PROGRAMME CALENDAR | 25 26

NATIONAL INSTITUTE OF TECHNIAL TEACHERS' TRAINING AND RESEARCH, KOLKATA

(Deemed to be University)
Under Ministry of Education, Govt. of India)
Block – FC, Sector – III, Salt Lake City, Kolkata – 700 106

visit us:
www.nitttrkol.ac.in

VISION

NITTTR Kolkata envisions to be the premier multidisciplinary university for promoting quality technical teacher education, training and research for sustainable development.

MISSION

- To develop prospective technical teachers and others through Post Graduate, Doctoral and other programmes,
- To improve the quality of technical teachers and others through training and multidisciplinary, flexible, modular academic programmes,
- To undertake Educational and Technological Research for developing knowledge driven society,
- To undertake leadership and capacity building activities for technical teachers, including need based training,
- To collaborate with other academic and research institutes in both national and international levels,
- To promote innovation, incubation and entrepreneurship for harnessing technology towards sustainable development.

About Us

National Institute of Technical Teachers' Training & Research (NITTTR) Kolkata was established in 1965 as Technical Teachers' Training Institute, Calcutta. This was the first of four such Institutes (other three being at Chandigarh, Bhopal and Chennai) established by the Department of Education, Govt. of India as fully centrally funded Autonomous Institution. The primary focus of the Institute is to provide in-service training to the teachers and staff of Degree and Diploma level technical institutions and conduct activities related to the quality improvement of the technical education system of the country. NITTTR, Kolkata has been actively involved in improvement of quality of the technical education system in various states including those in the north-east through innovative academic interventions, providing assistance to policy makers at the national and state levels, in formulation of educational plans, projects and their implementation in the fast changing scenario. By virtue of working closely over the last few decades, this institute has developed a thorough understanding of the technical educational needs of the states in the eastern region including those in the north-east. Govt. of India, in 2003, accorded national status to the Institute, in recognition to the expert services rendered for overall improvement of quality of Technical Education System. NITTTR, Kolkata acts as a catalyst in introducing changes in the various components of technical education system, plays a proactive role in identifying changes in the industry, technology, economy and society and acts as a facilitator in this process of change. In the year 2024, NITTTR Kolkata awarded the Deemed to be University Status.

Some of the notable national level projects in which the Institute is associated are Nodal agency to Centrally Sponsored Community Development through Polytechnic Scheme, Designing & conducting AICTE sponsored "Induction Training Programme" for fresh teachers of engineering and polytechnic colleges, Facilitating implementation of Centrally sponsored Scheme for Integrating Persons with Disabilities (PWD) in the mainstream of Technical & Vocational Education etc.

The focal activities of the Institute are Short Term Training, Curriculum Development, Learning Resources Development, Research in the field of Technical Education System, Educational Management and Extension Services. Besides regular activities, the Institute has been offering, since 2003, AICTE approved M. Tech. Degree Programme in Manufacturing Technology, affiliated to WBUT. During 2005-2006 two more M. Tech. Programmes namely Multimedia & Software Systems and Mechatronics Engineering were started. The M. Tech. Programme in Structural Engineering was also started from 2011-12. The Institute has highly qualified faculty members and excellent infrastructural support in the form of well-equipped laboratories, computers, library facilities, Welding Centre, CAD/CAM and other resources. The institute has two Extension Centres one at Guwahati and the other in Bhubaneswar for reaching out to its clients in the

Preface

Like previous years, National Institute of Technical Teachers' Training and Research (NITTTR) Kolkata has prepared its Programme Calendar for the year 2025-26.

In order to fulfill the needs of technical teachers of the country, Short- Term Training programmes (STTP) / Faculty Development Program (FDP) in the following modes are planned.

1. Contact mode at NITTTR, Kolkata and/or the extension centres
2. ICT-based Programmes
3. In-House Programmes
4. Demand-based Special Programmes (both offline and online)
5. Hybrid Mode
6. eSTTP

The schedules of the trainings planned in this calendar are not exhaustive. The Institute also provides trainings based on specific needs of various stake holders including Private Technical Institutes following the guidelines of the Institute. Further, In-House training may be organized to fulfil the requirement of Faculty Development Programme of various Technical Institutes.
It is intended that all Technical Institutes will come up with their needs and take advantage of services provided by NITTTR, Kolkata. This helps to upgrade the learning-teaching system of the institutes and in turn, enriches the education system of the country.

NATIONAL INSTITUTE OF TECHNICALTEACHERS' TRAINING AND RESEARCH KOLKATA

Registration for STTP – Application Form

1 Prog. Code :

2 (a) Programme Title :

(b) Date : From: To:

(c) Prog. Coordinator(s) :

3 (a) Name (in CAPS) : First | Middle | Last

(b) Designation :

(c) Department :

(d) Institution :

(e) Institute Address :

Pin:

State

(f) Caste : (g) Gender

(h) Contact Number : Mobile

Email

4 Highest Academic Qualification:

Degree/Diploma	University/Others	Year of Passing	Class Obtained

5 (a) Experience (in years) : Teaching Industry/Field

6. Payment of Course Fees Rs. ..... Paid Yes ☐ No ☐,

If yes, Receipt No. _____

I promise to attend the above mentioned training programme, if selected.

Date: Signature of the Applicant

This is to certify that the applicant will be released to attend the training programme, if selected, without any financial liability on part of the sponsoring authority.

Date: Signature of the Sponsoring Authority with Seal

NOTE: Application without Signature & Seal of the Sponsoring Authority will not be considered for selection.

Scan copy send by Email: ***academic@nitttrkol.ac.in***

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

National Level Short Term Training Program (STTP) / Faculty Development Programme (FDP)

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
1	CU01A	Seismic retrofitting for sustainable and resilience structures.	1500	In-house	ICT	Mithu Dey	As per demand		1	Faculty and staff members from civil and allied discipline	After attending the program, participants are expected to be able to • Identify the different vibration control system • Demonstarte the application and principle of vibration control system • Differentiate the active , semi active and passive control system • Develop the numerical model for for the passive control system. • Use the software for analysisng the stcrutures with vibration control system.
2	CU02C	Bio-Medical Instrumentation	500	In-house	Contact	Subrata Chattopadhyay	As per demand		1	Faculty and staff of all disciplines	After attending the course, the participants will be able to • To understand Cells, Digestive System, Excretory System, Endocrinology • To describe Origins of electro-physiological signal and their characteristics • To design practical clinical sensors and transducers • To understand the operation of X-ray, Fluoroscopy and Radiography, Pacemaker, Magnetic Resonance Imaging etc. • To explain Electric shock hazards and safety devices

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
3	CU03C	Process Control Using PLC DCS & SCADA	500	In-House	Contact	Subrata Chattopadhyay	As per demand		1	Faculty of Electrical, Electronics and Communication, Mechanical, Electronics & Instrumentation disciplines	After attending the course, the participants will be able to • Familiar with closed loop control system • Understand the pressure, Temperature, Flow & Level Measurement system • Design the conventional complex control system like ratio, cascade, feed forward, selective, override etc. • Apply the control system in distillation column in industry • Know the fundamental of PLC, DCS and SCADA
4	PS01C	Institutional Management and Administrative Procedures	1000	In-House	Contact	Arpan Kumar Mondal and Sukanta Kumar Naskar	As per demand	-	2	Faculty and staff members from all discipline	After completion the programme, the participants will be able to • Identify the components of institutional management • Apply the institutional management components effectively • Correlate the institutional management • Components with institutional objectives • Identify the administrative procedures to manage department / institute • Apply the procedures
5	PS02A	Advanced Pedagogy	3000	In-House	Contact	Arpan Kumar Mondal and Sukanta Kumar Naskar	As per demand	-	2	Faculty and staff members from all discipline	After attending the course the participants will be able to • Explain the need for Advanced Pedagogy • Understand the fundamental strategies of advanced pedagogy techniques • Explain different Advanced Pedagogy Approaches • Plan instruction • Incorporate different principles for effective delivery and assessment

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
6	PS03C	Induction Training	1000	In-House	Contact	Arpan Kumar Mondal and Sukanta Kumar Naskar	As per demand	-	2	Faculty and staff members from all discipline	After completion the programme, the participants will be able to • Prepare the instructional objectives • Formulate the lesson plan • Differentiate between Assessment and Evaluation • Design the table of Specification • Prepare the question paper • Evaluate skill in the laboratory
7	PS04C	Utilisation of Instructional Media and Courseware in Effective Teaching Learning Process	500	In-House	Contact	Subrata Chattopadhyay	As per demand		3 Day /1 W	Faculty of Electrical, Electronics and Communication, Mechanical, Electronics & Instrumentation disciplines	After attending the course the participants will be able to • Understand the utility of instructional media in effective teaching • Familiar with the computer to be used as instructional media and its advantages and limitations • Understand the courseware and its implementation through Computer assisted instruction • A model class with CAI • Design and Developmeent of courseware
8	SPL-Student	Communication Skill Development	1000	Kolkata	Contact	Habiba Hussain	02/04/2025	04/04/2025	3 Days	UG Students from any Discipline	After attending the course the participants will be able to • Develop Communication Skill
9	CU04C	Refreshers course on Structural Dynamics	500	Kolkata	ICT	Mithu Dey	07/04/2025	11/04/2025	1	Faculty and staff from civil and allied discipline	After attending the program, participants are expected to be able to • Explain the concept of structural dynamics. • Establish the EOM for a problem • Expalin the free and forced vibration analysis • Find the response of stcrutures under dyanmic laod. • Demonstrate the diffrence between the static and dynamics loading effect.

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management

Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline

Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
10	CU05C	Waste to Energy: A sustainable Approach	500	In-house	Contact	Naveen BP	07/04/2025	11/04/2025	1	Faculty and staff members from all discipline	Critical knowledge of challenges of waste management at the individual (household) and community scale (market, municipality, etc.) and state-of-the-art knowledge about resource circularity to tackle waste management
11	CU06C	Design and Development of content for TEL	500	Kolkata	Contact	Rajeev Chatterjee	07/04/2025	11/04/2025	1	Faculty and staff members from all discipline	After completion of this program, the participants will be able to: • explain the concept of e-learning, TEL • explain synchronous and asynchronous e-learning models, • explain the various standards available for e-learning, • explain the basis terminologies such as Learning Objects, sharable Content Objects, SCO, • explain and demonstrate ADDIE Model of ISD, • Explain the importance of assessment and item development, • exhibit and demonstrate the process of e-content creation for MOOCs based e-content. • develop e-content chunks / learning object in their own subject domain, and exhibit and demonstrate e-learning tools and technology.
12	CU07C	Integrated waste management System	500	Guw	Contact	Kunwar R Singh	07/04/2025	11/04/2025	1	Faculty, Staff and research scholar from all disciplines	After completion of the programme, the participants will be able to • Understand the Concept of Integrated Waste Management • Identify and Characterize Different Waste Streams • Evaluate Waste Collection, Segregation, and Transportation Systems • Apply Waste Treatment and Disposal Technologies • Promote Sustainable and Community-Based Waste Solutions

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management

Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline

Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
13	PS05A	Advanced Pedagogy	3000	Kolkata	ICT	Arpan Kumar Mondal and Sukanta Kumar Naskar	07/04/2025	18/04/2025	2	Faculty and staff members from all discipline	After attending the course the participants will be able to • Explain the need for Advanced Pedagogy • Understand the fundamental strategies of advanced pedagogy techniques • Explain different Advanced Pedagogy Approaches • Plan instruction • Incorporate different principles for effective delivery and assessment
14	PS06B	Mentorship	1000	Kolkata	ICT	Sukanta Kumar Naskar	14/04/2025	18/04/2025	1	Faculty and staff members from all discipline	After attending the programme, participants will be able to: • Be acquainted with Mentoring process • Apply the concept of stress Management • Apply the concept of conflict management • Apply the concept of time Management
15	CU09C	Hands-on Practices in CNC Programming & Machining	1000	Kolkata	Contact	Arpan Kumar Mondal	14/04/2025	25/04/2025	2	Faculty members from Mechanical Engineering and similar fields	After attending the program the participants will be able to • Classify various components of the CNC machines. • Understand the principles of the CNC programming. • Practice on varioous CNC machining processes.
16	PS07C	ICT Tools for Teaching Learning and Assessment	300	Kolkata	Hybrid	Kinsuk Giri	16/04/2025	18/04/2025	3 Days	Faculty members from all discipline	On successful completion of the programme the participants will be able to • Understand the use of various ICT tools for TL and Assessment • Apply different online tools for TL and online assessment

