

**NATIONAL INSTITUTE OF TECHNICAL TEACHERS
TRAINING AND RESEARCH CHANDIGARH**

SHORT TERM TRAINING PROGRAMMES ENGINEERING COLLEGES

SHORT TERM TRAINING PROGRAMMES

The training programmes for specific state/s as mentioned in 'Beneficiary State' have been planned on the special request received from those state/s, however the teachers from other Northern States can also participate in these programmes. Programmes incorporated for 'Northern Region States' have been requested by most of these States.

O. Plan No.	Programme Title	Coordinating Department	Beneficiary State	Schedule	Venue / Remarks
APRIL 2012					
1.	TCP/IP Based Computer Network	E&CE	Northern Region States	16-20 Apr	NITTTR CHD
2.	Research Methodology	EMGT	PU	16-20 Apr	GZSCET Bathinda
3.	CAD/CAM	Mech Engg	Northern Region States	16-20 Apr	NITTTR CHD
4.	Automation in Industries	Elect Engg	Northern Region States	23-27 Apr	NITTTR CHD
5.	Strengthening Research Methodology	EDIC	PU	30 Apr - 04 May	GNDEC Ludhiana
MAY 2012					
6.	Designing Current Awareness Services	Library	National Level	07-11 May	NITTTR CHD
7.	Nanotechnology: Opportunity and Challenges	App Sc.	Northern Region States	07-11 May	NITTTR CHD
8.	PHP and Mysql	Comp Sc.	Northern Region States	07-11 May	NITTTR CHD
9.	Induction Training Programme for Newly Recruited Teachers	EMGT	Northern Region States	07-18 May	NITTTR CHD
10.	Cloud Computing	Comp Sc.	Northern Region States	14-18 May	NITTTR CHD
11.	Soft Computing Techniques	E&CE	Northern Region States	14-18 May	NITTTR CHD
12.	AutoCAD	Civil Engg	Northern Region States	14-25 May	NITTTR CHD/ Delhi
13.	Physics Laboratory Organization and Updating	App Sc.	Northern Region States	21-25 May	NITTTR CHD
14.	Modern Building Materials and Sustainability in Construction	Civil Engg	Northern Region States	21-25 May	NITTTR CHD
15.	Moodle LMS	Comp Sc.	Northern Region States	21-25 May	NITTTR CHD
16.	Power Electronics	Elect Engg	Northern Region States	21-25 May	NITTTR CHD
17.	Strategic Management and SWOT Analysis for Excellence	MCE	Northern Region States	21-25 May	NITTTR CHD

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18.	Neural Networks and Optimization Techniques and Applications	ETV	Northern Region States	28 May - 01 Jun	NITTTR CHD/ Outstation
19.	TQM and NBA Accreditation in Technical Institutions	EDIC	PU	28 May - 01 Jun	GZSCET Bathinda
JUNE 2012					
20.	Business and Soft Skills Development in Institutions	MCE	Northern Region States	04-08 Jun	NITTTR CHD
21.	OFC System Design and Simulations	App Sc.	Northern Region States	Jun/Dec	Delhi/PU
JULY 2012					
22.	Structural Auditing and Rehabilitation	Civil Engg	Northern Region States	09-13 Jul	NITTTR CHD
23.	Green Technologies for Combating Climate Change and Sustainable Development	Rural Dev	Northern Region States	09-13 Jul	Pant Nagar/Srinagar Garhwal
24.	VB.Net	Comp Sc.	Northern Region States	16-20 Jul	NITTTR CHD
25.	Renewable Energy Based Technologies	Rural Dev	Northern Region States	16-20 Jul	NITTTR CHD
26.	Institutional Accreditation (NBA) and Quality Management	MCE	National Level	16-20 Jul	NITTTR CHD
27.	Supervisory Development Skills for Workshop Instructors	Mech Engg	Northern Region States	16-20 Jul	NITTTR CHD
28.	Optical Fibers: Communication and Sensing Applications	App Sc.	National Level	16-27 Jul	NITTTR CHD
29.	Transportation, Planning, Design and Management in Urban Area	Civil Engg	Northern Region States	23-27 Jul	NITTTR CHD
30.	Energy Management	Elect Engg	Northern Region States	23-27 Jul	NITTTR CHD
31.	Teaching Practices in Engineering Drawing	Mech Engg	Northern Region States	23-27 Jul	NITTTR CHD
32.	Internet Technology	Comp Sc.	Northern Region States	30 Jul - 03 Aug	NITTTR CHD
33.	Wireless LANs	E&CE	Northern Region States	30 Jul - 03 Aug	NITTTR CHD
AUGUST 2012					
34.	Mobile Computing	Comp Sc.	Northern Region States	06-10 Aug	NITTTR CHD
35.	Linux Administration	Comp Sc.	Northern Region States	20-24 Aug	NITTTR CHD
36.	Innovation and Creativity Development in Teachers and Students	MCE	Northern Region States	27-31 Aug	NITTTR CHD
37.	Disaster Management and Sustainable Development	Rural Dev	Northern Region States	21 Aug – 05 Sep	Udaipur

