Jun-23	AP/AAK (week-1) CM/RBS (week-2)	Contact	SVNIT, Surat
GUJ-8	Building Information Modelling for Civil Engineers	Faculty of Civil Engineering and allied disciplines	19-23 Jun-23	SRY/MCP/ Expert	Contact	Ext. Centre, Ahmedabad
GUJ-9	Emotional Intelligence in Teaching and Learning	Faculty of all disciplines	26-30 Jun-23	RP/RKD	Contact	Ext. Centre, Ahmedabad
GUJ-10	Blended Education and Augmented Training	Faculty of all disciplines	3-7 Jul-23	KJM/SSK	Contact	SVNIT, Surat
GUJ-11	Developing Entrepreneurship and Vocational Skills	Faculty of all disciplines	17-21 Jul-23	ND/RPK	Contact	SVNIT, Surat
GUJ-12	Advanced Pedagogy	Faculty of all disciplines	17-21 Jul-23	ATK/AR	Contact	Ext. Centre, Ahmedabad
GUJ-13	Professional and Managerial Skills for Effective Work-Life Balance	Faculty of all disciplines	21-25 Aug-23	RP/RBS	Contact	SVNIT, Surat
GUJ-14	Nanotechnology and its Engineering Applications	Faculty of all disciplines	21-25 Aug-23	BS/HJK	Contact	Ext. Centre, Ahmedabad
GUJ-15	Developing 21 <sup>st</sup> -Century Skills	Faculty of all disciplines	28 Aug- 1 Sep-23	ATK/ND	Contact	Ext. Centre, Ahmedabad
GUJ-16	NBA Accreditation of Diploma/UG program	Faculty of Engineering & Science disciplines	11-15 Sep-23	CSR/ASW	Contact	SVNIT, Surat
GUJ-17	E-Content Development	Faculty of all disciplines	11-15 Sep-23	CM/SSK	Contact	Ext. Centre, Ahmedabad
GUJ-18	Induction Programme Phase – II	Faculty of all disciplines	11-22 Sep-23	PKP/SRY (week-1) ATK/ND (week-2)	Contact	Ext. Centre, Ahmedabad
GUJ-19	Computer-Aided Design of Civil Engineering Structures	Faculty of Civil Engineering and allied disciplines	9-13 Oct-23	MCP/SRY/ Expert	Contact	Ext. Centre, Ahmedabad

Code	Title	Target Group	Duration	Faculty	Mode	Venue
GUJ-20	Research Paper and Research Proposal Writing	Faculty of all disciplines	16-20 Oct-23	DS/PKP	Contact	Ext. Centre, Ahmedabad
GUJ-21	Green Technologies for Sustainable Development	Faculty of Civil Engineering and allied disciplines	6-10 Nov-23	VDP/AKJ/ Expert	Contact	Ext. Centre, Ahmedabad
GUJ-22	Academic Writing Tools and Techniques	Faculty of all disciplines	20-24 Nov-23	BS/PKP	Contact	Ext. Centre, Ahmedabad
GUJ-23	Advanced Pedagogy	Faculty of all disciplines	20-24 Nov-23	AP/ND	Contact	SVNIT Surat
GUJ-24	Induction Programme Phase – I	Faculty of all disciplines	4-15 Dec-23	DS/HJK (week-1) RPK/BLG (week-2)	Contact	Ext. Centre, Ahmedabad
GUJ-25	Role of Media in OBE	Faculty of all disciplines	8-12 Jan-24	CM/SSK	Contact	SVNIT, Surat
GUJ-26	Induction Programme Phase – II	Faculty of all disciplines	8-19 Jan-24	ND/ASW (week-1) BS/BLG (week-2)	Contact	Ext. Centre, Ahmedabad
GUJ-27	Project Based Learning	Faculty of all disciplines	5-9 Feb-24	AR/JPT	Contact	Ext. Centre, Ahmedabad
GUJ-28	Leadership Development for Governance and Management of the Institute	Principals, Administrators & HODs	19-23 Feb-24	BLG/RBS	Contact	Ext. Centre, Ahmedabad
GUJ-29	Appropriate Building Materials and Construction Technologies	Faculty of Civil Engineering and allied disciplines	19-23 Feb-24	AKJ/VDP	Contact	Ext. Centre, Ahmedabad
GUJ-30	Portfolio-Supported Assessment for Self-Directed Learning	Faculty of all disciplines	18-22 Mar-24	JPT/AR	Contact	SVNIT, Surat
GUJ-31	Advanced Pedagogy	Faculty of all disciplines	18-22 Mar-24	ND/PKP	Contact	Ext. Centre, Ahmedabad