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
17											
18	CU11C	Industrial Control System	500	BBSR	Contact	Subrata Chattopadhyay	21/04/2025	25/04/2025	1	Faculty of Electrical, Electronics and Communication, Mechanical, Electronics & Instrumentation disciplines	After attending the course, the participants will be able to • Familiar with closed loop control system • Understand the pressure, Temperature, Flow & Level Measurement system • Know hazardous area classification • Utilize the electrical instruments in hazardous area in process plant • Design the conventional complex control system like ratio, cascade, feed forward, selective, override etc. • Know the fundamental of PLC, DCS and SCADA
19	CU12C	Engineering Drawing using AutoCAD	500	Kolkata	Hybrid	Mithu Dey	21/04/2025	25/04/2025	1	Faculty and staff members from all discipline	After completion of the program, the participants will be able to • Draw the 2D drawing • Draw the 3D drawing • Appreciate the features of AutoCAD

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
20	PS08C	Research Ethics and Publication Procedure	500	Kolkata	Hybrid	Niladri Pratap Maity	21/04/2025	25/04/2025	1	Faculty and Staff members from all discipline	After attending the programme, the participants will be able to • Define Ethics • Identify different aspects of research. • Appreciate the four elements of writing a research thesis with Ethics. • Follow Research Integrity and Publication Ethic • Follow several ethical issues • Identify Error and Fraud in research • Prepare Database and research metrics • Follow how to publish research outcomes with Ethics • Research Publication procedure
21	PS09B	NBA Accreditation for polytechnic institutes	1000	Kolkata	ICT	Rayapati Subbarao	21/04/2025	25/04/2025	1	Faculty and Staff members from all discipline	After attending the programme, the participants will be able to • Identify the Impact of NBA Accreditation • Prepare Vision, Mission, Program Educational Objectives • Prepare Outcomes and Program Outcomes • Learn how to prepare SAR. • Practice Criteria i to ix.
22	CU13C	Introduction to Coding Theory	500	Kolkata	Contact	Rajeev Chatterjee	21/04/2025	25/04/2025	1	Faculty of all disciplines	After completion of this program, the participants will be able to: • Explain information, quality of Information, and Information entropy, • Demonstrate the working principles and design of AES, DES, • Demonstrate various encoding techniques like Arithmetic Encoding, Huffman Encoding, Hamming Code, Gray code, JPEG Encoding Standard, Lempel Ziv Coding etc., and • Demonstrate the applications of coding techniques in the area of Networking and Communication.

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
23	CU15B	Environmental Pollution and Health	1000	Kolkata	ICT	Sailendra Nath Mandal	21/04/2025	25/04/2025	1	Faculty and Staff of any discipline	After attending the programme the participants will be able to acquire – • knowledge of basic concept of water, air, noise pollution and their analysis • skill of online live demonstration of different device, performing experiments, interpreting results, preparing test report, providing laboratory instructions to develop inquiring attitude among the student and evaluation of laboratory performance in related to water, air, noise pollution laboratory, • attitude of live online lecture and demonstration in the laboratory/field
24	CU16C	Environmental Risk Management	500	Kolkata	ICT	Kunwar R Singh and Anil Kumar	21/04/2025	25/04/2025	1	Faculty, Staff and research scholar from all disciplines	After completion of the programme, the participants will be able to • Understand Key Concepts of Environmental Risks • Analyze Environmental Risk Assessment Techniques • Evaluate Risk Management Strategies • Develop Sustainable Solutions
25	CU17C	Sustainable Quality Management	500	Kolkata	ICT	Deepak Mehra	21/04/2025	25/04/2025	1	Faculty Members, Research Scholars, Students of Technical and Management Institutions of all disciplines	After completion of the programme, the participants will be able to • Understand the Concept of Sustainable Quality Management (SQM) • Apply critical thinking to identify, analyze, and solve sustainability-related challenges within quality management systems (QMS), • Identify and evaluate potential environmental and social risks • Use tools and techniques to assess and mitigate risks. • Advocate for corporate social responsibility (CSR) and contribute to a positive social impact.

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
26	PS10C	Pedagogical practices for Teaching-Learning under OBE	500	Guw	Contact	Urmila Kar	28/04/2025	02/05/2025	1	Faculty members and Technicians from Polytechnics, Engg. Colleges, Degree Colleges, Universities and other HEIs	After completion of the programme, the participants will be able to • Identify existing pedagogical practices in Higher Education. • Explore pedagogy for creating thinking classroom under OBE • Demonstrate pedagogy for creating effective learning environment
27	CU08C	Power Electronics & Its Applications in Sustainable Energy Sector	500	BBSR	Contact	Gayadhar Panda	28/04/2025	02/05/2025	1	Faculty, Staff and research scholar from all disciplines	After attending the programme, participants will be able to: • enhance knowledge in power electronics and its application
28	PS11A	Advanced Pedagogy	3000	Kolkata	ICT	Sagarika Pal	28/04/2025	09/05/2025	2	Faculty and Staff members from all discipline	After attending the programme, the participants will be able to • Identify the need for advanced pedagogy • Explain different advanced pedagogy approaches • Explain the quality issues in technical education and the role of teachers • Discuss recent trends in curriculum design • Map outcomes to learning activities • Practice a few active learning techniques • Engage students in complex problem solving and critical thinking • Design tools for assessing learning • Incorporate technology in teaching to enhance the teaching-learning process • Plan teaching for Education 4.0

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
29	CU19C	Application of MATLAB in Electrical Engineering	1000	Kolkata	Hybrid	Soumitra Kumar Mandal	28/04/2025	09/05/2025	2	Faculty and Lab Technician of Electrical Engineering and Allied discipline	After attending the programme, the participants will be able to • write MATLAB code for Numerical Analysis • implement MATLAB Applications in Electrical and Electronics Circuit • write MATLAB code for Control System Design • implement MATLAB Applications in Power System • explain the different aspect of MATLAB & • use MATLAB tool boxes in analysis, design and simulation of Power Electronics
30	PS12C	Laboratory Safety Management	1000	Kolkata	ICT	Subrata Mondal	28/04/2025	09/05/2025	2	Faculty and Staff members from all discipline	After attending this program, participants will be able to: • demonstrate the safety management in the laboratory work areas; • evaluate the risk assessment for the hazardous laboratory works; • identify the emergency and safety equipment for laboratory works; • demonstrate fire safety management in the laboratory work areas; • describe the waste management for the laboratory etc.
31	CU20B	Machine Learning With Engineering Application	1000	Kolkata	ICT	Chandan Chakraborty	05/05/2025	09/05/2025	1	Faculty of Engineering & Science, Allied disciplines	After completion of this course, the participants will be able to • Understand the fundamental concepts of machine learning and its role in various engineering applications. • Develop supervised and unsupervised learning models for solving engineering problems. • Analyze case studies on engineering applications such as structural health monitoring, energy forecasting, and manufacturing process optimization.

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
32	CU21A	Empowering Educators with AI: Navigating the Shift to Education 5.0	1500	In-house	Contact	Habiba Hussain	05/05/2025	09/05/2025	1	Faculty and Staff members from all discipline	Upon successful completion of the programme, participants will be able to - • Explain the importance of human centered approach in context of Education 5.0 • Explore the areas of instruction to integrate AI for learning enhancement • Plan assessment incorporating technology, for personalized feedback • Suggest ways to mitigate challenges in education using AI
33	CU22B	SCILAB Programming	1000	Kolkata	Contact	Kinsuk Giri	05/05/2025	09/05/2025	1	Faculty and Staff members from all discipline	On successful completion of the programme the participants will be able to • get an exposure on SCILAB • get an overview on solution techniques • solve problems using SCILAB
34	CU23C	Laoratory practice on building material & NDT	500	Kolkata	Hybrid	Mithu Dey	05/05/2025	09/05/2025	1	Faculty members civil and allied discipline	After attending the program, participants are expected to be able to • Explain the physical significance of laboratory tests on Concrete Materials. • Demonstrate to the students on different tests of Concrete Materials • Understand the concrete mix design • Familier with NDT test
35	CU24C	Overview of Green Manufacturing	500	Kolkata	ICT	Nirmal Kumar Mandal	05/05/2025	09/05/2025	1	Faculty and Staff members from Mechanical, Production, Industrial and allied discipline	After attending the programme the participants will be able to • Justify Green Manufacturing • Explain standards of Air pollution • Analyse Single Species Ecological Model
36	CU25C	Geotechnical Investigation Field and Laboratory Testing	500	BBSR	ICT	Naveen BP	05/05/2025	09/05/2025	1	Faculty members civil and allied discipline	

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
37	CU14B	Non-Conventional Energy	1000	Kolkata	Hybrid	Subrata Chattopadhyay	05/05/2025	09/05/2025	1	Faculty of Electrical, Electronics and Communication, Mechanical, Electronics & Instrumentation disciplines	After attending the course the participants will be able to • Understand different types of non conventional energy sources and their applications. • Understand solar energy, Utilization of it, Principles involved in solar energy. • Explore the concepts involved in wind energy • Illustrate Tidal and wave energy and explain the operational • Understand the Geothermal energy.
38	CU27C	Cyber Security	500	BBSR	Contact	Rajeev Chatterjee	12/05/2025	16/05/2025	1	Faculty of CSE, IT Computer Application, ECE, EIE and related discipline	After completion of this program, the participants will be able to: • • Explain the concept of Network and Internetwork security • • Illustrate Principles of Security • • Describe ISO 27001: 2013 • • Demonstrate Network infrastructure elements • • Explain Infrastructure level security • • Enlighten Application-level security • Demonstrate best practices in the cyber world.
39	CU28C	Waste Management – Benefits and Importance	1000	Kolkata	ICT	Sailendra Nath Mandal	12/05/2025	23/05/2025	2	Faculty and Staff of any discipline	After attending the programme the participants will be able to acquire – • knowledge of basic concept of solid waste, wastewater, sampling, preservation, analysis, standards, interpretation of result and disposal of wastewater, Solid waste, impact on human health, •skill of online live demonstration of different device, performing experiments, interpreting results, preparing test report, providing laboratory instructions to develop inquiring attitude among the student and evaluation of laboratory performance in related to drinking water testing laboratory, • attitude of live online lecture and demonstration in the laboratory/field

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
40	CU29C	Sustainable Energy & Environment	500	Kolkata	ICT	Gayadhar Panda	19/05/2025	23/05/2025	1	Faculty, Staff and research scholar from all disciplines	After attending the programme, participants will be able to: • understand sustainable energy practices and environmental impact
41	CU26C	Semiconductor: Devices, Applications and Prospects	500	Kolkata	Hybrid	Niladri Pratap Maity	19/05/2025	23/05/2025	1	Faculty members/Scientists/ Staffs of ECE/EE/CSE/IT/EEE/E&TC/EIE /Physics /Electronics and related subject	After attending the programme, the participants will be able to • Understand Basic of Semiconductor • Semiconductor Device Modeling Method • 2T MOS Modeling • MOSFET Modeling • Semiconductor Materials • Identify Semiconductor Devices • Modern Semiconductor Devices • Follow up High-k Dielectric materials • Follow recent govt. schemes for Semiconductor Mission
42	CU30C	Hands-on Practices in Additive and Subtractive Manufacturing Processes	1000	Kolkata	Contact	Arpan Kumar Mondal	19/05/2025	30/05/2025	2	Faculty members from Mechanical Engineering and similar fields	After attending the course the participants will be able to • Classify the various additive and subtractive manufacturing processes • Explain the working principle of various additive and subtractive manufacturing processes • Perform independently various additive and subtractive manufacturing processes