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38.	Nuclear Radiations and Their Applications	App Sc.	Northern Region States	27-31 Aug	NITTTR CHD
39.	Web Hacking and Security	Comp Sc.	Northern Region States	27-31 Aug	NITTTR CHD
40.	Virtual Instrumentation	Elect Engg	Northern Region States	27-31 Aug	NITTTR CHD
41.	TQM and ISO 9000 and NBA/AICTE Accreditation in Technical Institutions	EDIC	National Level	27-31 Aug	NITTTR CHD
42.	Antenna and Microwave: Learning through Experimentation	ETV	National Level	27-31 Aug	NITTTR CHD
43.	Repair and Maintenance of Machine Tools	Mech Engg	Northern Region States	27-31 Aug	NITTTR CHD
SEPTEMBER 2012					
44.	Concrete Mix Design – New Directions	Civil Engg	Northern Region States	03-07 Sep	NITTTR CHD
45.	Web Based Designing	Comp Sc.	Northern Region States	03-07 Sep	NITTTR CHD
46.	Communication Using MATLAB	E&CE	Northern Region States	03-07 Sep	NITTTR CHD
47.	Wireless Network	Comp Sc.	Northern Region States	10-14 Sep	NITTTR CHD
48.	Project Planning and Management	Civil Engg	Northern Region States	10-14 Sep	NITTTR CHD
49.	Internet Collaborative Tools for Librarians	Library	Northern Region States	10-14 Sep	NITTTR CHD
50.	Network Security and Firewall	Comp Sc.	Northern Region States	17-21 Sep	NITTTR CHD
51.	Animation for Web	Comp Sc.	Northern Region States	17-21 Sep	NITTTR CHD
52.	Control of Electrical Motors	Elect Engg	Northern Region States	17-21 Sep	NITTTR CHD
53.	STAAD PRO	Civil Engg	Northern Region States	24-28 Sep	NITTTR CHD
54.	Web Based Content Development	Comp Sc.	Northern Region States	24-28 Sep	NITTTR CHD
55.	Matlab Programming	Comp Sc.	National Level	24-28 Sep	NITTTR CHD
56.	Electrical, Electronics and Computer Based Projects	Elect Engg	Northern Region States	24-28 Sep	NITTTR CHD
57.	Digital Signal Processing and Application to Video	ETV	Northern Region States	24-28 Sep	NITTTR CHD/ Outstation
OCTOBER 2012					
58.	Mapping by Total Station	Civil Engg	Northern Region States	03-05 Oct	NITTTR CHD

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59.	Open Source Technology	Comp Sc.	Northern Region States	15-19 Oct	NITTTR CHD
60.	FPGA Based Digital System Designing	E&CE	Northern Region States	15-19 Oct	NITTTR CHD
61.	Research Methodology	EMGT	National Level	15-19 Oct	NITTTR CHD
62.	Educational Auditing for Technical Institutions	MCE	National Level	15-19 Oct	NITTTR CHD
NOVEMBER 2012					
63.	Cyber Crime and Forensic Tools	Comp Sc.	Northern Region States	05-09 Nov	NITTTR CHD
64.	Introduction to Digital System Design	E&CE	Northern Region States	05-09 Nov	NITTTR CHD
65.	Nanomaterials: Characterization and Applications	App Sc.	Northern Region States	19-23 Nov	NITTTR CHD
66.	Database Technologies	Comp Sc.	Northern Region States	19-23 Nov	NITTTR CHD
67.	Computer Aided Power System Analysis	Elect Engg	Northern Region States	19-23 Nov	NITTTR CHD
68.	Managing Yourself	MCE	Northern Region States	19-23 Nov	NITTTR CHD
69.	Soft Computing Techniques and Applications	ETV	Northern Region States	19-23 Nov	NITTTR CHD/ Outstation
70.	MATLAB and Its Applications	Elect Engg	Northern Region States	26-30 Nov	NITTTR CHD
JANUARY 2013					
71.	Open Source and Multimedia	ETV	Northern Region States	14-18 Jan	NITTTR CHD/ Outstation
72.	PCB Layout, Fabrication and Testing	ESC	Northern Region States	14-18 Jan	NITTTR CHD
73.	Achieving Managerial Excellence	MCE	Northern Region States	14-18 Jan	NITTTR CHD
74.	Modeling and Simulation Using MATLAB	Mech Engg	Northern Region States	14-18 Jan	NITTTR CHD
75.	Effective Teaching and Classroom Communication	EMGT	Northern Region States	14-25 Jan	NITTTR CHD
76.	Nuclear Energy and Power Options	App Sc.	Northern Region States	21-25 Jan	NITTTR CHD
77.	Structural Design Using ETABS	Civil Engg	Northern Region States	21-25 Jan	NITTTR CHD
78.	Laboratory Application in Quality Control of Concrete	Civil Engg	Northern Region States	21-25 Jan	NITTTR CHD
79.	Computer Aided Circuit Simulation	Elect Engg	Northern Region States	21-25 Jan	NITTTR CHD
80.	Independent Study Techniques	Library	Northern Region States	21-25 Jan	NITTTR CHD

