



POWER MANAGEMENT INSTITUTE TRAINING CALENDAR 2024-25



2024
BEST
Award Winner



RANK# 3



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Participant Benefits	Venue, Duration, and Dates	
After attending this program, the participants will be able to understand: <ul style="list-style-type: none"> • Basics of Supercritical unit • Boiler light up and raising of steam parameters • Unit synchronization and load raising • Wet to dry change over • CMC mode operation of the unit. 	Venue: PMI Duration: 12 days Dates: 01 April-13 April 2024 15 April- 27 April 2024	
Course Coverage	Target Audience	
Major topics that will be covered during the course. <ul style="list-style-type: none"> • Introduction to 660 MW Simulator Power Supply Restoration to various buses and MCCs. • Raw Water, Condenser Water, ECW (TG & SG), Secondary CW systems DM Plant and DM Water System. Compressed Air Systems. Boiler Purge logics, Interlocks and Protections, Water Separator level control etc. • LDO/HFO oil circuits, oil heating etc. • Filling of Hotwell & Deaerator, CST etc. • Generator Stator Water, Seal Oil System, Gas System, • CEP and normalization of condensate system and CPU. • Starting of MD BFP, HP heaters water side charging, Boiler Circulation Pump operation etc. Starting of APHs, ID/FD fans, Furnace Purge and Boiler Light up. • Normalisation of Turbine Lube Oil, Jacking Oil and Barring Gear. Condenser Vacuum pulling, Seal Steam system, HP and LP bypass system and raising of steam parameters. • Turbine Governing System, Turbine Trip resetting, Turbine Cold Rolling, Unit Synchronization and Block loading. • Charging of LP Heaters from steam side. • Starting of Coal firing: Starting of PA fans, Seal Air Fan and Coal Mills. Control of MS and RH steam temperature. • Turbine Governing System and Turbine Protection systems. • Boiler Wet to Dry change over. Starting of second Turbine BFP, stopping of MDBFPs etc. Unit load up to 500 MW 	This program is only for ETs.	
	Learning Methods	Lecture, Discussion, hands on training on Simulator
	Course Director	S K Vishwakarma Sr. Manager (PMI) M/No- 9648474186 skvishwakarma@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential



Objectives

The objective of this training program is to equip the end users at various projects with the working knowledge of Microsoft Project which will enable them to efficiently and effectively manage and co-ordinate the various sub-activities of a target activity viz. overhauling of a unit, readiness of a system, project activities etc.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Effectively manage activity plan • Budget planning • Monitoring & controlling and updating the activities • Conduct Variance Analysis • Accurately predict, plan and manage the required resources and the project budget • Generate Project MIS 	Venue: PMI Duration :3 days Dates :01-03 April 2024 12-14 August 2024
	Target Audience
	Executives up to E7
Course Coverage	Learning Methods
Major topics that will be covered during the course <ul style="list-style-type: none"> • Project scheduling and monitoring tool • Project management lifecycle phases • Features offering of Microsoft Project 	Class room sessions Practice on computer
	Course Director
	Rahul Gupta Sr. Manager (PMI) rahulgupta01@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential subject to availability of rooms at PMI



Objectives

Superannuation is like playing second and longest innings of one's life. Enjoying this phase comfortably and peacefully requires certain basics of retirement planning. Are you prepared to pursue the life that you have planned to lead when you actually superannuate?

Financial planning for superannuation is very important. One should make sincere efforts to plan for superannuation. Nobody can predict the future because we don't know what will be return on your savings or what will be the inflation rate when you actually retire.

Participant Benefits	Venue, Duration and Dates
At the end of the program, the participants shall be able to: <ul style="list-style-type: none"> ● Take up challenges in future - both financially and health-wise. ● Examine the post-superannuation benefits. ● Analyze different investment scenarios ● Built up expertise in taking good investment decisions 	Venue: PMI, Noida Duration: 03 Days Dates: 03-05 April 2024 01-03 May, 2024 24-26 June, 2024 15-17 July, 2024 05-07 Aug, 2024 02-04 Sept, 2024 14-16 Oct, 2024 18-20 Nov, 2024 16-18 Dec, 2024 15-17 Jan, 2025 09-11 Feb, 2025 10-12 March, 2025
Course Coverage	Target Audience
<ul style="list-style-type: none"> ● Self-esteem and optimism. ● Exploring investment avenues. ● Leaving behind your legacy. ● Proactive approach to excellent health ● Securing financial future through financial planning. ● Action plan for maintaining work-life balance 	Executives of NTPC due for superannuation in 5 Years. <hr/> Learning Methods Lecture, Discussion, etc. <hr/> Course Director S K Majumdar, GM & Sr. Faculty Member (PMI) Mob: 9650994625 skmajumdar03@ntpc.co.in Anoop Kumar, DGM & Sr. Faculty Member (PMI) Mob : 9650996086 anoopkumar@ntpc.co.in
Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Residential, subject to availability of rooms at PMI



