Offline Vocational / Industrial / Internship Training

Mode of Training :

- Offline Classroom session and live demonstration for Lab Sessions.

Mode of payment :

- Online payment through UPI / NEFT / Net-banking /IMPS
- Bank : SBI, Kalyani, A/ C No. : **11151090105** , IFSC : **SBIN0001082**
- Account Name : Accounts Officer BSNL NSCBTTC Kalyani.
- Fee once paid will not be refunded or transferred.

Key Points :

- Training will be conducted at NSCBTTC Campus consisting of theory class and Lab demonstration.
- Training will be conducted for 5 days per week, 3 hours per day.
- Flexible timing of training class, 11 AM to 2 PM or 2 PM to 5 PM.
- Certificate will be issued after successful completion of the training.
- A presentation to be delivered on the last day of the training.
- Training Report to be submitted by the trainees of 4 weeks batch only.
- Training Report / Project report submission certificate will be issued to the trainees of 4 weeks batch only.
- For Course content follow **Course Details Section**.

Discount : 10 % discount may be offered for a group of 50 students or more from same college. 25% discount for wards of BSNL employees.

Offline Courses Offered :

Sl	Name of the Course	Eligibility	Duration	Fees
1	Vocational Training on Basic Telecom Technology .	Diploma Engineering students of ECE/EE/EIE	2 Weeks	Rs.3540/-
2	Vocational Training on Basic Information Technology.	Diploma Engineering students of CSE / IT/ECE	2 Weeks	Rs.3540/-
3	Industrial Training on Telecom Technology.	Diploma/ Degree Engineering students of ECE/EE/EIE	3 Weeks	Rs.5310/-
4	Industrial Training on Information Technology.	Diploma / Degree Engineering students of CSE / IT/ECE	3 Weeks	Rs.5310/-
5	Industrial Training on Advance Telecom Technology (with training report)	Degree / Diploma Engineering students of ECE/EE/EIE	4 Weeks	Rs.7080/-
6	Industrial Training on Networking and Security Technology (with training report)	Degree / Diploma Engineering students of CSE /IT /ECE /EE /EIE	4 Weeks	Rs. 7080/-
7	Internship on Advanced Telecom Technology (with mini project)	Degree / Diploma Engineering students of ECE/EE/EIE	4 Weeks	Rs. 7080/-
8	Internship on Networking and Security Technology (with mini project)	Degree / Diploma Engineering students of CSE /IT /ECE /EE /EIE	4 Weeks	Rs. 7080/-
9	Internship on Optical Fibre Technology (with mini Project)	Degree / Diploma Engineering students of ECE/EE/EIE	4 Weeks	Rs. 7080/-

How to Apply :

- Express your interest at https://forms.gle/SBC3XZKAhGkhE36P7
- Make Payment to A/ C No. : **11151090105** , IFSC : **SBIN0001082** of SBI, Kalyani.
- Keep receipt of online transaction and note the transaction ID.
- Fill up the registration form by visiting https://kolkata.bsnl.co.in/NSCBTTCWEBPAGE/
- Registration will be approved in website after verification of payment.
- E-Mail with training details will be send before commencement of the training.

For Further Information

Contact : Mr. Sanjib Ghosh, Marketing Executive (9432000207)
Mr. Ashit Biswas, Principal (9432000169)

Course Details

Vocational Training on Basic Telecom Technology	
Duration :	2 Weeks
Eligibility :	Diploma Engineering students of ECE/EE/EIE etc.
Key Topics :	Telecom Switching Network & NGN, Overview of Digital Transmission Technology, Overview of Telecom Infrastructure & Power Plant, Broadband Network Overview, DSL Technologies, ADSL CPE & Security in Wifi Broadband Access, Optical Fiber Communication Overview, Optical Fiber Splicing, Connectors and Couplers, Mobile Communication overview, 3G & 4G Mobile Communication, IOT, Cyber Security.
Practical Topics :	Telecom Components, Telecom Switching Lab, Transmission System Lab, SMPS & Power Plant Lab, OFC demonstration and OFC Splicing, Mobile Communication Lab, Broadband Network demonstration & Broadband CPE configuration etc.
Assessment :	Presentation by trainees on any topic.
Certification :	Successfully Completion Certificate from BSNL.
Vocational Training on Basic Information Technology	
Duration :	2 Weeks
Eligibility :	Diploma Engineering students of CSE / IT
Key Topics :	Object Oriented Programming with Java, Database Concept and SQL, Linux Operation System, Cloud Computing and virtualization, IOT.
Practical Topics :	Core Java programming, Oracle Database administration and SQL, Linux Administration, Virtual Machine Configuration, IOT demonstration using Packet Tracer.
Assessment :	Presentation by trainees on any topic.
Certification :	Successfully Completion Certificate from BSNL.
Industrial Training on Telecom Technology	
Duration :	3 Weeks
Eligibility :	Diploma / Degree Engineering students of ECE/EE/EIE etc
Key Topics :	Telecom Switching Network & NGN, Overview of Telecom Infrastructure and power plant, Overview of Digital Transmission Technology, SDH and DWDM Technology, FTTH, Broadband Access Technologies, Broadband Network Overview, DSL Technologies & ADSL CPE, VLAN & DSLAM, Optical Fiber Communication, Optical Fiber Splicing Connectors &