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81.	Microcontroller Applications	Elect Engg	National Level	28 Jan - 01 Feb	NITTTR CHD
FEBRUARY 2013					
82.	GIS Applications in Engineering and Sciences	Civil Engg	Northern Region States	04-08 Feb	NITTTR CHD
83.	Computer Networking with CISCO Technology	Comp Sc.	Northern Region States	04-08 Feb	NITTTR CHD
84.	Wireless Communication and Mobile Computing	Comp Sc.	National Level	04-08 Feb	NITTTR CHD
85.	4G Technology	E&CE	Northern Region States	04-08 Feb	NITTTR CHD
86.	Laser Science and Technology	App Sc.	Northern Region States	11-15 Feb	NITTTR CHD
87.	Soil Investigation Techniques	Civil Engg	Northern Region States	11-15 Feb	NITTTR CHD
88.	Faculty Development: Planning and Management	MCE	Northern Region States	11-15 Feb	NITTTR CHD
89.	Auto CAD 3D	Mech Engg	Northern Region States	11-15 Feb	NITTTR CHD
90.	Power Supply Design Fabrication and Testing	ESC	National Level	11-22 Feb	NITTTR CHD
91.	Open Source Technology	Comp Sc.	Northern Region States	18-22 Feb	NITTTR CHD
92.	Entrepreneurship Using Blue Ocean Strategies and Starting a Technology Business Incubator	EDIC	National Level	18-22 Feb	NITTTR CHD
93.	ANN and FL using MATLAB	Elect Engg	Northern Region States	18-22 Feb	NITTTR CHD
94.	Preparing Students for Job Interviews/Development of Generic Skills/Soft Skills	EMGT	HP	18-22 Feb	GEC Sundernagar
95.	CAD Using CATIA	Mech Engg	National Level	18-22 Feb	NITTTR CHD
MARCH 2013					
96.	VLSI System Design Engineering	E&CE	Northern Region States	04-08 Mar	NITTTR CHD
97.	Mechatronics	Mech Engg	National Level	04-08 Mar	NITTTR CHD
98.	Digital Signal and Image Processing	E&CE	Northern Region States	11-15 Mar	Outstation
99.	Recent Developments in Refrigeration and Air Conditioning	Mech Engg	Northern Region States	11-15 Mar	NITTTR CHD
100.	Digital Library Management	Library	Northern Region States	18-20 Mar	NITTTR CHD
101.	Faculty Development Programme (FDP) on Entrepreneurship Development (DST sponsored)	EDIC	Northern Region States	18-29 Mar	NITTTR CHD
102.	FACTS Technology	Elect Engg	Northern Region States	Subject to permission obtained from GND Delhi	GND Delhi

SEMINARS / CONFERENCES

O. Plan No.	Programme Title	Coordinating Department	Beneficiary State	Target Group	Schedule	Venue / Remarks
1.4.1	National Seminar on 'ICT in Technical Education'	EMGT	National Level	Polys/ Engg Colleges Faculty/ DTEs/BTEs/ Technical Universities	06-07 Sep	NITTTR CHD
1.4.2	National Seminar on Sustainable Development of Rural India by 2022	Rural Development	National Level	Polys/ Engg Colleges Faculty/ Industry Personnel	18-19 Oct	NITTTR CHD
1.4.3	National Conference on Latest Development in Pollution Control and Prevention Techniques	Civil Engg	National Level	Polys/ Engg Colleges Faculty/ Industry Personnel	21-22 Nov	NITTTR CHD
1.4.4	National Conference on Advances in Manufacturing Technology	Mech Engg	National level	Polys/ Engg Colleges Faculty/ Industry Personnel	14-15 Mar	NITTTR CHD