## TRAINING PROGRAMMES FOR MAHARASHTRA STATE

Code	Title	Target Group	Duration	Faculty	Mode	Venue
MH-1	Institutional Building	Faculty of all disciplines	18-22 Sep-23	AAD/PD	Contact	Ext. Centre, Pune
MH-2	Role of Educational Games and Models in Learning	Faculty of all disciplines	9-13 Oct-23	RPK/ND	Contact	Ext. Centre, Pune
MH-3	Organizational Development and Institutional Reforms	Faculty of all disciplines	16-20 Oct-23	BLG/RBS	Contact	Ext. Centre, Pune
MH-4	Mathematics with SCILAB	Faculty of all disciplines	4-8 Mar-24	DS/HJK	Contact	Ext. Centre, Pune

# **CATEGORY-4**

# DEPARTMENT SPECIFIC TRAINING PROGRAMMES

DEPARTMENT OF APPLIED SCIENCE EDUCATION

DEPARTMENT OF CURRICULUM DEVELOPMENT AND ASSESSMENT EDUCATION

DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING EDUCATION

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING EDUCATION

DEPARTMENT OF ELECTRONICS ENGINEERING EDUCATION

DEPARTMENT OF MECHANICAL ENGINEERING EDUCATION

DEPARTMENT OF MANAGEMENT EDUCATION

DEPARTMENT OF MEDIA RESEARCH AND DEVELOPMENT EDUCATION

DEPARTMENT OF TECHNICAL AND VOCATIONAL EDUCATION AND RESEARCH

### DEPARTMENT OF APPLIED SCIENCE EDUCATION

Code	Title	Target Group	Duration	Faculty	Mode	Venue
ASE-1	Mathematics for Engineering Applications	Faculty of all disciplines	24-28 Apr-23	DS/HJK	Contact	NITTTR, Bhopal
ASE-2	Green Chemistry for Sustainable Environment	Faculty of all disciplines	8-12 May-23	BS/PKP	Contact	NITTTR, Bhopal
ASE-3	Ancient Indian Mathematics	Faculty of all disciplines	22-26 May- 23	DS/PKP	Contact	NITTTR, Bhopal
ASE-4	Document Preparation on Latex	Faculty of Engineering & Science disciplines	22-26 May- 23	HJK/SK	Contact	NITTTR, Bhopal
ASE-5	Design of Virtual Lab Experiments in Applied Science	Faculty of Applied Science & Electronics Engineering	10-14 Jul-23	HJK/BS	Contact	NITTTR, Bhopal
ASE-6	Intellectual Property Protection and Commercialization	Faculty of all disciplines	9-13 Oct-23	PKP/ CSR/ Expert	Contact	NITTTR, Bhopal
ASE-7	Alternative Fuels	Faculty of all disciplines	11-15 Dec-23	PKP/ Expert	Contact	NITTTR, Bhopal
ASE-8	Astronomy of Ancient India	Faculty of all disciplines	1-5 Jan-24	PKP/HJK	Contact	NITTTR, Bhopal
ASE-9	Data Analysis and ML Techniques for Applied Science	Faculty of Applied Science & Pharmacy	1-5 Jan-24	BS/DS	Contact	NITTTR, Bhopal
ASE-10	Transforms for Engineering Applications	Faculty of Applied Science, Electrical & Electronics and Instrumentation Engineering	15-19 Jan-24	DS/HJK	Contact	NITTTR, Bhopal