	Couplers, OFC Fault Localisation, Overview of Mobile Communication, 3G & 4G Mobile Communication, Networking Concept OSI Model LAN, TCP/ IP and IP Addressing, Routing Principle and Router Architecture, IOT.
Practical Topics :	Telecom Switching Lab, Telecom Transmission systems, PDH & SDH Lab, SMPS & Power Plant Lab, OFC demonstration and OFC Splicing, OFC fault Localisation using OTDR, Mobile Antenna and BTS Testing, Drive Test and analysis of radio parameter, Broadband Network & Broad CPE configuration, VLAN & DSLAM Configuration, IOT Case study.
Assessment :	Presentation by trainees on any topic.
Certification :	Successfully Completion Certificate from BSNL.
Industrial Training on Information Technology	
Duration :	3 Weeks
Eligibility :	Diploma / Degree Engineering students of CSE / IT
Key Topics :	Object Oriented Programming with Java, Database Concept and SQL, Linux Operation System, Cloud Computing and virtualization, IOT, Networking Concept, OSI Model, TCP/ IP and IP Addressing, Routing Principle and Router Architecture, Information and Cyber Security.
Practical Topics :	Core Java programming, Oracle Database administration and SQL, Linux Administration, Virtual Machine Configuration, IOT demonstration using Packet Tracer, Router Configuration, Static and Dynamic routing configuration, Implementation of security using firewall.
Assessment :	Presentation by trainees on any topic.
Certification :	Successfully Completion Certificate from BSNL.
Industrial Training on Advance Telecom Technology (with training report)	
Duration :	4 Weeks
Eligibility :	Degree / Diploma Engineering students of ECE/EE/EIE etc
Key Topics :	Telecom Switching Network & NGN, Overview of Telecom Infrastructure and power plant, Overview of Digital Transmission Technology, SDH and DWDM Technology, FTTH, Broadband Access Technologies, Broadband Network Overview, DSL Technologies & ADSL CPE, VLAN & DSLAM, Optical Fiber Communication, Optical Fiber Splicing Connectors & Couplers, OFC Fault Localisation, Overview of Mobile Communication, 3G/4G & 5G Mobile Communication, Networking Concept OSI Model LAN, TCP/ IP and IP Addressing, Routing Principle and Router Architecture, Information and Cyber Security, IOT.