CERTIFICATION PROGRAM ON CLOUD COMPUTING

Objectives

This Cloud Computing course is designed to provide you with a comprehensive understanding of this transformative technology. The course covers the fundamentals of cloud computing, including its evolution and the benefits it offers compared to traditional IT infrastructure. You will also learn about the different service models (IaaS, PaaS, SaaS) and deployment options (public, private, hybrid) to help you make informed decisions that suit your specific needs.

Participant Benefits	Venue, Duration, and Dates	
<p>After attending this program, the participants will be able to:</p> <ul style="list-style-type: none"> • Master Cloud Concepts: Learners will be able to grasp the core principles of cloud computing, its benefits, and differentiating service models (IaaS, PaaS, SaaS) and deployment options (public, private, hybrid). Leveraging the AWS Global Infrastructure. • Navigate Azure Hands-On: Learners will be able to gain practical experience creating and managing virtual machines, app services, and networks through guided Azure demos and AWS. • Secure Your Cloud Journey: Learners will be able to implement robust security practices like identity & access management, cost optimization strategies, and governance & compliance best practices in Amazon S3. • Manage Resources Efficiently: Learners will be able to automate tasks and manage resources effectively using Azure management tools and Power Shell scripting. • Optimize Cloud Performance: Learners will be able to proactively monitor your cloud environment with AWS / Azure Monitor and other tools to identify and troubleshoot issues. • Secure User Access: Learners will be able to manage users and groups in Microsoft Entra, implementing role-based access control for secure and efficient access management. 	<p>Venue: PMI Duration: 5 days Dates: 08–12 April 2024</p>	
Course Coverage	Target Audience	
<p>Major topics that will be covered during the course</p> <ul style="list-style-type: none"> • Types of cloud computing techniques, and how it works. • Server-less computing. • Clouds Clients. • Cloud Engineering. • Security and Privacy. • Operation & Maintenance practices & Forecasting 	<p>E2-E8 working in O&M, Engineering, OS, etc. of NTPC, SEBs, and other utilities</p>	
	<p>Learning Methods</p>	
	<p>Lecture and Discussion</p>	
	<p>Course Director</p>	
	<p>Dr. Ananda Srinivas Vaka DGM & Sr. Faculty (PMI) M/No-9650992071 vasrinivas@ntpc.co.in</p>	
<p>Whether open to external paid participants</p>	<p>Yes</p>	
<p>Whether open to CRM participants</p>	<p>No</p>	
<p>Residential /Non-Residential</p>	<p>Residential</p>	



SAMARTH C&M TRAINING MODULE

Objectives

Samarth modules are specially curated and are mandatory for Executives posted to specific departments from other departments / functions to enable them to discharge their responsibilities more effectively and efficiently. Samarth C&M training is designed to help employees understand the various aspects of C&M department.

Participant Benefits	Venue, Duration and Dates
After attending this Programme, the participant will be able to: <ul style="list-style-type: none"> • Understand the basic process of procurement • Understand the GCC, ITB and other relevant documents specific to C&M. • Understand the deviations and tendering process of C&M 	Venue: PMI Noida Duration: 6days Dates: 15-20 April 2024 05-10 August 2024 16-21 December 2024
Course Coverage	Target Audience
Major topics that will be covered during the course: <ul style="list-style-type: none"> • Contract Packaging • Tendering • Post Award Activities • Deviations • Pre- Award activities • New practices in C&M 	Executives under job rotation (joined C&M department from Non-C&M background)
	Learning Methods
	Lecture, Discussion, Case-Study etc.
	Course Director
	Vasudha Sharma Manager (PMI) vasudhasharma@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential, subject to availability of rooms at PMI



Objectives

Advanced Management Programme (AMP) is a 2-week intensive programme that focuses on strategic leadership besides bringing learning about latest cross-functional skills. The programme aims to prepare the participants for senior roles in the organisation.