# DEPARTMENT OF CURRICULUM DEVELOPMENT AND ASSESSMENT EDUCATION

Code	Title	Target Group	Duration	Faculty	Mode	Venue
CDAE-1	Curriculum Design for Holistic and Multidisciplinary Education	Faculty of all disciplines	24-28 Jul-23	AR/JPT	Contact	NITTTR, Bhopal
CDAE-2	Embedding Innovations in Engineering Education Curriculum, Assessment and Pedagogy	Faculty of all disciplines	21-25 Aug-23	JPT/AR	Contact	NITTTR, Bhopal
CDAE-3	Question Paper Design for Outcome-Based Curriculum	Faculty of all disciplines	4-8 Dec-23	AR/JPT	Contact	NITTTR, Bhopal

Code	Title	Target Group	Duration	Faculty	Mode	Venue
CDAE-4	Use of Rubrics for Assessment of Projects, Seminar and Industrial Training	Faculty of all disciplines	8-12 Jan-24	JPT/AR	Contact	NITTTR, Bhopal
CDAE-5	Design and Development of Curriculum for NITTTR, Bhopal CoE Labs	Faculty of Computer, Mechanical, Electrical & Electronics and allied disciplines	15-19 Jan-24	JPT/AR	Contact	NITTTR, Bhopal
CDAE-6	Student Evaluation and Assessment	Faculty of all disciplines	19-23 Feb-24	JPT/AR	Contact	NITTTR, Bhopal

# DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING EDUCATION

Code	Title	Target Group	Duration	Faculty	Mode	Venue
CEEE-1	Role of Technical Institutions in Community Development	Faculty of Civil Engineering and allied disciplines	24-28 Apr-23	AKJ/VDP	Online	NITTTR, Bhopal
CEEE-2	Contract Management and Dispute Resolution in Engineering Projects	Faculty of Civil Engineering and allied disciplines	12-16 Jun-23	VDP/MCP	Contact	NITTTR, Bhopal
CEEE-3	Low Cost Building Materials	Faculty of Civil Engineering and allied disciplines	10-14 Jul-23	AKJ/MCP	Online	NITTTR, Bhopal
CEEE-4	Structural Evaluation and Maintenance of Pavement	Faculty of Civil Engineering and allied disciplines	31 Jul- 4 Aug-23	MCP/SRY	Contact	NITTTR, Bhopal
CEEE-5	3D Printing in Construction Technologies	Faculty of Civil Engineering and allied disciplines	11-15 Sep-23	MCP/AKJ/ Expert	Contact	NITTTR, Bhopal
CEEE-6	Challenges and Implementation of Community Development Activities in Technical Education Institutes	Faculty of Civil Engineering and allied disciplines	16-20 Oct-23	MCP/AKJ/ Expert	Online	NITTTR, Bhopal
CEEE-7	Intelligent Transportation System	Faculty of Civil Engineering and allied disciplines	20-24 Nov-23	SRY/VDP/ Expert	Contact	NITTTR, Bhopal
CEEE-8	Smart Building Materials and Construction Technologies	Faculty of Civil Engineering and allied disciplines	18-22 Dec-23	AKJ/VDP/ Expert	Contact	NITTTR, Bhopal
CEEE-9	Urban City Planning	Faculty of Civil Engineering and allied disciplines	1-5 Jan-24	VDP/SRY/ Expert	Contact	NITTTR, Bhopal

Code	Title	Target Group	Duration	Faculty	Mode	Venue
CEEE-10	Metro Planning	Faculty of Civil Engineering and allied disciplines	15-19 Jan-24	SRY/AKJ/ Expert	Contact	NITTTR, Bhopal
CEEE-11	Redevelopment and Local Development Planning	Faculty of Civil Engineering and allied disciplines	11-15 Mar-24	VDP/MCP/ Expert	Contact	NITTTR, Bhopal
CEEE-12	Geo Spatial Technology	Faculty of Civil Engineering and allied disciplines	18-22 Mar-24	MCP/SRY/ Expert	Contact	NITTTR, Bhopal