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
43	CU31C	Climate Change and Science behind it	500	BBSR	Contact	Anil Kumar and Kunwar Raghvendra Singh	19/05/2025	23/05/2025	1	Faculty, Disaster Managment Professionals, State Government officials from SDMAs, Urban & Housing, Water Resource and Environment Forest & Climate Change Department and others	Understanding Climate Change – Explore the fundamental science behind climate change, including greenhouse gases, global warming, and climate models. Causes and Impacts – Analyze natural and human-induced factors driving climate change and their effects on ecosystems, weather patterns, and societies. Mitigation Strategies – Discuss policies, technologies, and sustainable practices to reduce carbon footprints and combat climate change. Adaptation and Resilience – Develop strategies for adapting to climate change impacts, including disaster preparedness and ecosystem-based solutions. Role of Scientific Research – Examine how scientific studies and innovations contribute to climate action and policy-making. Integrating Climate Education – Encourage the inclusion of climate science in academic curricula and research initiatives.
44	PS13C	Professional Values, Ethics	500	Kolkata	ICT	Mithu Dey	19/05/2025	23/05/2025	1	Faculty and Staff members from all discipline	After attending the program, participants are expected to be able to • Explain the concept of Professional Values, Ethics and Attitude • Identify issues and challenges in ethical practice • Identify the ways and means for ensuring ethical behaviour by teachers • Practice the roles of 'Technical Teachers as Professionals' in establishing the; Guru-Shisya Parampara' in present context • Describe the roles of technical teachers in sustainibility developement

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
45	CU32C	Power Plant Engineering	500	Kolkata	Contact	Rayapati Subbarao	19/05/2025	23/05/2025	1	Faculty and Staff members from all discipline	At the end of the programme, the participants will be to: • paraphrase the basics of power plants. • recognise different types of power plants. • appreciate the need and importance of fuels in power section. • identify the necessity of newer fuels in transportation.
46	PS14C	Entrepreneurship Development	500	Kolkata	ICT	Subrata Mondal	19/05/2025	23/05/2025	1	Faculty and Staff members from all discipline	After attending this programme, participants will be able to: • explore concept of entrepreneurship; • identify internal and external factors for entrepreneurship; • explore characteristics of an entrepreneur; • explore entrepreneurial motivation and barrier; • explore stages in entrepreneur process; • explore research commercialization; • explore technology business incubation Centre etc.
47	CU33B	Sustainable Digital Supply Chain Management	1000	Kolkata	ICT	Deepak Mehra	19/05/2025	23/05/2025	1	Faculty Members, Research Scholars, Students of Technical and Management Institutions of all disciplines	After completion of the programme, the participants will be able to • Explain the significance of sustainability within supply chain management • Describe the relationship between digital supply chain strategies and sustainability • Apply digital supply chain tools • Analyze the impact of digital technologies on the sustainability of supply chains • Evaluate the effectiveness of sustainable practices in digital supply chains using sustainability performance metrics

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
48	CU34C	IP Networking	1000	Kolkata	Contact	Rajeev Chatterjee	19/05/2025	30/05/2025	2	Faculty of CSE, IT Computer Application, Electronics, discipline	After completion of this program, the participants will be able to: • Explain the concept of Computer Network and Internetwork, • Demonstrate Network Media and Topology • Identify the various components of Network and Internetwork, • Explain the various protocols in TCP/IP Suite, • Explain the concept of switching and routing, • Demonstrate configuration of the devices such as routers, switches, etc., • Design their own campus wide network and IT infrastructure
49	CU35C	Hands-on Practices on Arc Welding Process	500	Kolkata	Contact	Arpan Kumar Mondal	26/05/2025	30/05/2025	1	Faculty members from Mechanical Engineering and similar fields	After attending the programme the participants will be able to • Explain the principles of welding processes. • Perform independently various welding operations • Perform various testing of welds
50	PS15C	Effective teaching	500	BBSR	Contact	Urmila Kar	26/05/2025	30/05/2025	1	Faculty members and Technicians from Polytechnics, Engg. Colleges, Degree Colleges, Universities and other HEIs	After attending the programme, the participants will be able to • Identify Characteristics of effective teaching • Explain teaching methods, strategies and skills • Identify the parameters for assessment of teaching • Demonstrate lesson planning for innovative teaching • Demonstrate effective lesson delivery
51	CU36C	Fundamentals to Image Processing	500	Kolkata	ICT	Indrajit Saha	26/05/2025	30/05/2025	1	Faculty and Staff members from all discipline	After attending the programme, the participants will be able to • describe the fundamentals of image processing (IP) in MATLAB • apply MATLAB commands to do IP • explain image processing in classroom

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
52	CU132C	Power Quality Assessment and mitigation in Distribution Network	500	Kolkata	ICT	Papia Ray	26/05/2025	30/05/2025	1	Faculty and Staff members from Electrical Engineering and similar fields/ Research Scholars/ Industry Persons/Scientists	
53	CU37C	Bio-Medical Instrumentation	1000	Guw	Contact	Subrata Chattopadhyay	26/05/2025	30/05/2025	1	Faculty and staff from all disciplines	After attending the course, the participants will be able to • To understand Cells, Digestive System, Excretory System, Endocrinology • To describe Origins of electro-physiological signal and their characteristics • To design practical clinical sensors and transducers • To understand the operation of X-ray, Fluoroscopy and Radiography, Pacemaker, Magnetic Resonance Imaging etc. • To explain Electric shock hazards and safety devices
54	CU38C	Air Pollution Control and Management	500	Kolkata	ICT	Kunwar R Singh and Anil Kumar	26/05/2025	30/05/2025	1	Faculty, Staff and research scholar from all disciplines	After completion of the programme, the participants will be able to • Understand Air Pollution Fundamentals • Analyze Air Quality and Monitoring Techniques • Develop Air Quality Management Plans

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
55	CU39B	LABVIEW and IoT Applications	1000	Kolkata	Hybrid	Sagarika Pal	26/05/2025	30/05/2025	1	Faculty of Electrical, Electronics and Communication, Mechanical, Electronics & Instrumentation disciplines	After attending the programme the participant will be able to 1 Explain features of LABVIEW 2 Create VI files 3 Apply VI files in various fields 4 Apply Data Acquisition System in LABVIEW 5 Apply LBVIEW for IoT and Industrial Automation
56	CU40C	MATLAB Application in Control System, Electrical & Electronics Circuits Analysis	1000	Kolkata	Hybrid	Soumitra Kumar Mandal	26/05/2025	06/06/2025	2	Faculty and Lab Technician of Electrical Engineering and Allied discipline	After attending the programme, the participants will be able to • understand fundamentals of MATLAB • implement MATLAB Applications in Control System • explain the different aspect of Fuzzy Logic Control • develop simple model using Fuzzy tool box • implement MATLAB Applications in Electrical and Electronics Circuit Analysis
57	CU41C	Word Processing with LaTeX	500	Kolkata	ICT	Kinsuk Giri	02/06/2025	06/06/2025	1	Faculty, Staff and research scholar from all disciplines	On successful completion of the programme the participants will be able to • get exposure in Word Processing Tools • describe the fundamentals LaTeX programming • apply LaTeX for preparing scientific and non-scientific documents
58	CU42C	Sustainable waste Management	500	BBSR	Contact	Kunwar R Singh	02/06/2025	06/06/2025	1	Faculty, Staff and research scholar from all disciplin	After completion of the programme, the participants will be able to • Understand the Principles of Sustainable Waste Management • Analyze Types and Characteristics of Waste • Evaluate Waste Reduction and Resource Recovery Techniques • Assess Sustainable Treatment and Disposal Technologies • Develop Integrated Waste Management Plans

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management

Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline

Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
59	CU43A	Introduction to UN Sustainable Development Goals	1500	Kolkata	ICT	Subrata Mondal	02/06/2025	06/06/2025	1	Faculty and Staff members from all discipline	After attending this programme, participants will be able to: • Explain 17 UN SDGs; • Explore the emergence and development of the SDGs; • Understand how the different SDGs are interrelated; • Acquire an understanding of how the SDGs relate to addressing global challenges; • Understand how the SDGs are implemented etc.
60	CU123A	Application of AI/ML for Engineers	3000	Kolkata	Hybrid	K Venkata Rao and MS Jagadeesh	09/06/2025	21/06/2025	2	Faculty, Staff Members, Research scolars from any discipline	After completion of the program, the participants will be able to • Write code using PYTHON for engineering problems • Explore concepts of artificial intelligence • Develop innovative solutions to different engineering problems • Apply Image processing techniques like YOLO and SAM • Use hybrid deep learning techniques in solving complex problems • Optimize processes and systems for maximum performance • Develop online modeling and monitoring of systems • Enhance interdisciplinary collaboration and problem solving
61	MGT01B	Strategic Management Issues In Technical Instittions	1000	Kolkata	ICT	Sukanta Kumar Naskar	09/06/2025	13/06/2025	1	Faculty, administrator and Staff members from all discipline	After attending the programme the participants will be able to: • Understand the concept of strategic management • Apply the concept of strategic planning • Identify steps of strategic planning • Apply different tools of management

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
62	CU44C	Industrial Drive & EV systems	500	Kolkata	ICT	Gayadhar Panda	09/06/2025	13/06/2025	1	Faculty, Staff and research scholar from all disciplines	After attending the programme, participants will be able to: • learn about industrial drives and electric vehicle systems
63	CU45C	Environmental Management	500	Kolkata	Hybrid	Anil Kumar and Kunwar Raghvendra Singh	09/06/2025	13/06/2025	1	Faculty, Disaster Managment Professionals, State Government officials from SDMAs, Urban & Housing, Water Resource and Environment Forest & Climate Change Department and others	Understanding Environmental Issues – Develop awareness of key environmental challenges, including pollution, deforestation, and biodiversity loss. Sustainable Resource Management – Explore strategies for managing natural resources sustainably to balance ecological and economic needs. Waste Management & Circular Economy – Promote effective waste reduction, recycling, and sustainable production practices. Environmental Policies & Regulations – Understand national and global environmental laws, policies, and compliance frameworks. Climate Change & Mitigation – Discuss the impact of climate change and explore mitigation and adaptation strategies.
64	CU46C	Laboratory tests on Concrete and Bitumen	500	BBSR	Contact	Naveen BP	09/06/2025	13/06/2025	1	Faculty and laboratory technicians of relevant discipline	Participants will be trained in the standard procedures, technical importance
65	CU47C	Introduction to Data Science	500	Kolkata	ICT	Indrajit Saha	09/06/2025	13/06/2025	1	Faculty, Staff and research scholar from all disciplines	After attending the program, the participants will be able to • analyze the data using various statistical methods in MATLAB • visualize the data for better understanding • develop prediction model for real-life data driven problems in MATLAB

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
66	CU48C	Network Infrastructure Management	1000	Kolkata	Contact	Rajeev Chatterjee	09/06/2025	20/06/2025	2	Faculty of CSE, IT Computer Application, Electronics, discipline	After completion of this program, the participants will be able to: • Explain the concept of Computer Network and Internetwork, • Identify the various components of Network and Internetwork, • Explain the various protocols in TCP/IP Suite, • Explain the concept of switching and routing, • Explain LAN and VLAN, • Demonstrate configuration of the devices such as routers, switches, etc., • Data Centre Management • Explain the concept of network security. • Explain the Working Principle of Storage System
67	CU49A	Industrial Automation	1500	Kolkata	Hybrid	Subrata Chattopadhyay	09/06/2025	20/06/2025	2	Faculty of Electrical, Electronics and Communication, Mechanical, Electronics & Instrumentation disciplines	After attending the course, the participants will be able to • Familiar with closed loop control system • Understand the pressure, Temperature, Flow & Level Measurement system • Know hazardous area classification • Utilize the electrical instruments in hazardous area in process plant • Design the conventional complex control system like ratio, cascade, feed forward, selective, override etc. • Apply the control system in distillation column in industry • Know the fundamental of PLC, DCS and SCADA

