

**GOVERNMENT OF TELANGANA  
DEPARTMENT OF TECHNICAL EDUCATION**

**OFFICE OF THE  
COMMISSIONER OF TECHNICAL EDUCATION  
TELANGANA::HYDERABAD**

Sub : TECHNICAL EDUCATION – Programme Calendar 2020-21 - National  
Institution of Technical Teachers' Training and Research (NITTTR),  
Kolkata - Reg.  
Ref : The mail received from NITTTR, Kolkata, Dt:09.04.2020.

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With reference to the subject & reference cited, the Principals of all Government Polytechnics under the control of this department are informed that the National Institution of Technical Teachers' Training & Research (NITTTR), Kolkata is going to organize Programme Calendar 2020-21. In this connection, the Principals of all Govt. Polytechnics of Telangana State are informed to register online or download this form at <https://forms.gle/r9ayiZQjWXR6VPV37> and in case have any queries on their activities, please contact their email [academic@nitttrkol.ac.in](mailto:academic@nitttrkol.ac.in) for over the phone 91-33-66251-901 and send the same copy to this office through mail ID: [adtrg.ts@gmail.com](mailto:adtrg.ts@gmail.com).

The receipt of the memo shall be acknowledged.

(This has the approval of the CTE, Telangana, Hyderabad)

Encl: As above

Signature Not Verified  
Digitally signed by SWAMY AVULA  
Date: 2020.04.14 12:34:16 IST  
Reason: Approved

For COMMISSIONER

To,

The Principals of all Government Polytechnics under the control  
of this Department of Technical Education, Telangana State.

Copy to the Secretary, SBTET, T.S., Hyderabad for kind information.

Copy to the Director, National Institution of Technical Teachers' Training and  
Research (NITTTR), Block-FC, Sector-III, Salt Lake City, Kolkata-700106.

NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING RESEARCH, KOLKATA  
PROGRAMME CALENDAR 2020-21

Prog. Code	Programme Title	Programme Co-ordinator(s)	Start Date	End Date	Duration (Week)
CU01	Advance Programming in C	Rajeev Chatterjee	13/04/2020	17/04/2020	1
MGT01	Research Methodology and Intellectual Property Right (IPR)	Chandan Chakraborty	13/04/2020	24/04/2020	2
BBSR01	Programming in C++ Methodologies	Rajeev Chatterjee & Samir Roy	20/04/2020	24/04/2020	1
CU02	Development of Mechanical Engineering Experiments and Laboratory Instruction Sheets	Samiran Mandal	20/04/2020	24/04/2020	1
ICT01	NBA Accreditation and SAR Preparation	Ravapati Subbarao	20/04/2020	24/04/2020	1
PS01	Outcome Based Accreditation and NBA	Urmila Kar	20/04/2020	24/04/2020	1
PS02	Skill Assessment in Laboratory and Guiding Students' Project	Sagarika Pal	20/04/2020	24/04/2020	1
BBSR02	Environmental Pollution and Health	Sailendra Nath Mandal	27/04/2020	01/05/2020	1
CU03	Numerical and Statistical Methods with PYTHON	Kinsuk Giri	27/04/2020	01/05/2020	1
CU04	CAD/CAM	Nirmal Kumar Mandal	27/04/2020	01/05/2020	1
GUW01	Estimating & Costing of Non-Conventional Energies	Sheela Yadav Rai	27/04/2020	01/05/2020	1
ICT02	Measurement and Control of Industrial Automation	Sagarika Pal & Subrata Chattopadhyay	27/04/2020	01/05/2020	1
PS03	HRD through Training and Development	Sukanta Kumar Naskar	27/04/2020	01/05/2020	1
BBSR03	Management of Laboratory and Workshop Classes	Dipankar Bose	04/05/2020	08/05/2020	1
CU05	Compiler Design	Samir Roy	04/05/2020	08/05/2020	1
CU06	Introduction to Robotics	Samiran Mandal	04/05/2020	08/05/2020	1
CU07	Refresher course on Analog & Digital Electronics	Soumitra Kumar Mandal	04/05/2020	15/05/2020	2
GUW02	Applications of MATLAB in Control System, Image Processing, Fuzzy Logic and Circuit Simulation	Sagarika Pal	04/05/2020	08/05/2020	1
CU08	Civil Engineering Laboratory Practice (Brick, Cement, Aggregates, Concrete including demonstration of NTD and SDT)	Uday Chand Kumar	11/05/2020	15/05/2020	1
CU09	Medical Electronics	Subrata Chattopadhyay	11/05/2020	15/05/2020	1
CU10	Fluid Power	Dipankar Bose	11/05/2020	15/05/2020	1
CU11	Testing & Purification of Drinking Water and Health	Sailendra Nath Mandal	11/05/2020	22/05/2020	2
ICT03	Advanced Welding Processes and Physics of Welding	Arpan Kumar Mondal	11/05/2020	15/05/2020	1
PS04	Institutional Development	Sukanta Kumar Naskar	11/05/2020	15/05/2020	1
BBSR04	Utilization of Instructional Media and CAI in Effective Teaching	Subrata Chattopadhyay	18/05/2020	22/05/2020	1
CU12	Electricity Act, Rules & Code of Practices	Prasanta Sarkar	18/05/2020	22/05/2020	1
CU13	Laboratory and Field Testing of Soil and Preparation of Soil Investigation Report	Jagat Jyoti Mandal	18/05/2020	29/05/2020	2
CU14	Networking Principles, Management and Administration	Rajeev Chatterjee	18/05/2020	29/05/2020	2
GUW03	Outcome Based Accreditation and NBA	Urmila Kar	18/05/2020	22/05/2020	1