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING EDUCATION

Code	Title	Target Group	Duration	Faculty	Mode	Venue
CSEE-1	Cyber Security and Awareness	Faculty of Engineering & Science disciplines, Programmers and System Analysts	12-14 Jun-23	AD*/ Expert	Contact	NITTTR, Bhopal
CSEE-2	Web Application Development using PHP	Faculty of Engineering & Science disciplines, Programmers and System Analysts	19-23 Jun-23	RKK/SA	Contact	NITTTR, Bhopal
CSEE-3	AR- VR Technologies	Faculty of all disciplines	17-21 Jul-23	SA/MAR/ Expert	Contact	NITTTR, Bhopal
CSEE-4	Amazon Web Services (AWS)	Faculty of Engineering & Science disciplines, Programmers and System Analysts	9-13 Oct-23	PK*/JCM*/ Expert	Contact	NITTTR, Bhopal
CSEE-5	Amazon Web Services (AWS)	Faculty of Engineering & Science disciplines, Programmers and System Analysts	29 Jan- 2-Feb-24	AD*/JCM*/ Expert	Contact	NITTTR, Bhopal
CSEE-6	Python Programming	Faculty of Engineering & Science disciplines, Programmers and System Analysts	5-9 Feb-24	RKK/SA	Contact	NITTTR, Bhopal
CSEE-7	IoT Applications	Faculty of Engineering & Science disciplines, Programmers and System Analysts	19-23 Feb-24	PNH*/ MAR	Contact	NITTTR, Bhopal
CSEE-8	Drone Technology	Faculty of all disciplines	26-28 Feb-24	SA/RKK/ Expert	Contact	NITTTR, Bhopal

<sup>\*</sup> Technical Staff

# DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING EDUCATION

Code	Title	Target Group	Duration	Faculty	Mode	Venue
EEE-1	Arduino and Sensors	Faculty of Electrical & Electronics and allied Engineering disciplines	10-14 Apr-23	SK/HJK	Contact	NITTTR, Bhopal
EEE-2	Electrification of Modern Building and Complexes	Faculty of Electrical Engineering discipline	17-21 Apr-23	ASW/SSM	Contact	NITTTR, Bhopal
EEE-3	Embedded System Design	Faculty of Electronics and allied Engineering disciplines	1-5 May-23	SK/SSM	Contact	NITTTR, Bhopal
EEE-4	Arduino IOT Application Design	Faculty of Electrical & Electronics, Computer and allied Engineering disciplines	12-16 Jun-23	SK/PNH*	Contact	NITTTR, Bhopal
EEE-5	Renewable Energy Technologies	Faculty of all disciplines	12-16 Jun-23	ASW/SSM	Contact	NITTTR, Bhopal
EEE-6	Circuit Designing and Simulation using Multisim	Faculty of Electrical & Electronics and allied Engineering disciplines	19-23 Jun-23	AP/SSM	Contact	NITTTR, Bhopal
EEE-7	MATLAB Software Programming	Faculty of all disciplines	3-7 Jul-23	SSM/AP	Contact	NITTTR, Bhopal
EEE-8	Digital Signals and Image Processing	Faculty of Electronics and allied Engineering disciplines	10-14 Jul-23	AP/Expert	Contact	NITTTR, Bhopal
EEE-9	LABVIEW Software Programming	Faculty of Electrical & Electronics and allied Engineering disciplines	31 Jul- 4 Aug-23	AP/SK	Contact	NITTTR, Bhopal
EEE-10	Industry Internet of Things	Faculty of Electronics Engineering & Computer disciplines	21-25 Aug-23	AP/MAR	Contact	NITTTR, Bhopal
EEE-11	VLSI Design using VHDL	Faculty of Electronics and allied Engineering disciplines	11-15 Sep-23	SK/AP	Contact	NITTTR, Bhopal
EEE-12	SCILAB Software Programming	Faculty of Engineering disciplines	6-10 Nov-23	SK/HJK	Online	NITTTR, Bhopal
EEE-13	Energy Sustainability and Audit	Faculty of Electrical Engineering	18-22 Dec-23	CSR/SSM	Contact	NITTTR, Bhopal
EEE-14	On-Grid and Off-Grid Solar System	Faculty of Electrical & Electronics Engineering	15-19 Jan-24	ASW/Expert	Contact	NITTTR, Bhopal
EEE-15	Digital Communication 5G, 6G and Beyond	Faculty of Electronics and allied Engineering disciplines	15-19 Jan-24	AP/Expert	Contact	NITTTR, Bhopal
EEE-16	Modern Display Technology, Smart Sensors and Actuators	Faculty of Electrical & Electronics Engineering and allied disciplines	19-23 Feb-24	SK/SSM	Contact	NITTTR, Bhopal