Participant Benefits	Venue, Duration and Dates
At the end of the programme, the participants shall be able to- <ul style="list-style-type: none"> ● Build business leadership capabilities to prepare the participants for the future leadership position. ● Understand the unfolding economic environment and challenges before the power sector. ● Help the participants to develop skill for diagnosing performance and evolving performance enhancement measures, ● Help participants to learn strategies to align themselves with corporate vision and building change catalysts and effective teams for organization effectiveness. ● 	Venue: PMI, Noida Duration: 10 Days Dates: 15-27 April 2024 13-24 May 2024 15-26 July 2024 19-30 August 2024 16-27 September 2024
Course Coverage	Target Audience
<ul style="list-style-type: none"> ● Emerging New Economy: Trends and Challenges. ● Business Ethics & Corporate Governance ● Business decision making ● Leadership and Interpersonal effectiveness ● Financial performance ● Emotional Intelligence ● Aligning HR with Corporate Business Strategy ● Building Performance Excellence: Balanced Score Card ● Managing transformation: A journey towards self-renewal Focus on Communication & Subordinate Development. 	Executives at the level of E8 from NTPC who have not attended this programme earlier.
	Learning Methods
	Lecture, Discussion, Case studies etc.
	Course Director
	S K Majumdar, GM & Sr. Faculty Member (PMI) Mob: 9650994625 skmajumdar03@ntpc.co.in

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Non-Residential



Objectives

Environmental, Social, and Governance (ESG) refer to the three central factors in measuring the sustainability and societal impact of an investment in a company or business. These criteria help to better determine the future financial performance of companies (return and risk).

Sustainability and ESG are the initiatives that have become imperative in business with the threat of climate change and climate risk. The main difference between these two frameworks for business is ESG is a measured assessment of sustainability using benchmarks and metrics.

The certification program is being planned to bring together all the stakeholders to raise the awareness towards ESG with the resources available, environmental issues and its management on key variables.

<p>Participant Benefits</p> <p>“ESG”: Environmental, social and governance (ESG) is a framework used to assess an organization's business practices and performance on various sustainability and ethical issues. It also provides a way to measure business risks and opportunities in those areas.</p> <p>The program covers the ESG with Sustainability, Social and Governance Factors, Sustainability Reporting Frameworks and Standards, Understanding ESG performance, Rating Agencies, Improving ESG ratings and Role of stakeholder management.</p>	<p>Duration and Venue</p> <p>Venue: PMI, Noida Duration: 03 Days Dates: 15-17 April 2024 23-26 September 2024</p>
<p>Course Coverage</p> <ul style="list-style-type: none"> • ESG basics-various frame works factors, Materiality, ESG vs Sustainability • SG Risk & Opportunities / Stake holder Needs and Consultation requirements • BRSR Reporting Vs GRI – Overview • Sustainable Procurements - ISO 20400:2017, Understanding the fundamentals, Integrating Sustainability • Carbon offset projects- Various mechanisms • BRSR Reporting Vs NTPC Annual report 2022-2023 page 263 to 302/Annexure IX 	<p>Target Audience</p> <p>Senior NTPC Executives</p> <p>Learning Methods</p> <p>The physical program will be conducted in three days and shall be delivered through learned expert faculty from TÜV SÜD (a German Venture) at PMI.</p> <p>Course Director</p> <p>Dr. Anoop Kumar DGM & Sr. Faculty Member (PMI) Mob: 9650996086 Email: anoopkumar@ntpc.co.in</p>
<p>Whether open to external paid participants</p>	<p>No</p>
<p>Whether open to CRM participants</p>	<p>No</p>
<p>Residential/Non-Residential</p>	<p>Residential, subject to availability of rooms at PMI</p>

PMI Calendar – 2024-25



SAFE ISOLATION AND NORMALIZATION PROCEDURES THROUGH VIRTUAL REALITY

Objectives

Safety of man and machine is the prime concern in the industries. Though there are a lot of guidelines and SOPs available for the same, there are not many practical demonstrations of safe procedures. This program aims to provide practical exposure to various safety procedures and the isolation of machines before starting the work through the Virtual Reality and Augmented Reality platform.