ICT04	Skill Assessment in Laboratory and Workshop	Dipankar Bose	18/05/2020	22/05/2020	1
PS05	Problem Based Learning	Arpan Kumar Mondal, Indrajit Saha, Sagarika Pal, Kinsuk Giri	18/05/2020	29/05/2020	2
BBSR05	Induction Training	Subrata Mondal	01/06/2020	05/06/2020	1
CU15	Laboratory Practice on Building Materials & NDT	Mithu Dev	01/06/2020	05/06/2020	1
CU16	Database Design Theory and Practice	Ranjan Dasgupta	01/06/2020	05/06/2020	1
CU17	Waste Analysis and Management	Sailendra Nath Mandal	01/06/2020	12/06/2020	2
CU18	LABVIEW & MATLAB Applications in Electrical & Electronics Engineering	Soumitra Kumar Mandal	01/06/2020	12/06/2020	2
CU19	Operation and Programming in CNC Machines	Nirmal Kumar Mandal	01/06/2020	12/06/2020	2
ICT05	Electricity Act, Rules & Code of Practices	Prasanta Sarkar	01/06/2020	05/06/2020	1
GUW04	Choice Based Credit System (CBCS) and Student's Performance Evaluation	Chandan Chakraborty	01/06/2020	05/06/2020	1
BBSR06	Structural Analysis and Design with new Generation Software	Santanu Bhanja	08/06/2020	12/06/2020	1
CU20	Programming and Automation using PLC	Sagarika Pal & Subrata Chattopadhyay	08/06/2020	12/06/2020	1
CU21	IP Networking	Rajeev Chatterjee	08/06/2020	19/06/2020	2
CU22	Theory & Practice –Turning, Milling and Drilling	Dipankar Bose & Samiran Mandal	08/06/2020	12/06/2020	1
PS06	How to Write Thesis and Research Paper	Ravapati Subbarao	08/06/2020	2/06/2020	1
CU23	Artificial Intelligence	Samir Roy	15/06/2020	19/06/2020	1
CU24	Modeling and Analysis of Linear Control Systems	Urmila Kar	15/06/2020	19/06/2020	1
GUW05	Electricity Act, Rules & Code of Practices	Prasanta Sarkar	15/06/2020	19/06/2020	1
ICT06	Instructional Planning	Samiran Mandal	15/06/2020	19/06/2020	1
MGT02	Laboratory Safety Management	Subrata Mondal	15/06/2020	26/06/2020	2
PS07	Induction Training	Arpan Kumar Mondal, Indrajit Saha, Sagarika Pal, Kinsuk Giri	15/06/2020	26/06/2020	2
BBSR07	Introduction to PYTHON Programming	Kinsuk Giri	22/06/2020	26/06/2020	1
CU25	Philosophy of RCC Design as per IS: 456-2000	Santanu Bhanja	22/06/2020	26/06/2020	1
CU26	Renewable Energy Sources and Emerging Technologies	Sheela Yadav Rai	22/06/2020	26/06/2020	1
CU27	Laboratory Testing on Soil and Preparation of Report	Uday Chand Kumar & Jagat Jyoti Mandal	22/06/2020	26/06/2020	1
CU28	Probability and Statistics	Chandan Chakraborty	22/06/2020	03/07/2020	2
PS08	Student Mentorship	Habiba Hussain	22/06/2020	26/06/2020	1
BBSR08	Induction Training	Sukanta Kumar Naskar	29/06/2020	10/07/2020	2
CU29	Data Structures	Samir Roy	29/06/2020	03/07/2020	1
CU30	Application of MATLAB in Engineering	Prasanta Sarkar	29/06/2020	03/07/2020	1
CU31	Three Dimensional Modelling with AUTOCAD and SOLIWORKS	Nirmal Kumar Mandal	29/06/2020	10/07/2020	2
GUW06	Numerical and Statistical Methods with SCI LAB	Kinsuk Giri	29/06/2020	03/07/2020	1
ICT07	Fundamentals of Network Security	Indrajit Saha & Ranjan Dasgupta	29/06/2020	03/07/2020	1