<sup>\*</sup> Technical Staff

### DEPARTMENT OF MECHANICAL ENGINEERING EDUCATION

Code	Title	Target Group	Duration	Faculty	Mode	Venue
MEE-1	Development of Lab Manual in Emerging Areas of Mechanical Engineering	Faculty of Mechanical and allied disciplines	5-16 Jun-23	AKS/KKJ (week1) VS/CM (week2)	Contact	NITTTR, Bhopal
MEE-2	Workshop Maintenance and Management	Faculty of Mechanical Engineering, Workshop Superintendent and Instructors	20-24 Nov-23	AKS/KKJ	Contact	NITTTR, Bhopal
MEE-3	CNC Technology	Faculty of Mechanical Engineering and allied disciplines	8-12 Jan-24	KKJ/AKS	Contact	NITTTR, Bhopal
MEE-4	CNC Part Programming and Simulation	Faculty of Mechanical Engineering and allied disciplines	5-9 Feb-24	AKS/KKJ	Contact	NITTTR, Bhopal
MEE-5	Purchase Management, Tender and Quotation (GEM)	Faculty, Workshop Superintendent and Purchase/Stores Officers	26 Feb- 1 Mar-24	AKS/SR	Contact	NITTTR, Bhopal
MEE-6	Industrial PLC and HMI	Faculty of Mechanical Engineering and allied disciplines	11-15 Mar-24	VS/CSR	Contact	NITTTR, Bhopal
MEE-7	Assessment of Workshop Practices in Mechanical Engineering	Faculty of Mechanical Engineering and Workshop Superintendent	18-22 Mar-24	KKJ/AKS	Contact	NITTTR, Bhopal

#### **DEPARTMENT OF MANAGEMENT EDUCATION**

Code	Title	Target Group	Duration	Faculty	Mode	Venue
MgE-1	Sustainable Development and Institution Building	Faculty of all disciplines	19-23 Jun-23	AAD/PD	Contact	NITTTR, Bhopal
MgE-2	Green Technologies for Sustainable Development	Faculty of all disciplines	24-28 Jul-23	AAD/VDP	Contact	NITTTR, Bhopal
MgE-3	Scenario Development for Climate Change	Faculty of all disciplines	21 Aug- 1-Sep-23	AAD/ PD (week-1) AAD/Expert (week-2)	Contact	NITTTR, Bhopal
MgE-4	Academic Leadership Development	Faculty of all disciplines	4-15 Sep-23	RBS/BLG (week-1) AAD/PD (week-2)	Contact	NITTTR, Bhopal
MgE-5	Carbon Finance and Carbon Credit Management	Faculty of all disciplines	11-15 Sep-23	RP/Expert	Contact	NITTTR, Bhopal