Lab Topics :	Telecom Switching Lab, Telecom Transmission systems, PDH & SDH Lab, SMPS & Power Plant Lab, OFC demonstration and OFC Splicing, OFC fault Localisation using OTDR, Mobile Antenna and BTS Testing, Drive Test and analysis of radio parameter, Broadband Network & Broad CPE configuration, VLAN & DSLAM Configuration, Router Configuration, Static and Dynamic routing configuration, Implementation of security using firewall, IOT Case study etc.
Assessment :	Preparation and submission of training report and presentation by trainees.
Certification :	Successfully Completion Certificate & training report submission certificate from BSNL.
Industrial Training on Networking and Security Technology (with training report)	
Duration :	4 Weeks
Eligibility :	Degree / Diploma Engineering students of CSE /IT /ECE /EE /EIE
Key Topics :	Basic networking concepts, OSI & TCP/IP, IPv4 Addressing & Subnetting, Routing Concept and Routing Protocol, Router architecture & Configuration, LAN and Switch, VLAN Concept, Inter VLAN routing, IPv6 and its Implementation, ACL Concept and Firewall, VPN and MPLS, Cyber Security, Wireless LAN and Security, Network Servers : DNS, DHCP, FTP, PROXY, WEB Server etc
Practical Topics :	Identification of Networking Components, LAN Implementation, Subnetting and super-netting implementation, Basic Switch Configuration, VLAN configuration in Switch, Inter VLAN configuration, Basic Router Configuration, Static and Default Routing Configuration, Configuration of Dynamic Routing Protocols, IPv6 Configuration in Router, ACL Configuration, VPN Configuration, implementing security using firewall. Configuration of network servers and services.
Assessment :	Preparation and submission of training report and presentation by trainees.
Certification :	Successfully Completion Certificate & training report submission certificate from BSNL.
Internship on Advance Telecom Technology (with mini Project)	
Duration :	4 Weeks
Eligibility :	Degree / Diploma Engineering students of ECE/EE/EIE etc
Key Topics :	Telecom Switching Network & NGN, Overview of Telecom Infrastructure and power plant, Overview of Digital Transmission Technology, SDH and DWDM Technology, FTTH, Broadband Access Technologies, Broadband Network Overview, DSL Technologies & ADSL CPE, VLAN & DSLAM, Optical Fiber Communication, Optical Fiber Splicing

	Connectors & Couplers, OFC Fault Localisation, Overview of Mobile Communication, 3G/4G & 5G Mobile Communication, Networking Concept OSI Model, LAN, TCP/ IP and IP Addressing, MPLS VPN, Routing Principle and Router Architecture,, Information and Cyber Security, IOT.
Practical Topics :	Telecom Switching Lab, Telecom Transmission systems, PDH & SDH Lab, SMPS & Power Plant Lab, OFC demonstration and OFC Splicing, OFC fault Localisation using OTDR, Mobile Antenna and BTS Testing, Drive Test and analysis of radio parameter, Broadband Network & Broad CPE configuration, VLAN & DSLAM Configuration, Router Configuration, Static and Dynamic routing configuration, Implementation of security using firewall, IOT Case study etc.
Assessment :	Preparation and submission of Project Report on a topic .
Certification :	Successfully Completion Certificate & Project Completion certificate from BSNL.
Internship on Networking and Security Technology (with mini Project)	
Duration :	4 Weeks
Eligibility :	Degree / Diploma Engineering students of CSE /IT /ECE /EE /EIE
Key Topics :	Basic networking concepts, OSI & TCP/IP, IPv4 Addressing & Subnetting, Routing Concept and Routing Protocol, Router architecture & Configuration, LAN and Switch, VLAN Concept, Inter VLAN routing, IPv6 and its Implementation, ACL Concept and Firewall, VPN and MPLS, Cyber Security, Wireless LAN and Security, Network Servers : DNS, DHCP, FTP, PROXY, WEB Server etc
Practical Topics :	Identification of Networking Components, LAN Implementation, Subnetting and supernetting implementation, Basic Switch Configuration, VLAN configuration in Switch, Inter VLAN configuration, Basic Router Configuration, Static and Default Routing Configuration, Configuration of Dynamic Routing Protocols, IPv6 Configuration in Router, ACL Configuration, VPN Configuration, implementing security using firewall. Configuration of network servers and services.
Assessment :	Preparation and submission of Project Report on a topic .
Certification :	Successfully Completion Certificate & Project Completion certificate from BSNL.
Internship on Optical Fibre Technology (with mini Project)	
Duration :	4 Weeks
Eligibility :	Degree / Diploma Engineering students of ECE /EE /EIE

Key Topics :	Overview of Optical Communication, Structure of Optical Fibre Cable, Different types of OFC, Laying of OFC, Optical Fiber Splicing, Optical Fibre Connectors Couplers and Optical Joint box, Optical Measuring Instruments, Overview of Digital Transmission Technology, SDH and DWDM Technology, CPAN, Overview of Optical Transport Network, FTTH Technology
Practical Topics :	Optical Fibre Splicing, Fault Localisation using OTDR, Demonstration of Optical Transmission Network, Optical Link installation, Optical Link Measurement, FTTH Lab etc.
Assessment :	Preparation and submission of Project Report on a topic .
Certification :	Successfully Completion Certificate & Project Completion certificate from BSNL.

For further information regarding course contents :

Contact : Mr. T K Mondal (9432000207)
SDE, NSCBTTC, Kalyani.