CU, MGT, PS Code: held at Kolkata Centre, BBSR Code: held at Bhubaneswar Extn. Centre and GUW Code: held at Guwahati Extn. Centre

NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING RESEARCH, KOLKATA  
PROGRAMME CALENDAR 2020-21

Prog. Code	Programme Title	Programme Co-ordinator(s)	Start Date	End Date	Duration (Week)
CU32	Theory, Operation and Experimentation on Sensors, Transducers & Actuators	Sagarika Pal & Subrata Chattopadhyay	06/07/2020	10/07/2020	1
CU33	Power Generation from Energy Resources	Sheela Yadav Rai	06/07/2020	10/07/2020	1
CU34	Automobile Engineering	Samiran Mandal	06/07/2020	10/07/2020	1
CU35	Big Data Analytics	Chandan Chakraborty & Kinsuk Giri	06/07/2020	10/07/2020	1
PS09	Development of Laboratory Instruction and Manual	Subrata Mondal	06/07/2020	10/07/2020	1
BBSR09	Design of Steel Structures	Mithu Dev	13/07/2020	17/07/2020	1
CU36	Engineering Thermodynamics and its Applications	Rayapati Subbarao	13/07/2020	17/07/2020	1
GUW07	Approaches in Designing Curriculum	Sukanta Kumar Naskar	13/07/2020	17/07/2020	1
ICT08	Laboratory Safety Management	Subrata Mondal	13/07/2020	17/07/2020	1
MGT03	Leadership & Team Building in Academia	Habiba Hussain	13/07/2020	17/07/2020	1
PS10	Development of Laboratory Instruction Sheets	Dipankar Bose	13/07/2020	17/07/2020	1
PS11	Engineering Capstone Project	Prasanta Sarkar	13/07/2020	17/07/2020	1
CU37	Pattern Recognition: Theory and Applications	Chandan Chakraborty	20/07/2020	24/07/2020	1
CU38	Workshop Practice in Mechanical Engineering	Arpan Kumar Mondal	20/07/2020	31/07/2020	2
ICT09	Induction Training	Sagarika Pal & Subrata Chattopadhyay	20/07/2020	24/07/2020	1
MGT04	Essentials of Strategic Management	Sukanta Kumar Naskar	20/07/2020	24/07/2020	1
PS12	Laboratory Experimentation in Engineering Chemistry	Sailendra Nath Mandal	20/07/2020	24/07/2020	1
PS13	Induction Training (Phase I & Phase II)	Urmila Kar	20/07/2020	31/07/2020	2
BBSR10	Instructional Planning	Samiran Mandal	27/07/2020	31/07/2020	1
CU39	Design and Detailing of Reinforced Concrete Structural Elements	Jagat Jyoti Mandal	27/07/2020	07/08/2020	2
CU40	Problem Solving with SCILAB	Kinsuk Giri	27/07/2020	07/08/2020	2
CU41	Software Engineering: Theory and Practice	Ranjana Dasgupta	27/07/2020	07/08/2020	2
CU42	Fundamental and Applications of Nanomaterials	Subrata Mondal	27/07/2020	07/08/2020	2
GUW08	NBA Accreditation and SAR preparation	Rayapati Subbarao	27/07/2020	31/07/2020	1
ICT10	Development of Laboratory and Workshop Instructions	Nirmal Kumar Mandal	27/07/2020	31/07/2020	1
BBSR11	Computer Numerical Controlled Machines: Constructional Features and Programming	Nirmal Kumar Mandal	03/08/2020	07/08/2020	1
CU43	Programming and Applications using LABVIEW	Sagarika Pal	03/08/2020	07/08/2020	1
CU44	Multimedia Tools and Its Applications	Indrajit Saha	03/08/2020	14/08/2020	2
ICT11	Environmental Consciousness	Sailendra Nath Mandal	03/08/2020	07/08/2020	1
PS14	Writing Research Proposals	Habiba Hussain	03/08/2020	07/08/2020	1
BBSR12	Ecology and Environmental Studies	Uday Chand Kumar	10/08/2020	14/08/2020	1
CU45	Automated Manufacturing Systems	Nirmal Kumar Mandal	10/08/2020	14/08/2020	1
CU46	Data Science with R programming	Chandan Chakraborty	10/08/2020	21/08/2020	2