Code	Title	Target Group	Duration	Faculty	Mode	Venue
MgE-6	Institutional Autonomy and Accountability	Faculty of all disciplines	11-15 Sep-23	BLG/RBS	Contact	NITTTR, Bhopal
MgE-7	Quality Management Systems for Engineering Institutions	Faculty of all disciplines	6-10 Nov-23	BLG/RBS	Contact	NITTTR, Bhopal
MgE-8	Research in the Changing Landscape of the Education System	Faculty of all disciplines	20-24 Nov-23	RP/RKD	Contact	NITTTR, Bhopal
MgE-9	Digital Transformation and Change Management	Faculty of all disciplines	11-15 Dec-23	AAD/RBS	Contact	NITTTR, Bhopal
MgE-10	Strategic Human Resources Management	Faculty of all disciplines	18-22 Dec-23	BLG/PD	Contact	NITTTR, Bhopal
MgE-11	Academic and Research Paper Writing	Faculty of all disciplines	8-12 Jan-24	AAD/RP	Contact	NITTTR, Bhopal
MgE-12	Achieving Research Excellence for Engineering Education	Faculty of all disciplines	29 Jan- 2 Feb-24	RKD/RP	Contact	NITTTR, Bhopal
MgE-13	Sustainable Futures with Sustainable Lifestyles	Faculty of all disciplines	5-9 Feb-24	AAD/PD	Contact	NITTTR, Bhopal
MgE-14	Energy and Sustainability- Towards Net Zero	Faculty of all disciplines	19-23 Feb-24	AAD/Expert	Contact	NITTTR, Bhopal
MgE-15	Project Based Learning	Faculty of all disciplines	4-8 Mar-24	BLG/RKD	Contact	NITTTR, Bhopal
MgE-16	ESG and Sustainable Development for Academic Institution	Faculty of all disciplines	11-15 Mar-24	AAD/PD	Contact	NITTTR, Bhopal

## DEPARTMENT OF MEDIA RESEARCH AND DEVELOPMENT EDUCATION

Code	Title	Target Group	Duration	Faculty	Mode	Venue
MRDE-1	Learning Management System	Faculty of all disciplines	24-28 Apr-23	KJM/AAK	Online	NITTTR, Bhopal
MRDE-2	Unboxing Techniques for Learning	Faculty of all disciplines	15-19 May-23	AAK/CM	Contact	NITTTR, Bhopal
MRDE-3	Academic Education 4.0 – Approach to Learning	Faculty of all disciplines	5-9 Jun-23	KJM/SSK	Contact	NITTTR, Bhopal
MRDE-4	Digital Learning Repository Development	Faculty of all disciplines	19-23 Jun-23	SSK/KJM PK*/JM*/ PNH*	Contact	NITTTR, Bhopal
MRDE-5	Design Development and Implementation of E-Learning Courses	Faculty of all disciplines	31 Jul- 4 Aug-23	CM/BLG	Contact	NITTTR, Bhopal
MRDE-6	ICT-Tools for Teaching Learning	Faculty of all disciplines	31 Jul- 4 Aug-23	AAK/SSK	Online	NITTTR, Bhopal

Code	Title	Target Group	Duration	Faculty	Mode	Venue
MRDE-7	Interactive Digital Video Development	Faculty of all disciplines	9-20 Oct-23	AAK/CM (week-1) SSK/AAK (week-2)	Contact	NITTTR, Bhopal
MRDE-8	Use of Technology in Education	Faculty of all disciplines	4-8 Dec-23	SSK/CM	Contact	NITTTR, Bhopal
MRDE-9	Basics of AR-VR	Faculty of all disciplines	18-22 Dec-23	SSK/AAK	Contact	NITTTR, Bhopal
MRDE-10	2D Animation Development	Faculty of all disciplines	11-22 Mar-24	SSK/AAK (week-1) CM/AAK (week-2)	Contact	NITTTR, Bhopal

<sup>\*</sup> Technical Staff

# DEPARTMENT OF TECHNICAL AND VOCATIONAL EDUCATION AND RESEARCH

Code	Title	Target Group	Duration	Faculty	Mode	Venue
TVE-1	Capacity-Building for Vocationalisation of Higher Education	Faculty of all disciplines	3-5 Jul-23	RPK/Expert	Online	NITTTR, Bhopal
TVE-2	Planning and Managing Pre- Incubation Support System	Faculty of all disciplines	3-7 Jul-23	ND/Expert	Contact	NITTTR, Bhopal
TVE-3	Creativity in Teaching Learning Processes	Faculty of all disciplines	7-9 Aug-23	RPK/Expert	Online	NITTTR, Bhopal
TVE-4	Strategies for Promoting Action Learning	Faculty of all disciplines	23-27 Oct-23	RPK/RP	Online	NITTTR, Bhopal
TVE-5	Advanced Innovative Teaching Methods for Technical Teachers and Ancient Gurukul System	Faculty of all disciplines	4-8 Mar-24	ATK/ND	Contact	NITTTR, Bhopal
TVE-6	Digital Humanities	Faculty of all disciplines	18-22 Mar-24	ATK/Expert	Contact	NITTTR, Bhopal