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
68	PS16A	Advanced Pedagogy	3000	Kolkata	ICT	Urmila Kar	09/06/2025	20/06/2025	2	Faculty members and Technicians from Polytechnics, Engg. Colleges, Degree Colleges, Universities and other HEIs	After attending the programme, the participants will be able to • Explore innovative approaches in curriculum design and development for higher education • Evaluate contemporary pedagogical practices in Higher Education • Promote Outcome Based Education • Incorporate technology in teaching to enhance the teaching learning process • Identify innovative pedagogical practices in higher education • Engage students in complex problem solving and critical thinking • Develop teaching style to match learning styles of students • Design tools for assessing learning • Plan teaching for Education 4.0
69	CU50A	Sustainable Waste and Wastewater Engineering	1500	Kolkata	Hybrid	Kunwar R Singh and Anil Kumar	09/06/2025	20/06/2025	2	Faculty, Staff and research scholar from all disciplines	After completion of the programme, the participants will be able to • Understand Waste and Wastewater Characteristics • Apply Principles of Waste and Wastewater Treatment • Evaluate Treatment Technologies • Design Waste and Wastewater Management Systems • Promote Sustainability and Innovation
70	PS17C	NBA Accreditation and SAR Preparation for Engineering Colleges and Polytechnics	500	Kolkata	ICT	Arpan Kumar Mondal	16/06/2025	20/06/2025	1	Faculty, Staff and research scholar from all disciplines	After attending the course the participants will be able to • Identify the Impact of NBA Accreditation • Prepare Vision, Mission, PEO, and PSO • Prepare CO-PO mapping • Learn how to prepare pre-qualifiers and SAR. • Practice the programme-level criteria • Understand the Washington accord

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
71	CU51C	Air, Water, Noise Pollution and Human Health	500	BBSR	Contact	Sailendra Nath Mandal	16/06/2025	20/06/2025	1	Faculty, Staff and research scholar from all disciplines	After attending the programme the participants will be able to gain and develop • knowledge of basic concept of Air, Water, Noise pollution and impact on human health, • skill of handling conventional and modern sophisticated equipment, preparation of laboratory instruction sheets, interpreting experimental results, providing laboratory instruction such as to develop in enquiring attitude among students, preparing related test reports, • attitude of hands-on-working in the laboratory/field. (Plant Visit)
72	CU52C	Data Science in Engineering	500	Kolkata	ICT	Nirmal Kumar Mandal	16/06/2025	20/06/2025	1	Faculty, Staff and research scholar from all disciplines	After attending the programme the participants will be able to • Model a physical system • Classify data • Use MATLAB
73	PS18C	NBA Accreditation and SAR preparation	500	Kolkata	Contact	Rayapati Subbarao	16/06/2025	20/06/2025	1	Faculty, Staff and research scholar from all disciplines	After attending the programme, the participants will be able to • Identify stages in thesis writing. • Discuss the results in a refined way. • Identify the scope of a thesis. • Derive conclusions from the plots and contours made. • Learn how to guide/write M.S/Ph.D thesis. • Communicate a paper in their area of research.
74	CU53B	PLC Programming and its Applications	1000	Kolkata	Hybrid	Sagarika Pal	16/06/2025	20/06/2025	1	Faculty of Electrical, Electronics and Communication, Mechanical, Electronics & Instrumentation disciplines	After attending the programme the participants will be able to 1 Describe the architecture of PLC 2 Develop PLC Programs 3 Apply PLC in developing PID Controller 4 Apply PLC for various automation systems

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
75	CU54C	Artificial Intelligence Application in Electrical Engineering	500	Kolkata	Hybrid	Soumitra Kumar Mandal	16/06/2025	20/06/2025	1	Faculty and Lab Technician of Electrical Engineering and Allied discipline	After attending the programme, the participants will be able to • explain the concepts of biological foundations of artificial neural network • describe feedback networks • apply the concept of fuzzy logic • apply ANN and Fuzzy in Electrical Engineering
76	CU55B	Functional Textiles and Protections	1000		ICT	Subrata Mondal	16/06/2025	20/06/2025	1	Chemical Engg. Mechanical Engg., Science, Textiles Engg., Materials Sci. & Engg., Polymer Engg. and allied disciplines	After attending this program, participants will be able to: • explain the concept of functional textiles. • explain heat and moisture management in the clothing. • explore the UV blocking textiles. • describe the nanotechnology applications for the functional textiles. • explore the medical textile etc.
77	CU56B	Application of finite element method in engineering using advanced software	2000	Kolkata	Hybrid	Mithu Dey	16/06/2025	27/06/2025	2	Faculty, Staff and research scholar from all disciplines	After attending the programme, the participants will be able to • Explain the concept of structural analysis • Apply the diffenet method of strxuturala analysis. • Apply the FEM for problem solving • Handle the FEM based software. • Solve the engineering problem using this software
78	MGT02B	Digital Human Resource Management	1000	Kolkata	ICT	Deepak Mehra	23/06/2025	27/06/2025	1	Faculty Members, Research Scholars, Students of Technical and Management Institutions of all disciplines	After completion of the programme, the participants will be able to • **explain** the role of digital technologies in enhancing human resource processes • **apply** digital HR tools to real-world case studies, demonstrating their ability to automate • **analyse** and **compare** the effectiveness of various digital HR platforms • **critically assess** the impact of digital transformation on HR functions

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
79	CU10C	Disaster Risk Resilience	500	Kolkata	Hybrid	Anil Kumar and Kunwar Raghvendra Singh	23/06/2025	27/06/2025	1	Faculty, Climate Professionals, State Government officials from SDMA, Urban & Housing, Water Resource and Environment Forest & Climate Change Department and others	Understanding Disaster Risk – Build knowledge on disaster types, causes, and impacts. Risk Assessment & Management – Develop skills to assess and mitigate disaster risks effectively. Preparedness & Response Strategies – Enhance capabilities in disaster preparedness, response, and recovery. Resilient Infrastructure & Planning – Promote sustainable practices for disaster-resilient infrastructure and communities. Multi-Stakeholder Collaboration – Strengthen coordination between government, academia, NGOs, and industry. Integration into Education & Research – Incorporate disaster risk reduction (DRR) into teaching and research initiatives.
80	CU118C	STTP: Renewable Energy System and its efficient utilization	500	Kolkata	ICT	Papia Ray	23/06/2025	27/06/2025	1	Faculty/ Staff/ Research Scholars from all discipline	After completion of the program, the participants will be able to • describe the basic principles of energy conversion, types of renewable energy system, advantages and its need • apply control algorithm in power conversion and extraction of power. • Explain real time applications of various renewable energy-based systems
81	PS19C	Induction Training	1000	Kolkata	ICT	Habiba Hussain	23/06/2025	04/07/2025	2	Faculty, Staff and research scholar from all disciplines	Upon successful completion of the programme, participants will be able to • Identify the essential components of teaching-learning system vis-à-vis the role of a teacher • Explain the process of curriculum development • Decide teaching strategies • Incorporate teaching skills in delivery • Plan instruction • Include ICT tools in their teaching • Decide tools for learning assessment • Manage classroom behaviour.

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
82	PS20B	Research and Publication Ethics	1000	BBSR	Contact	Niladri Pratap Maity	30/06/2025	04/07/2025	1	Faculty and Staff members from all discipline	After attending the programme, the participants will be able to • Define research • Identify different aspects of research. • Appreciate the four elements of writing a research thesis. • Follow Research Integrity and Publication Ethic • Follow several ethical issues • Identify Error and Fraud in research • Prepare Database and research metrics • Follow how to publish research outcomes
83	CU57C	Air, Water, Noise Pollution and Human Health	500	Guw	Contact	Sailendra Nath Mandal	30/06/2025	04/07/2025	1	Faculty and Staff of any discipline	After attending the programme the participants will be able to gain and develop • knowledge of basic concept of Air, Water, Noise pollution and impact on human health, • skill of handling conventional and modern sophisticated equipment, preparation of laboratory instruction sheets, interpreting experimental results, providing laboratory instruction such as to develop in enquiring attitude among students, preparing related test reports, • attitude of hands-on-working in the laboratory/field. (Plant Visit)
84	CU58B	Additive Manufacturing of Polymers for Biomedical Applications	1000	Kolkata	ICT	Subrata Mondal	30/06/2025	04/07/2025	1	Chemical Engg. Mechanical Engg., Science, Textiles Engg., Materials Sci. & Engg., Polymer Engg. and allied disciplines	After attending this program, participants will be able to: • explore the state-of-the-art additive manufacturing research; • describe different types of additive manufacturing processes; • identify property requirements of materials for the biomedical applications; • describe advantages of polymer for the biomedical applications; • fabricate various biomedical implants by using 3-D printing process etc.

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management

Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline

Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
85	PS21B	NEP 2020: Implementation strategy in Higher Educational Institutes	1000	Kolkata	e-STTP	Urmila Kar	30/06/2025	04/07/2025	1	Faculty members and Technicians from Polytechnics, Engg. Colleges, Degree Colleges, Universities and other HEIs	After completion of the programme, the participants will be able to • Explain the New vision and major reforms identified in NEP 2020 • Identify the issues and challenges in • implementation of NEP 2020 for HEIs • Prepare Institutional Development Plan (IDP)
86	PS22C	NBA Accreditation and SAR preparation	1000	Kolkata	Contact	Rayapati Subbarao	30/06/2025	11/07/2025	2	Faculty of all disciplines from ploytechnics, engineering colleges/ Universities	After attending the programme, the participants will be able to: • Identify the Impact of NBA Accreditation • Prepare Vision, Mission, Program Educational Objectives • Prepare Outcomes and Program Outcomes • Learn how to prepare SAR. • Practice Criteria i to x.
87	CU59C	Water Security	500	Kolkata	Hybrid	Anil Kumar and Kunwar R Singh	07/07/2025	11/07/2025	1	Faculty, Environmental Managment Professionals, State Government officials from SDMAs, Urban & Housing, Water Resource and Environment Forest & Climate Change Department and others	Understanding Water Security – Explore the concept of water security, its importance, and challenges in the global and local context. Water Resource Management – Develop strategies for sustainable water conservation, distribution, and efficient usage. Climate Change & Water Scarcity – Analyze the impact of climate change on water availability and explore mitigation and adaptation measures. Innovative Technologies in Water Security – Learn about advancements in water treatment, desalination, rainwater harvesting, and smart water management.
88	CU60C	PYTHON Programming	500	Kolkata	Contact	Kinsuk Giri	07/07/2025	11/07/2025	1	Faculty and Staff of any discipline	On successful completion of the programme the participants will be able to • understand and explain the different aspects of PYTHON • apply PYTHON to solve problems • use PYTHON for visualizations

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
89	CU124B	Steps to write a thesis and research article	1000	Kolkata	Contact	K Venkata Rao	07-07-2025	11-07-2025	1	Faculty and Research scolars from any discipline	After completion of the program, the participants will be able to • Define research problem • Evaluate relevant papers in literature review • Apply relevant modeling and analysis approaches in results and discussion • Draft a research article having connectivity and readability • Write thesis in logical order
90	**CU119B**	Application of meta-heuristic techniques in smart power system operation, control and protection	1000	Kolkata	**Hybrid**	Papia Ray	**07/07/2025**	**11/07/2025**	1	Faculty/ Staff/ Research Scholars from all discipline	After completion of the program, the participants will be able to • describe the basic principles and concepts of power system, its operation, control and protection • apply control algorithm in power system analysis and protection • Implement signal processing based techniques for power system operation, control and protection • Analyze about metaheuristic techniques in power system and its application
91	CU61A	Introduction to Software-Defined Networking (SDN)	1500	Kolkata	ICT	Rajeev Chatterjee	07/07/2025	11/07/2025	1	Faculty of CSE, IT Computer Application, Electronics, discipline	After completion of this program, the participants will be able to: • Explain the concept of SDN, • Demonstrate controller management in SDN, • Exhibit the SD based WAN & Mobile Networks, and • Explain Security issues and Back-up Restoration in SDN.