CU47	Basics of Computer, IT and ITes for Faculty and Staff	Arpan Kumar Mondal	10/08/2020	21/08/2020	2
GUW09	Mobile and Wireless Network	Rajeev Chatterjee	10/08/2020	14/08/2020	1
ICT12	Professional Values, Ethics and Sustainability Development	Mithu Dev	10/08/2020	14/08/2020	1
CU48	Estimating & Costing of Non-Conventional Energies	Sheela Yadav Rai	17/08/2020	21/08/2020	1
CU49	Introduction to Optical Fibre and Its Application	Subrata Chattopadhyay	17/08/2020	21/08/2020	1
CU50	Product Design	Samiran Mandal	17/08/2020	21/08/2020	1
ICT13	Designing Teaching under Outcome Based Education	Urmila Kar	17/08/2020	21/08/2020	1
PS15	Problem Solving and Decision Making	Sukanta Kumar Naskar	17/08/2020	21/08/2020	1
BBSR13	Electricity Act, Rules & Code of Practices	Prasanta Sarkar	24/08/2020	28/08/2020	1
CU51	Repair and Rehabilitation of RCC Structures with special emphasis on Earthquakes	Santanu Bhanja	24/08/2020	28/08/2020	1
CU52	Design and Analysis of Algorithms	Samir Roy	24/08/2020	28/08/2020	1
CU53	Computational Techniques for Mechanical Engineers	Rayapati Subbarao	24/08/2020	28/08/2020	1
GUW10	Engineering System Modelling	Nirmal Kumar Mandal	24/08/2020	28/08/2020	1
ICT14	Fundamental Concepts of Geotechnical Engineering	Jagat Jyoti Mandal	24/08/2020	28/08/2020	1
CU54	Data Analysis using MATLAB	Indrajit Saha	31/08/2020	04/09/2020	1
CU55	Polymer Composites and Nanocomposites	Subrata Mondal	31/08/2020	04/09/2020	1
CU56	Advanced Welding Processes and Physics of Welding	Arpan Kumar Mondal	31/08/2020	11/09/2020	2
GUW11	Environmental Pollution Analysis and Health	Sailendra Nath Mandal	31/08/2020	11/09/2020	2
ICT15	Fundamentals of OBE	Habiba Hussain	31/08/2020	04/09/2020	1
BBSR14	Essentials of Strategic Management	Sukanta Kumar Naskar	07/09/2020	11/09/2020	1
CU57	Advanced Process Control using PLC, DCS and SCADA	Sagarika Pal & Subrata Chattopadhyay	07/09/2020	11/09/2020	1
CU58	Power Plant Engineering	Rayapati Subbarao	07/09/2020	11/09/2020	1
CU59	Analysis and Design of Structures by Limit State Method using Software	Mithu Dey	07/09/2020	11/09/2020	1
CU60	Testing and Health Benefits of Drinking Water	Sailendra Nath Mandal	07/09/2020	18/09/2020	2
CU61	Applied Machine Learning	Chandan Chakraborty	07/09/2020	18/09/2020	2
BBSR15	Renewable Energy Sources and Emerging Technologies	Sheela Yadav Rai	14/09/2020	18/09/2020	1
CU62	Mathematics with Engineering applications and Graphical Interpretations	Nirmal Kumar Mandal	14/09/2020	18/09/2020	1
CU63	Exposure in Optimization	Kinsuk Giri	14/09/2020	18/09/2020	1
CU64	Image Processing using MATLAB	Indrajit Saha	14/09/2020	25/09/2020	2
ICT16	An Introductory course on Ecology and Environmental Studies	Uday Chand Kumar	14/09/2020	18/09/2020	1
PS16	Active Learning under Engineering Education	Urmila Kar	14/09/2020	25/09/2020	2
BBSR16	Medical Instrumentation	Subrata Chattopadhyay	21/09/2020	25/09/2020	1
CU65	Basics of Welding Processes and CNC Machining	Arpan Kumar Mondal	21/09/2020	25/09/2020	1
CU66	Refresher course on Microprocessors and Microcontrollers	Soumitra Kumar Mandal	21/09/2020	02/10/2020	2
GUW12	Design and Analysis of Algorithms	Samir Roy	21/09/2020	25/09/2020	1