# **CATEGORY-5**





MEA SPONSORED INTERNATIONAL TRAINING PROGRAMMES UNDER INDIAN TECHNICAL AND ECONOMIC COOPERATION (ITEC)SCHEME

TRAINING PROGRAMMES UNDER PANDIT MADAN MOHAN MALVIYA NATIONAL MISSION ON TEACHERS AND TEACHING





TRAINING PROGRAMMES FOR SUPPORTING STAFF

राजभाषा कार्यान्वयन समिति के तत्वावधान में हिंदी कार्यशाला /प्रशिक्षण



# MEA SPONSORED INTERNATIONAL TRAINING PROGRAMMES UNDER INDIAN TECHNICAL AND ECONOMIC COOPERATION SCHEME

Code	Title	Target Group	Duration	Faculty	Mode	Venue
ITEC-1	Women Entrepreneurship and Start-Ups: Empowerment Through Innovation	Participants from ITEC partner countries	11-22 Sep-23	ND/ATK	Contact	NITTTR, Bhopal
ITEC-2	Preparing Situational Leaders in VUCA Era	Participants from ITEC partner countries	3-14 Oct-23	BLG/PD	Contact	NITTTR, Bhopal
ITEC-3	Environmental  Management for  Sustainability	Participants from ITEC partner countries	9-20 Oct-23	SRY/AKJ/MCP	Contact	NITTTR, Bhopal
ITEC-4	Developing Leadership and Management Skills	Participants from ITEC partner countries	20 Nov- 1 Dec-23	RP/PD/BLG	Online	NITTTR, Bhopal
ITEC-5	Information and Communication Technology (ICT) In Teaching Learning	Participants from ITEC partner countries	4-15 Dec-23	RKK/SA/MAR	Contact	NITTTR, Bhopal
ITEC-6	Internet of Things and Digital Skills	Participants from ITEC partner countries	22 Jan- 2 Feb-24	AP/CSR/RBS	Contact	NITTTR, Bhopal
ITEC-7	International Collaboration for Inclusive Education	Participants from ITEC partner countries	3-14 Feb-24	RP/RKD/RPK	Contact	NITTTR, Bhopal
ITEC-8	Science for Community Development with Emphasis on Environmental Aspects	Participants from ITEC partner countries	12-23 Feb-24	BS/DS/PKP/ HJK	Contact	NITTTR, Bhopal
ITEC-9	Digital Media Skills for Professional Development	Participants from ITEC partner countries	19 Feb- 1 Mar-24	AAK/SSK/CM	Contact	NITTTR, Bhopal
ITEC-10	Digital Skills for Organisational Effectiveness Development	Participants from ITEC partner countries	18-29 Mar-24	CSR/AP/RBS	Online	NITTTR, Bhopal

# TRAINING PROGRAMMES UNDER PANDIT MADAN MOHAN MALVIYA NATIONAL MISSION ON TEACHERS AND TEACHING

Code	Title	Target Group	Duration	Faculty	Mode	Venue
TLC-1	Training of Trainers	Faculty of AICTE/UGC Approved Institutions (UG/PG)	26-30 Jun-23	VS/BLG	Online	NITTTR, Bhopal
TLC-2	Training of Trainers	Faculty of AICTE/UGC Approved Institutions (UG/PG)	24-28 Jul-23	DS/RBS	Online	NITTTR, Bhopal
TLC-3	Green Energy-A Sustainable Solution for Green Environment	Faculty of AICTE/UGC Approved Institutions (UG/PG)	6-10 Nov-23	BS/SRY/ Expert	Online	NITTTR, Bhopal
TLC-4	AR and VR - Tool for Enhancing Classroom Learning	Faculty of AICTE/UGC Approved Institutions (UG/PG)	18-22 Mar-24	MAR/SA/ Expert	Online	NITTTR, Bhopal