Participant Benefits	Venue, Duration, and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Understand the interior components of systems • Understand various safety procedures step by step • Understand the isolation procedures of important machines. 	Venue: PMI Duration: 2 days Dates: 15-16 April 2024 (*ASV) 03-04 June 2024 (*SKV) 05-06 August 2024 (*SKV) 10-11 September 2024 (*ASV) 07-08 October 2024 12-13 November 2024 02-03 December 2024 03-04 February 2025
Course Coverage	Target Audience
Major topics that will be covered during the course <ul style="list-style-type: none"> <input type="checkbox"/> Basics understanding of AR/VR <input type="checkbox"/> Basics of Safety procedures <input type="checkbox"/> interior components of various critical systems <input type="checkbox"/> Isolation of critical machines/enclosed spaces. 	E2-E8 working in O&M, Engineering, OS, etc. of NTPC, SEBs, and other utilities
	Learning Methods
	Lecture and Discussion
	Course Director
	Dr. Ananda Srinivas DGM (PMI) vasrinivas@ntpc.co.in S K Vishwakarma Sr. Manager PMI skvishwakarma@ntpc.co.in
Whether open to external paid participants	Yes
Whether open to CRM participants	Yes
Residential /Non-Residential	Residential subject to availability of rooms at PMI



SAMARTH MODULE FOR QUALITY AND INSPECTION

Objective

Quality Assurance and Inspection (QA &I) is one of the key functions of NTPC for plants under O&M phase and for projects under construction. In view of the ambitious capacity addition plan of the company, role of QA & I in “customer-supplier” grid becomes more critical. This program will help in providing basic understating of QA & I role functions, systems and procedures to executives from various interacting/interfaces departments with NTPC.

Participant Benefits	Venue, Duration and Dates
After attending this programme, the participant will be able to know <ul style="list-style-type: none"> ● QA&I set-up and development of QA&I in NTPC. ● Roles and functions of Corporate Quality Assurance, Field Quality Assurance and Regional Inspection Offices. ● QA&I systems and procedures. ● QA&I involvement and role in site Purchase Orders. ● QA&I Tools: Standardisation, Best Practices etc. 	Venue: Physical Mode Duration: 3 Days Dates: 17-19 April, 2024
Course Coverage	Target Audience
Major topics that will be covered during the course: <ul style="list-style-type: none"> ● CQA and It's Processes, MQP, RQP, SQP, FQP ● FQA Functions and It's Modalities, FQA Manual, ● Inspection and it's Processes, Remote Inspection, Inspection Portal ● Sub-Vendor Approval Processes ● Welding Procedure Specification, Procedure Qualification & Welder Qualification Tests ● Familiarisation with SG & TG System in Super Critical, Ultra Supercritical Projects & Case studies 	Executives in the middle management levels from Engineering O & M Maintenance Planning, Field Quality Assurance, Materials, Erection and new entrants in corporate Quality Assurance, Field Quality Assurance, Materials, Erection and new entrants in Corporate Quality Assurance, Field quality Assurance and Regional Inspection Offices
	Learning Methods
	Lecture, Discussion, Case etc.
	Course Director
	Anoop Kumar DGM & Sr. Faculty Member (PMI) Mob: 9650996086 anoopkumar@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential, subject to availability of rooms at PMI



CERTIFICATION PROGRAM IN UT LEVEL-II

Objectives

Welding technology is having significant importance in construction, erection and preventive maintenance phases of a thermal power plant. A power plant will run unhindered, without any forced outages, if concepts and application of welding technology and non-destructive testing are well understood and accordingly adequate measures are taken to control welding of tube joints, pipe joints, joints in structures etc and ultimately in the process of that achieve the best quality of the weld joint. The purpose of this programme is to disseminate knowledge on welding technology and non-destructive testing applicable in thermal power plants. The technological advancement in the field of welding and NDT will also be discussed.

Participant Benefits	Venue, Duration and Dates	
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Describe various Welding Processes and equipment. • Describe Welding Metallurgy / Interpret various codes and standards. • Prepare Welding Procedure Specifications / Qualify welder and Welding Procedure • Describe various NDT methods 	Venue: PMI Duration: 2 weeks Dates: 22 April- 07 May 2024 15 July-30 July 2024	
Course Coverage	Target Audience	
(WELDING TECHNOLOGY) Welding, Weld, Joints, Type of Joints and Welds, Weld Terminology, Symbols for welding, Welding positions etc. Welding Processes – SMAW, GTAW, GMAW, SAW, etc Welding Equipment - Arc Welding Power Sources Welding Electrodes – Classifications & Codification Materials involved in welding in power plants Carbon steel and Alloy steel welding Dissimilar metal welding / Welding Metallurgy Residual Stress & Distortion Control Pre – heating, Post heating and PWHT practices, Familiarization with applicable Codes & Standards Welding Procedure Specification Weld Quality – Welding Defects, their significance and repair procedures Latest developments – processes in welding NON – DESTRUCTIVE TESTING Inspection methodology Brief introduction and practical demonstration of Radiographic Testing (film review and interpretation of defects) Ultrasonic Testing / Magnetic Particle Testing / Dye Penetrate Testing Eddy Current Testing / Latest developments in NDT	Executives with basic knowledge of welding and NDT from power stations of NTPC.	
	Learning Methods	Lectures, Case Studies and Practical Demonstration
	Course Director	Anoop Kumar DGM & Sr. Faculty Member (PMI) Mob: 9650996086 anoopkumar@ntpc.co.in
	Whether open to external paid participants	No
Whether open to CRM participants	No	
Residential /Non-Residential	Residential, subject to availability of rooms at PMI	