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PROGRAMME CALENDAR 2020-21

Prog. Code	Programme Title	Programme Co-ordinator(s)	Start Date	End Date	Duration (Week)
ICT17	RCC Design – From Prescriptive as per Codes of Practice to Performance Based	Santanu Bhanja	21/09/2020	25/09/2020	1
MGT05	Essentials of HRM	Sukanta Kumar Naskar	21/09/2020	25/09/2020	1
PS17	Office Management (Using Software)	Uday Chand Kumar	21/09/2020	25/09/2020	1
BBSR17	An Introductory course on Geotechnical Engineering	Jagat Jyoti Mandal	05/10/2020	09/10/2020	1
CU67	Engineering Metrology	Dipankar Bose	05/10/2020	09/10/2020	1
PS18	Teaching Skill Development	Habiba Hussain	05/10/2020	09/10/2020	1
BBSR18	Introduction of Accreditation Mechanism - NBA Approach	Ranjan Dasgupta and Arpan Kumar Mondal	12/10/2020	16/10/2020	1
CU68	Modelling, Analysis and Design of Buildings with ETABS	Santanu Bhanja	12/10/2020	16/10/2020	1
CU69	Control Engineering with MATLAB	Prasanta Sarkar	12/10/2020	16/10/2020	1
CU70	Solar PV System: Operation and Control	Soumitra Kumar Mandal	12/10/2020	16/10/2020	1
G UW13	Machine Learning and It's Applications	Indrajit Saha	12/10/2020	16/10/2020	1
ICT18	Introduction to Data Science and Machine Learning	Chandan Chakraborty	12/10/2020	16/10/2020	1
BBSR19	Applications of MATLAB in Control System, Image Processing, Fuzzy Logic and Circuit Simulation	Sagarika Pal	02/11/2020	06/11/2020	1
CU71	Design of Earthquake Resistant RC Buildings with an Introduction to Shake Table	Santanu Bhanja	02/11/2020	06/11/2020	1
CU72	Mechanical Measurements and Control	Samiran Mandal	02/11/2020	06/11/2020	1
CU73	Testing of Drinking Water and Ambient Air	Sailendra Nath Mandal	02/11/2020	13/11/2020	2
CU74	Design of Payroll Systems using ORACLE	Ranjan Dasgupta	02/11/2020	13/11/2020	2
G UW14	Fundamental and Applications of Nanomaterials	Subrata Mondal	02/11/2020	06/11/2020	1
ICT19	Institutional Development	Sukanta Kumar Naskar	02/11/2020	06/11/2020	1
CU75	Selection, Analysis and Design of Shallow Foundations	Jagat Jyoti Mandal	09/11/2020	20/11/2020	2
PS19	Creative Problem Solving, Innovation and Meaningful R & D	Chandan Chakraborty	09/11/2020	13/11/2020	1
PS20	Community Development Through Technical Institutions	Sheela Yadav Rai	09/11/2020	13/11/2020	1
PS21	Designing Teaching for Experiential Learning	Habiba Hussain	09/11/2020	13/11/2020	1
BBSR20	Thermodynamics and Power Plant Engineering	Ravapati Subbarao	16/11/2020	20/11/2020	1
CU76	Introduction to PYTHON Programming	Kinsuk Giri	16/11/2020	20/11/2020	1
CU77	Laboratory Instructions in Electrical Machine & Power System Lab	Soumitra Kumar Mandal	16/11/2020	20/11/2020	1
CU78	Mathematics with Engineering applications and Graphical Interpretations	Nirmal Kumar Mandal	16/11/2020	20/11/2020	1
G UW15	AutoCAD for Engineers	Mithu Dev	16/11/2020	20/11/2020	1
ICT20	Artificial Intelligence	Samir Roy	16/11/2020	20/11/2020	1
BBSR21	Laboratory Instructions in Electrical and Electronics Engineering	Soumitra Kumar Mandal	23/11/2020	27/11/2020	1
CU79	Design of Steel Structure	Uday Chand Kumar & Mithu Dey	23/11/2020	27/11/2020	1
CU80	Modeling and Analysis of Nonlinear Control Systems	Urmila Kar	23/11/2020	27/11/2020	1
ICT21	Power Plant Instrumentation	Sagarika Pal & Subrata Chattopadhyay	23/11/2020	27/11/2020	1
PS22	Introduction of Accreditation Mechanism-NBA Approach	Ranjan Dasgupta & Arpan Kumar Mondal	23/11/2020	27/11/2020	1
CU81	Network Infrastructure and Cloud Security	Rajeev Chatterjee & Ranjan Dasgupta	30/11/2020	04/12/2020	1
CU82	Non-conventional Machining Processes	Dipankar Bose	30/11/2020	04/12/2020	1
CU83	Application of LABVIEW in Industrial Automation	Sagarika Pal & Subrata Chattopadhyay	30/11/2020	11/12/2020	2
G UW16	Control Engineering with MATLAB	Prasanta Sarkar	30/11/2020	04/12/2020	1
PS23	Role of Technical Institution in implementing Governmental Scheme e.g. CDTP, PWD, Community College	Uday Chand Kumar	30/11/2020	04/12/2020	1
BBSR22	Essentials of HRM	Sukanta Kumar Naskar	07/12/2020	11/12/2020	1
CU84	Power Electronics in Power System	Soumitra Kumar Mandal	07/12/2020	11/12/2020	1
CU85	Application of AutoCAD in Engineering & basic sciences	Mithu Dev	07/12/2020	11/12/2020	1
ICT22	Problem Based Learning	Sagarika Pal, Indrajit Saha, Kinsuk Giri, Arpan Kumar Mondal	07/12/2020	11/12/2020	1
PS24	NBA Accreditation	Ravapati Subbarao	07/12/2020	01/12/2020	1
PS25	Research Methodology	Urmila Kar	07/12/2020	18/12/2020	2
BBSR23	RCC Design – Prescriptive Design as per IS:456-2000, IS:13920-2016 and beyond with application of Software	Santanu Bhanja	14/12/2020	18/12/2020	1
CU86	Testing of Bottled Water and Health	Sailendra Nath Mandal	14/12/2020	18/12/2020	1
CU87	Advanced Materials Science and Engineering	Subrata Mondal	14/12/2020	18/12/2020	1
CU88	Hydraulics and Pnumatics	Dipankar Bose	14/12/2020	18/12/2020	1
CU89	Circuit Simulation using PSpice	Sagarika Pal	14/12/2020	18/12/2020	1
G UW17	Introduction of Accreditation Mechanism-NBA Approach	Ranjan Dasgupta & Arpan Kumar Mondal	14/12/2020	18/12/2020	1
MGT06	Research Methodology in Engineering and Technical Writing using LaTeX	Kinsuk Giri & Indrajit Saha	14/12/2020	24/12/2020	2
PS26	Pedaagocial Communication	Habiba Hussain	14/12/2020	18/12/2020	1
BBSR24	Theory, Operation and Applications of Transducers & Actuators in Industry	Subrata Chattopadhyay	28/12/2020	01/01/2021	1
CU90	Application of Total Station with Introduction to DGPS in present day Surveying	Santanu Bhanja	28/12/2020	01/01/2021	1
CU91	Lab Experiment in Power Electronics and Drive	Soumitra Kumar Mandal	28/12/2020	01/01/2021	1
CU92	Optimization with MATLAB Applications	Nirmal Kumar Mandal	28/12/2020	08/01/2021	2
G UW18	Concept Mapping in Teaching Learning	Samiran Mandal	28/12/2020	01/01/2021	1
ICT23	Numerical and Statistical Methods with PYTHON	Kinsuk Giri	28/12/2020	01/01/2021	1