## TRAINING PROGRAMMES FOR SUPPORTING STAFF

Code	Title	Target Group	Duration	Faculty	Mode	Venue
SS-1	Stress Management	Supporting staff	22-24 May-23	ND/RPK	Contact	NITTTR, Bhopal
SS-2	Lab Management for Outcome Based Education	Supporting staff of Engineering and Science Laboratories	22-26 May-23	SSM/ASW	Contact	NITTTR, Bhopal
SS-3	Basic Computer Networking	Technical staff	21-25 Aug-23	RKK/SA	Contact	NITTTR, Bhopal
SS-4	Operation and Maintenance of Lab Equipment in Applied Science and Engineering	Supporting staff of Applied Science & Engineering laboratories	29 Jan- 2 Feb-24	НЈК/РКР	Contact	NITTTR, Bhopal
SS-5	Testing of Building Construction Materials	Supporting staff of Civil Engineering and allied disciplines	5-9 Feb-24	SRY/AKJ	Contact	NITTTR, Bhopal
SS-6	Computer Maintenance	Technical staff	12-16 Feb-24	AD*/JCM*	Contact	NITTTR, Bhopal
SS-7	Office Management and Digitization	Secretarial & Technical staff	26 Feb- 1 Mar-24	PK*/PNH*	Contact	NITTTR, Bhopal

<sup>\*</sup> Technical Staff

# राजभाषा कार्यान्वयन समिति के तत्वावधान में हिंदी कार्यशाला /प्रशिक्षण

Code	Title	Target Group	Duration	Faculty	Mode	Venue
HW-1	सौर और पवन ऊर्जा	केन्द्रीय कर्मचारी/अधिकारी	11-12 Apr-23	ASW/CSR	Contact	NITTTR, Bhopal
HW-2	भारतीय परंपरांगत ज्ञान एवं महत्व	केन्द्रीय कर्मचारी/अधिकारी	18-Apr-23	PKP/DS	Contact	NITTTR, Bhopal
HW-3	कार्य संतुलन	केन्द्रीय कर्मचारी/अधिकारी	9-10 May-23	ATK/Expert	Contact	NITTTR, Bhopal
HW-4	loT का दैनिक जीवन में प्रयोग	केन्द्रीय कर्मचारी/अधिकारी	18-19 May-23	AP/MAR	Contact	NITTTR, Bhopal
HW-5	प्राचीन भारतीय शिक्षा पद्दति	केन्द्रीय कर्मचारी/अधिकारी	27-June-23	BS/HJK	Contact	NITTTR, Bhopal
HW-6	प्रयोगशाला प्रबंधन	केन्द्रीय कर्मचारी/अधिकारी	17-18 Aug-23	SSM/ASW	Contact	NITTTR, Bhopal
HW-7	तनाव प्रबंधन	केन्द्रीय कर्मचारी/अधिकारी	22-23 Aug-23	ND/Expert	Contact	NITTTR, Bhopal
HW-8	ई—कचरा प्रबंधन	केन्द्रीय कर्मचारी/अधिकारी	19-Sep-23	HJK/BS	Contact	NITTTR, Bhopal
HW-9	भवन निर्माण एवं अनुरक्षण	केन्द्रीय कर्मचारी/अधिकारी	22-Jan-24	AKJ/VDP	Contact	NITTTR, Bhopal
HW-10	स्मार्ट अपशिष्ट प्रबंधन प्रणाली	केन्द्रीय कर्मचारी/अधिकारी	23-Jan-24	MCP/SRY	Contact	NITTTR, Bhopal
HW-11	Unicode का उपयोग करके दस्तावेज़ तैयार करना	केन्द्रीय कर्मचारी/अधिकारी	12-13 Feb-24	CM/AAK	Contact	NITTTR, Bhopal
HW-12	Unicode का उपयोग करके पावर पाइंट तैयार करना	केन्द्रीय कर्मचारी/अधिकारी	6-7 Mar-24	SSK/CM	Contact	NITTTR, Bhopal
HW-13	समय प्रबंधन	केन्द्रीय कर्मचारी/अधिकारी	20-Mar-24	RPK/Expert	Contact	NITTTR, Bhopal

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