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
92	CU128C	Python Programming	500	Kolkata	Hybrid	Jagadeesh M S	07-07-2025	11-07-2025	1	Faculty, Staff Members, Research scolars from any discipline	After completion of the program, the participants will be able to • Understand Python Syntax and Structure • Develop Problem-Solving Skills with Python • Work with Python Libraries and Frameworks • Implement Object-Oriented Programming (OOP) Principles • Collaborate and Share Code Using Git Boost Career Readiness for Python Development Roles
93	CU62B	Sensing in Industrial Automation	1000	Kolkata	Contact	Subrata Chattopadhyay	07/07/2025	11/07/2025	1	Faculty of Electrical, Electronics and Communication, Mechanical, Electronics & Instrumentation disciplines	After completing the course the participants will be able to • Differentiate sensors, transducers and actuators • Classify different sensors, transducers and actuators in industry • Apply various process control techniques • Explain the concept of Smart sensors in modern instrumentation
94	CU63C	ANN and Fuzzy Logic Control in Electrical Engineering	500	Kolkata	Hybrid	Soumitra Kumar Mandal	07/07/2025	11/07/2025	1	Faculty and Lab Technician of Electrical Engineering and Allied discipline	After attending the programme, the participants will be able to • explain the concepts of neural network • describe various models of ANN • explain the different aspect of Fuzzy Logic Control • develop simple model using Fuzzy tool box • apply ANN and Fuzzy Logic for control and monitoring

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
95	CU64A	Fundamental and Applications of Nanomaterials	1500	Kolkata	ICT	Subrata Mondal	07/07/2025	11/07/2025	1	Faculty and Staff of any discipline	After attending this program, participants will be able to: • explore the concept of nanotechnology; • describe the fundamental of nanoscale materials' properties; • identify various carbon based nanomaterials; • describe applications of nanomaterials in various fields; • explain the nano toxicology and nano safety etc.
96	CU65B	Integrated Water Resource Management	1000	Kolkata	Hybrid	Kunwar R Singh and Anil Kumar	07/07/2025	11/07/2025	1	Faculty, Staff and research scholar from all disciplines	After completion of the programme, the participants will be able to • Understand Principles of Water Resource Management • Assess Water Resources and Demand • Apply Integrated Approaches for Water Management • Evaluate Water Policies and Legal Frameworks • Design Sustainable Water Management Strategies
97	PS23A	Advanced Pedagogy	3000	Kolkata	ICT	Nirmal Kumar Mandal	07/07/2025	11/07/2025	2	Faculty and Staff members from all discipline	After attending the programme the participants will be able to • Use Bloom's Taxonomy in Teaching-Learning Systems • Set question papers in accordance with Bloom's Taxonomy
98	CU66B	Practices on Material Characterization Techniques	2000	Kolkata	Contact	Arpan Kumar Mondal	07/07/2025	18/07/2025	2	Faculty members from Mechanical Engineering and similar fields	After completion the programme, the participants will be able to • Classify various mechanical characterization methods. • Explain the principles of various testing processes. • Practice on various testing methods viz. tensile testing, impact testing, hardness testing, metallurgical characterization, tribological characterization, etc.

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management

Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline

Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
99	PS24B	Advanced teaching for modern teachers	2000	Kolkata	Hybrid	Mithu Dey	07/07/2025	18/07/2025	2	Faculty members from civil and allied discipline	After attending the program, participants are expected to be able to • Demonstarte the advanced E tool for teaching • Use the Etool in teaching • Select the suitable advanced teaching method • Prepare E Content for student
100	PS25C	Approaches In Developing Curriculum	500	Kolkata	ICT	Sukanta Kumar Naskar	14/07/2025	18/07/2025	1	Faculty, Staff and research scholar from all disciplines	After attending the training programme , participants will be able to: • Analyze the components of a curriculum • Understand the different approaches (Including modern approaches in developing curricula • To develop sample curriculum
101	PS26C	Soft Skills for 21st century academics	500	Kolkata	ICT	Habiba Hussain	14/07/2025	18/07/2025	1	Faculty members from all discipline	Upon successful completion of the programme, participants will be able to • Develop greater self-confidence for managing change & dealing with learning challenges • Communicate with prospective leaders • Explain the role of self-awareness in managing stress • Develop emotionally intelligent workforce for a brighter tomorrow • Build in resilience for sustainability
102	CU67B	Modelling with AUTOCAD and SOLIWORKS	1000	Kolkata	Contact	Nirmal Kumar Mandal	14/07/2025	18/07/2025	1	Faculty, Staff and research scholar from all disciplines	After attending the programme the participants will be able to • Use various drafting and editing tools • Model 3D parts using AUTOCAD and SOLIWORKS

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
103	CU69C	Digital Logic with CMOS IC Design	500	Kolkata	ICT	Niladri Pratap Maity	14/07/2025	18/07/2025	1	Faculty members/Scientists/ Staffs of ECE/EE/CSE/IT/EEE/E&TC/EIE /Physics /Electronics and related subject	After attending the programme, the participants will be able to • Basic of Digital Logic Design • Follow Combinational Circuit Design • Basic of CMOS Design • Digital CMOS Combinational Circuit Design • Introduction of different tools using for Digital Circuit Design • Overview of VHDL/Verilog • Selection of alternative Material for IC Technology • Follow recent govt. schemes for CMOS IC Design
104	PS27C	Outcome Based Accreditation and NBA		Kolkata	ICT	Urmila Kar	14/07/2025	18/07/2025	1	Faculty members and Technicians from Polytechnics, Engg. Colleges, Degree Colleges, Universities and other HEIs	After completion of the programme, the participants will be able to • explain the need for and features of Outcome Based Education (OBE) • justify the requirement of Outcome Based Accreditation (OBA) • identify parameters for OBA • explain the features of Outcome Based Curriculum (OBC) • identify outcome based learning-teaching and assessment processes • explain the process of preparing self-assessment report (SAR) for Accreditation by NBA

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
105	CU70B	Highway Materials and Testing	1000	Kolkata	Contact	Kunwar R Singh	14/07/2025	18/07/2025	1	Faculty and support staff from civil and allied branches	After completion of the programme, the participants will be able to • Understand the Properties of Highway Materials • Select Appropriate Materials for Highway Projects • Conduct Standardized Laboratory Tests • Understand Material Specifications and Standards • Evaluate Pavement Design and Construction Materials
106	PS28B	Teaching Methodology	1000	Kolkata	ICT	Habiba Hussain	21/07/2025	25/07/2025	1	Faculty members from all discipline	Upon successful completion of the programme, participants will be able to • Analyse components in teaching • Explain different teaching methods • Identify the elements of student motivation • List the principles of learning • Incorporate assessment as an integral part of teaching.
107	PS29C	Effective Teaching and Research	500	Kolkata	ICT	Indrajit Saha	21/07/2025	25/07/2025	1	Faculty, Staff and research scholar from all disciplines	After attending the program, the participants will be able to • conduct classes in active and passive teaching modes • apply digital tools in classroom teaching • explain and conduct research for academic development
108	CU120C	Design and development of Distributed Power Generation System and microgrid	500	Kolkata	ICT	Papia Ray	21/07/2025	25/07/2025	1	Faculty/ Staff/ Research Scholars from all discipline	After completion of the program, the participants will be able to • describe the basic and operation of distributed power generation, type of generators and power conversion system. • apply control schemes in distributed power generation system with one source or multiple sources. • Explain real time applications

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
109	PS43C	Technical Paper and Thesis Writing Using Latex	500	Kolkata	Contact	Jagadeesh M S	21-07-2025	25-07- 2025	1	Faculty and Research scolars from any discipline	After completion of the program, the participants will be able to • Understand the Fundamentals of LaTeX • Prepare Well-Formatted Research Documents • Automate References and Bibliographies • Improve Research Presentation Quality • Boost Productivity in Academic Writing • Cultivate Confidence in Technical Writing
110	CU125C	Advanced Manufacturing Processes	500	Kolkata	Hybrid	K Venkata Rao	21-07-2025	25-07-2025	1	Faculty and Research scolars from Mechanical/Production Engineering	After completion of the program, the participants will be able to • Explore different advanced manufacturing techniques • Explore **predictive maintenance u**sing sensors and AI to trouble shoot • Simulate concept of direct energy deposition • Apply industry 4.0 technologies
111	CU71C	Machine Learning with R	500	Kolkata	Contact	Kinsuk Giri and Chandan Chakrabarty	21/07/2025	25/07/2025	1	Faculty, Staff and research scholar from relevent disciplines	On successful completion of the programme the participants will be will be accomplished with • The notion of Machine Learning and its impact on future employment • Overview of R programming • Exposure of supervised and unsupervised ML techniques • Hands-on-practice of ML algorithms implementation using R • Explore for problem solving

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
112	CU72C	Integrated Circuit Design	500	Kolkata	Hybrid	Niladri Pratap Maity	21/07/2025	25/07/2025	1	Faculty members/Scientists/ Staffs of ECE/EE/CSE/IT/EEE/E&TC/EIE /Physics /Electronics and related subject	After attending the programme, the participants will be able to • Basic of IC Design • Follow Electron Device Modeling • Follow IC circuit Design Methodology • Prepare Digital IC Design • Basic of different IC Design Tools • Identify different CAD tools • Material for Modern IC Design • Follow up High-k Dielectric materials • Follow recent govt. schemes for IC Design
113	CU73A	Mobile and Wireless Network	1500	Kolkata	Hybrid	Rajeev Chatterjee	21/07/2025	25/07/2025	1	Faculty of CSE, IT Computer Application, Electronics, discipline	After completion of this program, the participants will be able to: • Explain the basic concept of mobile and wireless network • Design of Enterprise Wireless LAN • Explain Mobile IP Network • Explain IdAM system
114	PS30C	Utilisation of Instructional Media and Courseware in Effective Teaching Learning Process	500	BBSR	Contact	Subrata Chattopadhyay	21/07/2025	25/07/2025	1	Faculty and staff of all disciplines	After attending the course the participants will be able to • Understand the utility of instructional media in effective teaching • Familiar with the computer to be used as instructional media and its advantages and limitations • Understand the courseware and its implementation through Computer assisted instruction • A model class with CAI • Design and Developmeent of courseware

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
115	CU74B	Advanced Industrial Automation	1000	Kolkata	Hybrid	Sagarika Pal	21/07/2025	25/07/2025	1	Faculty of Electrical, Electronics and Communication, Mechanical, Electronics & Instrumentation disciplines	After attending the programme the participant will be able to • Explain Conventional control techniques for industrial automation • Describe complex controls such as ratio, cascade, feed forward etc. • Develop programme on PLC and DCS for process automation • Explain SCADA systems for various process control systems
116	CU75C	Environmental Pollution and Climate Change	500	Kolkata	ICT	Sailendra Nath Mandal	21/07/2025	25/07/2025	1	Faculty and Staff of any discipline	After attending the programme the participants will be able to acquire – • knowledge of basic concept of different parameter of Air, Water, Noise Pollution and Climate Change • skill of online live demonstration of different device, performing experiments, interpreting results, preparing test report, providing laboratory instructions to develop inquiring attitude among the student and evaluation of laboratory performance in related to Air, Water, Noise Pollution laboratory, • attitude of live online lecture and demonstration in the laboratory/field
117	CU76B	Polymer Composites and Nanocomposites	1000		ICT	Subrata Mondal	21/07/2025	25/07/2025	1	Faculty of Chemical Engg. Mechanical Engg., Science, Textiles Engg., Materials Sci. & Engg., Polymer Engg. and allied disciplines	After attending this program, participants will be able to: • explain the fundamental concept of nanotechnology; • differentiate the microfillers and nanofillers; • explore the fundamental of polymeric composites and nanocomposites; • describe the properties of polymeric composites and nanocomposites; • explain the applications of polymeric composites and nanocomposites etc.