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NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING RESEARCH, KOLKATA  
PROGRAMME CALENDAR 2020-21

Prog. Code	Programme Title	Programme Co-ordinator(s)	Start Date	End Date	Duration (Week)
PS27	Induction Training	Sukanta Kumar Naskar	28/12/2020	01/01/2021	1
CU93	Formal Languages and Automata	Samir Roy	04/01/2021	08/01/2021	1
CU94	Concept Teaching in Fluid Mechanics	Dipankar Bose	04/01/2021	08/01/2021	1
CU95	Testing of Pavement Materials, Analysis and Design of Flexible Pavements	Jagat Jyoti Mandal	04/01/2021	15/01/2021	2
CU96	Applications of MATLAB in Control System, Image Processing, Fuzzy Logic and Circuit Simulation	Sagarika Pal	04/01/2021	15/01/2021	2
ICT24	Organizational Behaviour	Mithu Dey	04/01/2021	08/01/2021	1
PS28	Entrepreneurship Development	Subrata Mondal	04/01/2021	08/01/2021	1
PS29	Induction Training	Habiba Hussain	04/01/2021	15/01/2021	2
BBSR25	Question Paper Designing and Student's Performance Evaluation	Chandan Chakraborty	11/01/2021	15/01/2021	1
CU97	Surveying (Chain, Plane Table, Compass, Levelling, Contouring, Layout of Building)	Uday Chand Kumar	11/01/2021	15/01/2021	1
CU98	Discrete Mathematics	Kinsuk Giri	11/01/2021	15/01/2021	1
CU99	Power System Protection	Sheela Yadav Rai	11/01/2021	15/01/2021	1
GUW19	Power Electronics in Power System	Soumitra Kumar Mandal	11/01/2021	15/01/2021	1
ICT25	Engineering Capstone Project	Prasanta Sarkar	11/01/2021	15/01/2021	1
CU100	Design of Concrete Mix as per IS:10262-2019	Santanu Bhanja	18/01/2021	22/01/2021	1
CU101	Solar PV System: Operation & Control	Soumitra Kumar Mandal	18/01/2021	22/01/2021	1
CU102	Production and Operations Management	Samiran Mandal	18/01/2021	22/01/2021	1
CU103	Introduction to Soft Computing	Samir Roy & Indrajit Saha	18/01/2021	29/01/2021	2
ICT26	Introduction to Coding Theory	Rajeev Chatterjee	18/01/2021	22/01/2021	1
BBSR26	Control Engineering with MATLAB	Prasanta Sarkar	25/01/2021	29/01/2021	1
CU104	Theory and Practices on Advanced Welding Processes: TIG, MIG, Pulsed TIG, Medium and Soft Plasma Arc Welding	Arpan Kumar Mondal	25/01/2021	05/02/2021	2
GUW20	Power Plant Instrumentation	Subrata Chattopadhyay	25/01/2021	29/01/2021	1
PS30	Research in Technical Education	Chandan Chakraborty	25/01/2021	29/01/2021	1
BBSR27	Outcome Based Accreditation and NBA	Urmila Kar	01/02/2021	05/02/2021	1
CU105	Earthquake Resistant Structures using Software with Advanced Technology	Mithu Dey	01/02/2021	05/02/2021	1
CU106	Introduction to Web Designing using PHP and MySQL	Indrajit Saha & Kinsuk Giri	01/02/2021	05/02/2021	1
CU107	Transmission Line Parameters	Sheela Yadav Rai	01/02/2021	05/02/2021	1
CU108	Refrigeration and Air Conditioning	Ravapati Subbarao	01/02/2021	05/02/2021	1
GUW21	Refresher Course in Strength of Material	Jagat Jyoti Mandal	01/02/2021	05/02/2021	1
ICT27	Statistics for Data Analysis	Chandan Chakraborty	01/02/2021	05/02/2021	1
PS31	Design and Development of content for e-Learning	Rajeev Chatterjee & Ranjan Dasgupta	01/02/2021	12/02/2021	2