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
118	CU77B	Mechanical Testing of Materials	1000	Kolkata	Contact	Arpan Kumar Mondal	21/07/2025	01/08/2025	2	Faculty members from Mechanical Engineering and similar fields	After completion the programme, the participants will be able to • Classify various mechanical characterization methods. • Explain the principles of various testing processes. • Practice on various testing methods viz. tensile testing, impact testing, hardness testing, metallurgical characterization, tribological characterization, etc.
119	PS31B	Thinking Classroom and Life-long Learning	1000	Kolkata	ICT	Urmila Kar	28/07/2025	01/08/2025	1	Faculty members and Technicians from Polytechnics, Engg. Colleges, Degree Colleges, Universities and other HEIs	After completion the programme, the participants will be able to • identify features of learning-teaching system in HE • analyse the learning preferences of students • explain the need for Thinking Classroom and Life Long Learning • identify innovative approaches for creating • Thinking Classroom • explore the ways to faciliate active learning and life-long learning into HEIs.

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
120	CU79C	Human Factors and Ergonomics in Smart Factories	500	BBSR	Hybrid	Deepak Mehra	28/07/2025	01/08/2025	1	Faculty Members, Research Scholars, Students of Technical and Management Institutions of all disciplines	After completion of the programme, the participants will be able to • Recall key ergonomic principles and smart factory technologies, such as automation and AI. • Explain the importance of human factors in improving safety and performance in smart factory environments. • Apply ergonomic principles to optimise workstation design and human-machine interactions. • Analyse potential ergonomic risks and propose practical solutions for smart factory workers. • Evaluate the effectiveness of ergonomic solutions in enhancing worker comfort, efficiency, and safety.
121	CU80B	Testing Of Pavement Materials	1000	Kolkata	Hybrid	Mithu Dey	28/07/2025	01/08/2025	1	Faculty members from civil and allied discipline	After attending the program, participants are expected to be able to • Explain the physical significance of laboratory tests on pavements Materials. • Demonstrate to the students on different tests of pavement Materials • Understand the Marshal stability test
122	MGT04C	Managerial Skills for Technical Teachers and staff	500	Kolkata	ICT	Sukanta Kumar Naskar	28/07/2025	01/08/2025	1	Faculty, Staff and research scholar from all disciplines	After attending the training programme participants will be able to: • Demonstrate the managerial skill effectively • □ Identify managerial skills of a teacher

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
123	CU81C	Climate Change-Mitigation and Adaptation	500	Guw	Contact	Anil Kumar	04/08/2025	08/08/2025	1	Faculty, Disaster Managment Professionals, State Government officials from SDMAs, Urban & Housing, Water Resource and Environment Forest & Climate Change Department and others	Understanding Climate Change Science – Explore the scientific basis of climate change, its causes, and impacts on ecosystems and societies. Mitigation Strategies – Develop knowledge on reducing greenhouse gas emissions through renewable energy, carbon sequestration, and sustainable practices. Adaptation Approaches – Learn strategies for enhancing resilience in agriculture, infrastructure, and communities against climate-related risks. Climate Policies & Governance – Understand national and global climate policies, agreements (e.g., Paris Agreement), and regulatory frameworks. Technology & Innovation – Explore emerging technologies for climate resilience, including smart grids, carbon capture, and nature-based solutions. Disaster Preparedness & Risk Management – Strengthen disaster resilience by integrating climate adaptation into planning and policy-making.
124	CU82C	Advanced Welding Processes	500	Kolkata	ICT	Arpan Kumar Mondal	04/08/2025	08/08/2025	1	Faculty members from Mechanical Engineering and similar fields	After attending the program the participants will be able to • Explain the principles of advanced welding processes. • Understand the physics of welding
125	CU126B	Robotics	1000	Kolkata	Hybrid	K Venkata Rao	04-08-2025	08-08-2025	1	Faculty, Staff Members, Research scolars from any discipline	After completion of the program, the participants will be able to • Describe anatomy of industrial robots • Explain kinematics of industrial robots • Describe sensors and AI used in robots • Explain trajectory planning in different applications

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
126	CU129C	Machine Learning With Python	500	Kolkata	Hybrid	Jagadeesh M S	04-08-2025	08-08-2025	1	Faculty, Staff Members, Research scolars from any discipline	After completion of the program, the participants will be able to • Understand Core Machine Learning Concepts • Implement Machine Learning Models Using Python • Prepare and Preprocess Data for Machine Learning • Apply ML Learning Algorithms • Handle Real-World Machine Learning Challenges • Enhance Career Opportunities in AI & Data Science
127	CU83B	Research Methodology & Data Analysis	1000	Kolkata	Hybrid	Chandan Chakraborty	04/08/2025	08/08/2025	1	Faculty, Staff and research scholar from all disciplines	After completion of this course the participants will be competent enough to • Develop understanding of the research design, interdisciplinary research in the line of NEP 2020. • Explore about systematic literature review with PRISMA • Excel in-depth knowledge in statistical methods and models • Explore testing of hypothesis for scientific validation of research hypothesis. • Hands-on-training on statistical data analysis • Paper writing, thesis reporting etc.
128	MGT03C	Leadership & People management skills	500	Kolkata	ICT	Habiba Hussain	04/08/2025	08/08/2025	1	Faculty members from all discipline	Upon successful completion of the programme, participants will be able to • Explain academic leadership • Empower learners with leadership qualities • Manage people for greater efficiency • Promote a positive work culture

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
129	CU84B	Fundamentals of Soft Computing	1000	Kolkata	ICT	Indrajit Saha	04/08/2025	08/08/2025	1	Faculty, Staff and research scholar from all disciplines	After attending the program, the participants will be able to • describe the fundamentals of Soft Computing • explain the fundamentals of Fuzzy Logic (FL), Evolutionaly Computing (EC) and Artificial Neural Network (ANN) • explain FL, EC and ANN in classroom
130	PS32A	Research Methodology	1500	Kolkata	ICT	Niladri Pratap Maity	04/08/2025	08/08/2025	1	Faculty and Staff members from all discipline	After attending the programme, the participants will be able to • Understand research • Follow step by step research methodologies • Define ethics and research integrity • Understand different ethical issues • How to write research papers • Follow funding opportunities for different sponsored projects • Prepare project proposals
131	CU85A	Thermal Engineering	1500	Kolkata	ICT	Rayapati Subbarao	04/08/2025	08/08/2025	1	Faculty, Staff and research scholar from all disciplines	At the end of the programme, the participants will be to: • interpret the working principle and features of steam engines, turbines and condensers. • explain the basics of I.C. Engines and analyze the performance. • identify the functions of gas turbines and power plants.
132	CU86B	Advance programming in C	1000	Kolkata	Contact	Rajeev Chatterjee	04/08/2025	08/08/2025	1	Faculty of all discipline	After completion of this program, the participants will be able to: • Demonstrate the working with multi-dimensional arrays and structure. • Execute programs with pointers, • Write modular programs using functions, • Design and execute programs using dynamic memory allocations

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
133	CU87B	Public Health Engineering Laboratory	1000	Kolkata	ICT	Sailendra Nath Mandal	04/08/2025	08/08/2025	1	Faculty and Staff of any discipline	After attending the programme the participants will be able to acquire – • knowledge of basic concept of different parameter of Public Health Engineering Laboratory • skill of online live demonstration of different device, performing experiments, interpreting results, preparing test report, providing laboratory instructions to develop inquiring attitude among the student and evaluation of laboratory performance in related to Public Health Engineering Laboratory, • attitude of live online lecture and demonstration in the laboratory/field
134	CU88C	Industrial Electronics and Electric Vehicle	500	Kolkata	Hybrid	Soumitra Kumar Mandal	04/08/2025	08/08/2025	1	Faculty and Lab Technician of Electrical Engineering and Allied discipline	After attending the programme, the participants will be able to • study the operating principle and characteristics of industrial electronics devices • describe operation and control of converters • applications of converters in Electric vehicle
135	CU89B	Advanced Materials Science and Engineering	1000	Kolkata	ICT	Subrata Mondal	04/08/2025	08/08/2025	1	Faculty of Chemical Engg. Mechanical Engg., Science, Textiles Engg., Materials Sci. & Engg., Polymer Engg. and allied disciplines	After attending this program, participants will be able to: • explain the structure sensitive properties of polymers, metals and alloys; • explain the fundamental of nanomaterials, types of nanomaterials, principle methods of nanomaterials preparation, properties and applications; • explain types, manufacturing process, properties and applications of metal matrix, ceramic matrix and polymer matrix composites/nanocomposites; • explain biocompatible and biodegradable materials, characteristics and applications for various biomaterials etc.

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
136	CU90C	Environmental Impact Assessment and Climate Resilience	500	Kolkata	ICT	Kunwar R Singh and Anil Kumar	04/08/2025	08/08/2025	1	Faculty, Staff and research scholar from all disciplines	After completion of the programme, the participants will be able to • Understand the Principles of Environmental Impact Assessment • Evaluate Environmental Impacts • Develop Environmental Management Plans
137	CU93C	Renewable Energy Systems	500	Kolkata	ICT	Gayadhar Panda	04/08/2025	08/08/2025	1	Faculty, Staff and research scholar from all disciplines	After attending the programme, participants will be able to: • study renewable energy sources and systems
138	PS33A	Advanced Pedagogy	3000	Kolkata	ICT	Sukanta Kumar Naskar and Arpan Kumar Mondal	04/08/2025	15/08/2025	2	Faculty and Staff members from all discipline	After attending the programme, participants will be able to: • Appreciate the taxonomy of T-L • To identify evaluation, assessment and test • Able to evaluate skills • Manage laboratory • Able to use modern tools in T-L • Appreciate classroom management methods
139	CU91C	R Programming	500	Kolkata	Contact	Kinsuk Giri	11/08/2025	15/08/2025	1	Faculty, Staff and research scholar from all disciplines	On successful completion of the programme the participants will be able to • understand and explain the different aspects of R • apply R to solve basic problems • use R for visualizations
140	CU92C	Hands-on Practices on TIG/MIG Welding Process	500	Kolkata	Contact	Arpan Kumar Mondal	18/08/2025	22/08/2025	1	Faculty members from Mechanical Engineering and similar fields	After attending the programme the participants will be able to • Explain the principles of advanced welding processes. • Perform independently various advanced welding processes: TIG, MIG, Welding • Perform various testing of welds