CU109	Modelling, Analysis and Design of structures using latest version of STAAD	Santanu Bhanja	08/02/2021	12/02/2021	1
CU110	Advanced Welding Processes	Dipankar Bose	08/02/2021	12/02/2021	1
CU111	PLC and LABVIEW Applications in Engineering	Soumitra Kumar Mandal	08/02/2021	19/02/2021	2
BBSR28	Introduction to Network Security	Indrajit Saha	15/02/2021	19/02/2021	1
CU112	Data Science and Machine Learning	Chandan Chakraborty	15/02/2021	19/02/2021	1
CU113	MS Project Software Based	Arpan Kumar Mondal & Nirmal Kumar Mandal	15/02/2021	19/02/2021	1
CU114	Lab Experiment in Electrical Motoros, Electrical Machine and Control	Prasanta Sarkar	15/02/2021	19/02/2021	1
GUW22	Ecology and Environmental Studies	Uday Chand Kumar	15/02/2021	19/02/2021	1
ICT28	Renewable Energy Sources and Emerging Technologies	Sheela Yadav Rai	15/02/2021	19/02/2021	1
CU115	Pollution Testing	Sailendra Nath Mandal	22/02/2021	05/03/2021	2
CU116	Mathematical Foundation of Computer Science	Kinsuk Giri & Samir Roy	22/02/2021	05/03/2021	2
BBSR29	Designing Question Papers	Habiba Hussain	01/03/2021	05/03/2021	1
CU117	Transmission Lines Faults	Sheela Yadav Rai	01/03/2021	05/03/2021	1
CU118	Design of Web-applications using DBMS (PHP & MySQL)	Ranjan Dasgupta	01/03/2021	12/03/2021	2
GUW23	Management of Laboratory and Workshop Classes	Dipankar Bose	01/03/2021	05/03/2021	1
ICT29	Fundamentals of Network Security	Indrajit Saha	01/03/2021	05/03/2021	1
CU119	Electrical Measurement and Instrumentation	Subrata Chattopadhyay	08/03/2021	12/03/2021	1
CU120	Applied Thermodynamics	Ravapati Subbarao	08/03/2021	12/03/2021	1
MGT07	Awareness programme on Occupational Health and Safety	Uday Chand Kumar	08/03/2021	12/03/2021	1
BBSR30	Power Plant Instrumentation	Subrata Chattopadhyay	15/03/2021	19/03/2021	1
CU121	Modeling and Analysis of Electrical Circuits and Networks	Urmila Kar	15/03/2021	19/03/2021	1
GUW24	Effective Teaching	Habiba Hussain	15/03/2021	19/03/2021	1
ICT30	Development of Laboratory Instruction and Manual	Subrata Mondal	15/03/2021	19/03/2021	1
MGT08	Analytics for Decision Making	Chandan Chakraborty	15/03/2021	19/03/2021	1
PS32	Make in India Concept – Role of Start-up and Incubation	Dipankar Bose & Arpan Kumar Mondal	15/03/2021	19/03/2021	1
BBSR31	Basics of Welding processes and CNC Machining	Arpan Kumar Mondal	22/03/2021	26/03/2021	1
CU122	Testing of Pavement Materials	Mithu Dey	22/03/2021	26/03/2021	1
CU123	Introduction of Machine Learning and Internet of Things	Indrajit Saha & Chandan Chakraborty	22/03/2021	26/03/2021	1
CU124	HPC and Cloud Computing	Ranjan Dasgupta & Kinsuk Giri	22/03/2021	26/03/2021	1
CU125	PCB Design	Soumitra Kumar Mandal	22/03/2021	26/03/2021	1
CU126	Finite Element Analysis with Ansys Applications	Nirmal Kumar Mandal	22/03/2021	26/03/2021	1
ICT31	NBA Accreditation and SAR Preparation	Ravapati Subbarao	22/03/2021	26/03/2021	1

CU, MGT, PS Code: held at Kolkata Centre, BBSR Code: held at Bhubaneswar Extn. Centre and GUW Code: held at Guwahati Extn. Centre