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
141	CU94C	Engineering Pedagogy	500	Kolkata	e-STTP	Nirmal Kumar Mandal	18/08/2025	22/08/2025	1	Faculty, Staff and research scholar from all disciplines	After attending the programme the participants will be able to • Teach technical subjects effectively in different domain and level of learning • Set question papers in different domain and level of learning
142	PS34C	Use of advanced teaching tool in teaching	500	Kolkata	ICT	Mithu Dey	18/08/2025	22/08/2025	1	Faculty members from civil and allied discipline	After attending the program, participants are expected to be able to • Demonstarte the advanced E tool for teaching • Use the Etool in teaching • Select the suitable tool • Use of suitable teaching method for the students
143	CU121C	Power Generation Transmission and Distribution system	500	Kolkata	ICT	Papia Ray	18/08/2025	22/08/2025	1	Faculty/ Staff/ Research Scholars from all discipline	After completion of the program, the participants will be able to • Describe the components and working of conventional power plants • Apply knowledge on power generation, planning and economics • Compute the transmission line parameters and evaluate performance • Explore mechanical design and evaluate line insulators and underground cables. • Explain real time applications through examples
144	CU96B	Network Infrastructure and Cloud Security	1000	Kolkata	Contact	Rajeev Chatterjee	18/08/2025	22/08/2025	1	Faculty of CSE, IT Computer Application, Electronics, discipline	After completion of this program, the participants will be able to: • Explain the concept of Computer Network and Internetwork • Illustrate Principles of Security • Describe ISO27001: 2013 • Demonstrate Network infrastructure elements • Explain the concept of cloud infrastructure and cloud models • Explain Security Issues of Structure Cloud • Explain the concept of network and cloud security

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management

Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline

Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
145	CU97C	Bio-Medical Instrumentation	500	Kolkata	Hybrid	Subrata Chattopadhyay	18/08/2025	22/08/2025	1	Faculty, Staff and research scholar from all disciplines	After attending the course, the participants will be able to • To understand Cells, Digestive System, Excretory System, Endocrinology • To describe Origins of electro-physiological signal and their characteristics • To design practical clinical sensors and transducers • To understand the operation of X-ray, Fluoroscopy and Radiography, Pacemaker, Magnetic Resonance Imaging etc. • To explain Electric shock hazards and safety devices
146	CU98C	Sustainable Industrial Engineering Practices	500	BBSR	Contact	Deepak Mehra	18/08/2025	22/08/2025	1	Faculty Members, Research Scholars, Students of Technical and Management Institutions of all disciplines	After completion of the programme, the participants will be able to • Define key concepts of sustainable industrial engineering practices, including energy efficiency, waste reduction, and green manufacturing technologies. • Explain the principles of sustainability and how they apply to industrial systems • Apply sustainable practices to real-world industrial scenarios, • Analyze the environmental and economic impacts of various industrial practices, identifying opportunities for improvement in sustainability. • Evaluate the effectiveness of sustainable engineering solutions, assessing their impact on operational efficiency, cost savings, and environmental performance.

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
147	CU99B	VLSI Design	1000	Kolkata	Hybrid	Niladri Pratap Maity	18/08/2025	29/08/2025	2	Faculty members/Scientists/ Staffs of ECE/EE/CSE/IT/EEE/E&TC/EIE /Physics /Electronics and related subject	After attending the programme, the participants will be able to • Basic of VLSI Design • Follow Electron Device Modeling • Follow VLSI circuit Design Methodology • Prepare Digital VLSI Design • Basic of different VLSI Design Tools • Identify different CAD tools • Material for Modern IC Design • Follow up High-k Dielectric materials • Follow recent govt. schemes for VLSI Design
148	PS35C	Induction Training	1000	Kolkata	ICT	Urmila Kar	18/08/2025	29/08/2025	2	Faculty members and Technicians from Polytechnics, Engg. Colleges, Degree Colleges, Universities and other HEIs	After completion the programme, the participants will be able to • explain the quality issues in Technical Education and Role of Teachers • illustrate the process involved in Curriculum • Development, Implementation and Reforms • decide learning outcomes of specific course • identify teaching strategy, methods and skills • plan instruction • assess performance of learners • Identify quality parameters in institutional development • Illustrate the process of accreditation for technical institutes • Explain professional values and ethics of teachers • Promote Technology Enable Learning (TEL) • Identify Learning Style of students • Identify style of teaching • Explain the need for active learning for 21st century learners • Plan instruction for active learning • Decide assessment tools for active learning

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
149	CU100C	Introduction to Data Security	500	Kolkata	ICT	Indrajit Saha	25/08/2025	29/08/2025	1	Faculty, Staff and research scholar from all disciplines	After attending the program, the participants will be able to • describe the fundamentals of Data Security • demonstrate how to maintain the privacy of computer data • explain network security in classroom
150	CU101C	Engineering Laboratory Management	500	Kolkata	ICT	Sagarika Pal	25/08/2025	29/08/2025	1	Faculty, Staff and research scholar from all disciplines	After attending the programme the participants will be able to • Select the laboratory experiments from curriculum • Purchase the equipment following appropriate proceedure • Prepare laboratory manual • Guide student to perform laboratory experiment • Evaluate the laboratory performance of students • Guide students' project work • Evaluate students' project work
151	CU130B	Introduction to NLP and its Applications	1000	Kolkata	Hybrid	Jagadeesh M S	25-08-2025	30-08-2025	1	Faculty and Staff members from CSE and its allied disciplines	After completion of the program, the participants will be able to • Understand Basic Concepts of NLP • Handle Text Data for NLP Applications • Apply Basic NLP Tools and Libraries • Introduction to Sentiment Analysis • Introduction to Machine Learning for NLP • Understand the Future of NLP and AI
152	PS42C	AI based Pedagogy	500	Kolkata	Hybrid	K Venkata Rao	25-08-2025	30-08-2025	1	Faculty and Staff members from all disciplines	After completion of the program, the participants will be able to • Enhance personalized learning by adapting to individual student needs • Improve student engagement through interactive, adaptive learning systems. • Fosters the development of critical thinking and problem-solving skills

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
153	CU102C	Engineering and Environmental Chemistry Laboratory	500	Kolkata	Contact	Sailendra Nath Mandal	25/08/2025	29/08/2025	1	Faculty and Staff of any discipline	After attending the programme the participants will be able to gain and develop • knowledge of basic component of Engineering and Environmental Chemistry Laboratory, • skill of handling conventional and modern sophisticated equipment, preparation of laboratory instruction sheets, interpreting experimental results, providing laboratory instruction such as to develop in enquiring attitude among students, preparing related test reports, • attitude of hands-on-working in the laboratory/field. (Plant Visit)
154	PS36C	Entrepreneurship Development	500	BBSR	Contact	Subrata Mondal	25/08/2025	29/08/2025	1	Faculty and Staff of any discipline	After attending this programme, participants will be able to: • explore concept of entrepreneurship; • identify internal and external factors for entrepreneurship; • explore characteristics of an entrepreneur; • explore entrepreneurial motivation and barrier; • explore stages in entrepreneur process; • explore research commercialization; • explore technology business incubation Centre etc.
155	PS37B	Induction training	1000	Kolkata	ICT	Sukanta Kumar Naskar	01/09/2025	05/09/2025	1	Faculty and Staff of any discipline	After attending the programme participants will be able to: • Develop concept of curriculum development • Manage the classroom effectively • Identify instructional objectives • Develop lesson plan • Identify quality parameters of Technical Education • Identify managerial roles of a teacher

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
156	MGT06C	Disaster Risk Management	500	Kolkata	Hybrid	Anil Kumar and Kunwar R Singh	08/09/2025	12/09/2025	1	Faculty, Disaster Managment Professionals, State Government officials from SDMAs, Urban & Housing, Water Resource and Environment Forest & Climate Change Department and others	Understanding Disaster Risk – Explore the types, causes, and impacts of natural and human-induced disasters. Risk Assessment & Vulnerability Analysis – Develop skills to assess disaster risks and identify vulnerable communities and infrastructure. Disaster Preparedness & Response – Enhance knowledge of early warning systems, emergency planning, and crisis management strategies. Mitigation & Resilience Building – Learn strategies for reducing disaster risks and strengthening community and infrastructure resilience. Disaster Recovery & Rehabilitation – Understand post-disaster recovery planning, rehabilitation, and long-term resilience-building approaches. Governance & Policy Frameworks – Examine national and international disaster risk reduction (DRR) policies, legal frameworks, and institutional mechanisms. Technology & Innovation in Disaster Management – Explore the role of GIS, remote sensing, AI, and other technologies in disaster risk reduction.

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
157	CU103B	Data Analytics with PYTHON	1000	Kolkata	ICT	Kinsuk Giri and Chandan Chakrabarty	08/09/2025	12/09/2025	1	Faculty, Staff and research scholar from relevant disciplines	On successful completion of the programme the participants will be able to • Develop an understanding of basic concepts of Data science. • Explore an ability to analyse data from a statistical perspective. • Explain and implement Data Visualization Techniques. • Demonstrate Classification and clustering processes. • Get an exposure on basics of PYTHON Programming • Develop familiarity with the PYTHON data science ecosystem for class room teaching, practicing and project based learning.
158	CU104B	CAD/CAM	1000	Kolkata	Contact	Nirmal Kumar Mandal	08/09/2025	12/09/2025	1	Faculty, Staff and research scholar from Mechanical, Production, Industrial and relevant disciplines	After attending the programme the participants will be able to • Define automation. • Classify automation. • Operate automated system.
159	CU105C	Design Using CAD Tools	500	Kolkata	Hybrid	Niladri Pratap Maity	08/09/2025	12/09/2025	1	Faculty members/Scientists/ Staffs of ECE/EE/CSE/IT/EE E/E&TC/EIE /Physics /Electronics and related subject	After attending the programme, the participants will be able to • Identify and comprehend influence of semiconductor industry on the design and development of IC tools • Acquaint with different design methodologies • Apply the concept of circuit analysis using CAD tools • Modeling the advanced MOS devices using Silvaco ATLAS and ATHENE • Concept of BIPOLE and MINIMOS tools • Analyze the different circuit analysis using SPICE.

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
160	CU106A	Engineering Thermodynamics	1500	Kolkata	Contact	Rayapati Subbarao	08/09/2025	12/09/2025	1	Faculty, Staff and research scholar from relevant disciplines	At the end of the programme, the participants will be to: • paraphrase the basics of thermodynamics. • apply laws of thermodynamics in various problems. • appreciate more about entropy and the processes of perfect gases. • identify and analyze thermodynamic air cycles. • familiarize the basics of fuels and combustion.
161	CU107B	Object Oriented Programming in C++	1000	Kolkata	Contact	Rajeev Chatterjee	08/09/2025	12/09/2025	1	Faculty of CSE, IT Computer Application, Electronics, discipline	After completion of this program, the participants will be able to: • Create an Object-Oriented Model of software, • Write a Program in C++ to solve a computational problem • Compile, debug and execute a program in C++ • Apply objects, classes, inheritance, polymorphism etc. to implement object-oriented programming.
162	CU108C	Bio-Medical Instrumentation	500	BBSR	Contact	Subrata Chattopadhyay	08/09/2025	12/09/2025	1	Faculty, Staff and research scholar from relevant disciplines	After attending the course, the participants will be able to • To understand Cells, Digestive System, Excretory System, Endocrinology • To describe Origins of electro-physiological signal and their characteristics • To design practical clinical sensors and transducers • To understand the operation of X-ray, Fluoroscopy and Radiography, Pacemaker, Magnetic Resonance Imaging etc. • To explain Electric shock hazards and safety devices

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
163	CU109C	Drinking Water Pollution and Public Health	500	Kolkata	ICT	Sailendra Nath Mandal	08/09/2025	12/09/2025	1	Faculty, Staff and research scholar from relevant disciplines	After attending the programme the participants will be able to acquire – • knowledge of different drinking water testing parameters, equipment, methods of testing , different standards and impact on human health, • skill of online demonstration of different device, performing experiments, interpreting results, preparing test report, providing laboratory instructions to develop inquiring attitude among the student and evaluation of laboratory performance in related to drinking water testing laboratory, • attitude of live online lecture and demonstration in the laboratory/field
164	CU110B	Control System Analysis and Design Using MATLAB	1000	Kolkata	Hybrid	Soumitra Kumar Mandal	08/09/2025	12/09/2025	1	Faculty and Lab Technician of Electrical Engineering and Allied discipline	After attending the programme, the participants will be able to • write code in MATLAB • implement MATLAB Applications in Control System • design and analysis of control system
165	PS38B	Implementing Holistic and Multidisciplinary Education in HEIs	1000	Kolkata	ICT	Urmila Kar	08/09/2025	12/09/2025	1	Faculty members and Technicians from Polytechnics, Engg. Colleges, Degree Colleges, Universities and other HEIs	After completion of the programme, the participants will be able to • Identify the need for and components of Holistic and Multidisciplinary education • Explain the principles of Holistic and • Multidisciplinary education. • Identify the challenges in implementing Holistic and Multidisciplinary education in HEIs • Explore the strategies in implementing Holistic and Multidisciplinary education in HEIs.

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
166	CU111C	Environment Risk Resilience	500	Kolkata	ICT	Kunwar R Singh and Anil Kumar	08/09/2025	12/09/2025	1	Faculty, Staff and research scholar from all disciplines	After completion of the programme, the participants will be able to • Understand Environmental Risks and Resilience Concepts • Analyze Risk Assessment Frameworks • Evaluate Risk Reduction and Resilience Strategies
167	PS39C	Effective Training	500	Kolkata	ICT	Sukanta Kumar Naskar	15/09/2025	19/09/2025	1	Faculty, Staff and research scholar from relevant disciplines	After attending the training programme participants will be able to: • Identify steps in conducting training • Design training programme • Identify methodogology of training programme • Assess training programme
168	PS40C	Student Mentorship	500	BBSR	Contact	Habiba Hussain	15/09/2025	19/09/2025	1	Faculty and staff members from all discipline	Upon successful completion of the programme, participants will be able to • Identify the essential functions as a mentor • Categorise the styles in mentoring students • Provide feedback to encourage a growth mindset • Decide strategies for study skills • Guide students in learning engagement
169	CU122B	DC/DC Power Conversion and its Applications	1000	Kolkata	Hybrid	Papia Ray	15/09/2025	19/09/2025	1	Faculty/ Staff/ Research Scholars from all discipline	After completion of the program, the participants will be able to • describe the basic operation of power converters, dc/dc converters, type of converters and its efficient utilization. • apply control algorithm in dc/dc converters • Explain real time applications

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
170	CU127C	Modeling and Optimization techniques	500	Kolkata	Hybrid	K Venkata Rao	15-09-2025	19-09-2025	1	Faculty, Staff Members, Research scolars from any discipline	After completion of the program, the participants will be able to • Understand different modeling and optimization techniques • Apply suitable modeling and optimization techniques • Solve engineering problems using optimization techniques
171	CU112C	Fundamentals of Machine Learning and Deep Learning	500	Kolkata	ICT	Indrajit Saha	15/09/2025	19/09/2025	1	Faculty, Staff and research scholar from all disciplines	After attending the program, the participants will be able to • describe the fundamentals of Machine Learning (ML) and Deep Learning (DL) • apply ML for clustering, classification and regression • explain ML and DL in classroom
172	CU131C	Data Analytics with Python	500	Kolkata	Hybrid	Jagadeesh M S	15-09-2025	19-09-2025	1	Faculty, Staff Members, Research scolars from any discipline	After completion of the program, the participants will be able to • Understand the Fundamentals of Data Analytics • Perform Data Cleaning and Preprocessing • Visualize Data Effectively • Work with Real-World Data Sets • Handle Time Series Data and Forecasting • Enhance Career Opportunities in Data Science and Analytics
173	CU113B	Cyber Security	500	Kolkata	Contact	Rajeev Chatterjee	15/09/2025	19/09/2015	1	Faculty of CSE, IT Computer Application, Electronics, discipline	After completion of this program, the participants will be able to: • Explain the concept of Network and Internetwork security • Illustrate Principles of Security • Describe ISO27001: 2013 • Demonstrate Network infrastructure elements • Explain Infrastructure level security • Enlighten Application-level security • Demonstrate best practices in the cyber world.

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf

Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
174	PS41C	Waste Water Treatment: Pollution Control and Reuse	500	Guw	Contact	Subrata Mondal	15/09/2025	19/09/2025	1	Faculty, Staff and research scholar from all disciplines	After attending this program, participants would be able to: • explain the characterizations of wastewater; • explore the characteristics of various industrials wastewater; • describe the wastewater treatment using low cost adsorbents and nano sized adsorbents; • describe the wastewater treatment using membrane technology etc.
175	CU114A	MATLAB & LABVIEW Applications in Engineering	1500	Kolkata	Hybrid	Sagarika Pal	15/09/2025	26/09/2025	2	Faculty of Electrical, Electronics and Communication, Mechanical, Electronics & Instrumentation disciplines	After attending the programme the participant will be able to • Use MATLAB commands, SIMULINK, Control system tool Box • Develop GUI files for interaction with MATLAB Toolbox • Explain features of LABVIEW • Create VI files • Apply VI files in various fields • Apply Data Acquisition System in LABVIEW • Develop LABVIEW programming in various real time applications
176	CU115C	Application of AutoCAD in Engineering & basic sciences	500	Kolkata	Hybrid	Mithu Dey	22/09/2025	26/09/2025	1	Faculty, Staff and research scholar from relevant disciplines	After attending the program, participants are expected to be able to • Know the different commands of the Software • Draw the 2D and 3D • Appreciate the use of AutoCAD in Engg. And Science Field

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

Sl. No.	Prog. Code	Programme Title	Fees (Rs.)	Venue	Prog. Mode	Programme Co-ordinator(s)	Date		Week	Target Participant / Group	Programme Outcomes
							From	To			
177	CU117C	Digital Manufacturing Process	500	Guw	Contact	Deepak Mehra	22/09/2025	26/09/2025	1	Faculty Members, Research Scholars, Students of Technical and Management Institutions of all disciplines	After completion of the programme, the participants will be able to • Recall key concepts and technologies used in digital manufacturing • Explain the role of digital technologies in transforming traditional manufacturing processes, focusing on automation, efficiency, and data-driven decision-making. • Apply digital tools and software to simulate, model, and optimize manufacturing processes for improved productivity and quality. • Analyze digital manufacturing data to identify inefficiencies, bottlenecks, and opportunities for process improvements. • Evaluate the impact of digital manufacturing solutions on cost reduction, production speed, and product quality, providing recommendations for implementation.

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

Programme Calendar 2025-26

Application Form Link: http://www.nitttrkol.ac.in/download/Application%20Form.pdf
Application Form Link: **https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074**

GENERAL INSTRUCTIONS TO THE PARTICIPANTS

- Please send your application 20 days (for Contact Mode FDP) and preferably 7 days (for ICT/Online mode FDP) before the commencement of the programme.
- Applicants may send their applications by email/Post/Application Link (see institute's website: http://www.nitttrkol.ac.in) **along with payment details for each programme.**
- Participants are requested to submit only one application for a particular Faculty Development Programme (FDP)/ Short Term Training Programme (STTP).
- Selected participants will be received confirmation mail from the Academic Affairs. **Without prior confirmation nobody will be allowed to attend the training programme.**
- Participants are advised to complete the registration formalities before 9:30 a.m. on the first day of the programme at the Academic Affairs of NITTTR, Kolkata for offline programmes.
- After completing the registration formalities, you need to report to the respective coordinator(s). Necessary guidance from the Academic Affairs will be given in this respect.
- Last day of the training programme, certificates will be distributed by the coordinator(s) along with a release letter in case of offline courses and to be sent by mail in case of online courses.
- No leave(s) permissible during the training programme, except in case of emergency with submission of evidence of reason.
- The participants will be relieved only on the last day of the programme at 5.30 pm. If participants do not attend the full programme, neither certificate nor TA will be paid to them.
- The participants willing to attend the programmes at Extension Centers should contact the respective Consultant, Extension Centre / Academic Affairs for accommodation confirmation and food facility.

- **Essential Requirements for Certification:** i) Minimum 80% Attendance ii) Achievement of Minimum 40% of Total Assesment.
- Training programmes scheduled at extension centres are state specific and open only for respective state participants.
- Participants only from the Government and Government Aided / Government sponsored Institutes will be reimbursed TA as per Institute's rules.
- Participants from North Eastern (NE) States and A&N Islands are entitled to travel by air (economy class) and the same will be reimbursed on production of proof of to and fro travel ticket(s). Tickets are to be purchased from the authorized travel agent of Govt. of India as announced time to time.
- The participants from the provinces other than N.E. states will be reimbursed 3rd AC train or equivalent fare.
- Boarding and Lodging facilities are provided on a sharing basis. Family members are not allowed to stay in the Guest Houses.
- Course Fees will be charged as per the Category of the Training Programme and it can be remitted through NEFT, Bank Transfer or through demand draft drawn in favour of Director, NITTTR, Kolkata payable at Kolkata.

Bank details:
Name of the Bank: State Bank of India,Sector – 1, Salt Lake Branch,
Bank Holder: NITTTR, Kolkata, Bank A/c No.: 00000034181726656,
IFSC Code: SBIN0001612

Prog. Code: CU – Contant Update, PS – Professional Skill, MGT – Management
Prog. Mode: Contact - Offline, ICT – Online, Hybrid – Both online and offline
Venue: Kolkata Main Campus, BBSR – Bhubaneswar, Odisha Extension Centre, Guw – Guwahati, Assam Extension Centre.

- **Course Fee Details:**

Category of FDP	Category - A	Category - B	Category - C
Fees per participant per week	Rs. 1500/-	Rs. 1000/-	Rs. 500/-

- Participants from Private and Self Financed Institutes will not be paid TA. These participants can avail Boarding and Lodging facilities in Executive Hostels, by paying fees Rs. 300/- per bed/day for Accommodation Charge and Meal Charge of Rs. 250/- per day per participant (rate may vary from time to time), working lunch is free.

Processing TA:

- Those who are eligible to reimburse TA should apply in the prescribed form available in the Academic Affairs along with all supporting documents with signature from the course coordinator(s) and submit to the academic section.
- TA will be reimbursed directly to the bank account of the trainee.

Instructions to participants from NE States and A&N Islands regarding purchase of Air Ticket:

Air tickets shall be purchased positively only from the three Authorized Travel Agents (ATAs), namely:
(a) M/s. Balmer Lawrie & Company Limited (BLCL),
(b) M/s. Ashok Travels & Tours (ATT),
(c) Indian Railways Catering and Tourism Corporation Ltd. (IRCTC)

The choice of the travel agent for booking of ticket from the three-authorized travel agents is left open to the Govt. official in case of self-booking, based on convenience and service quality. No agency charges / convenience fees will be paid to these ATAs.
Participants are to choose flight having the **Best Available Cheapest Fare**, where possible for Non-stop flight in a given slot, mentioned below, at the time of booking. They are to retain the print-out of the concerned webpage of the ATAs having flight and fare details for the purpose of the settlement claims.

(a) On the day of travel in the desired 3 hours' slot of following time band
00:00 hours to 03:00 hours, 03:00 hours to 06:00 hours, 06:00 hours to 09:00 hours, 09:00 hours to 12:00 hours, 12:00 hours to 15:00 hours, 15:00 hours to 18:00 hours, 18:00 hours to 21 :00 hours, 21 :00 hours to 24:00 hours
(b) With provision of optimizing within 10% price bank, for convenience and comfort.

Henceforth relaxation on account of ignorance/unawareness of these guidelines will not be considered under any condition.

How to Reach NITTTR, Kolkata:
The Institute is located in FC Block, Sector-III in Salt Lake City (near Labony Island).It is well communicated by road with Howrah Railway Station (about 8.1 km via Maniktala Main Road), Sealdah Railway (7.4 km) via Beliaghata Main Road and Broadway Road), Kolkata Railway Station (4.8 km) via Canal Circular Road, Shalimar Station (18.8 km) via Parama Island Maa Flyover, Netaji Subhas Chandra Bose International Airport (11.5 km) via Kazi Nazrul Islam Sarani/VIP Road.