PMI Calendar – 2024-25

ENHANCING MANAGERIAL COMPETENCE (EMC)



Objectives

As managers move up the ladder, it is expected that there is expansion in their vision and role—they move from being a manager and team player to a **Team leader's role**. Thus, program aims to help managers transform into Leaders as they become Dy. General Managers.

Imbibing **People Management** skills in the participants to enable them are transitioning from being functional experts to become effective **team leader**. *I.e., from Solo player to Orchestra leader.*

Participant Profile	Venue, Duration and Date
<p>After attending this programme, the participant will be able to</p> <ul style="list-style-type: none"> • Communicate their ideas clearly and emphatically, to use the right skills for influencing. • Understand the larger commercial perspective as well as handle their dept in more cost-effective manner. • Leverage their behavioral & leadership skills for effective team management • Develop better understanding of their emotions & use them positively for work & life mgt. • See the impact of learning of presentation skills, teamwork. 	<p>Venue: Physical Mode Duration: 12 Days (each) Dates: 29 April-10 May, 2024 27 May-07 June, 2024 01-12 July, 2024 02-13 September, 2024 04-15 November, 2024 09-20 December, 2024 13-24 January, 2025 10-21 February, 2025 03-14 March, 2025</p>
Course Coverage	Target Audience
<p>Major topics that will be covered during the course:</p> <ul style="list-style-type: none"> • Communication & Presentation Skills <ul style="list-style-type: none"> ◦ Presentation & public speaking skills ◦ Assertiveness ◦ FIRO-B, Listening & questioning skill • Finance Module <ul style="list-style-type: none"> ◦ Analysis of financial statements ◦ Cost management strategies • Leadership and Team Building <ul style="list-style-type: none"> ◦ Understanding leadership role ◦ Team building and building a culture of commitment ◦ Managing collaboration, Visioning, delegation ◦ Meeting skills • Emotional Intelligence • Project Work <ul style="list-style-type: none"> ◦ Analyzing, planning and presenting 	Mandatory planned intervention for E7 (DGMs)
	Learning Methods
	Lecture, Discussion, Case-study & Project submission etc.
	Course Director
	<p>Anoop Kumar DGM & Sr. Faculty Member (PMI) Mob: 9650996086 anoopkumar@ntpc.co.in</p>

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential subject to availability of rooms at PMI



Objectives

The success of an organization, the penetration of its products and services in the market, efficient internal procedures, and a healthy economic status depend essentially on how OH&S requirements are consistently ensured, maintained, and improved. Effective audits assist an organization to improve its OH&S management system in this spirit. The caliber of an auditor is crucial to the performance of companies and ultimately to the success of the management system. This comprehensive course provides hands-on training to ensure that the auditor thoroughly understands the role and acquires the expertise needed or required to perform the audit effectively.

Participant Benefits	Venue, Duration, and Dates	
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • To understand the roles and responsibilities of an auditor • To plan, conduct, and report the audit • To understand the audit requirements of ISO 27001:2022 standard. • To understand the principles and practice of auditing. • Learning through case studies & exercises 	Venue: PMI Duration: 05 days Dates: 29 April to 03 May 2024	
Course Coverage	Target Audience	
Major topics that will be covered during the course <ul style="list-style-type: none"> • Introduction and Certification Industry and Process • ISMS Concepts and Benefits • ISO/IEC27001:2022 Requirements# Part 1#Clause 1 to 5 • Risk Assessment and Risk Treatment • ISO/IEC27001:2022 Requirements# Part2# Clause 6to10 • ISMS Controls and Controls Objectives • Legal laws, Incident Management, and BCP • Audit Concepts and Principles • Audit Preparation and Planning, Audit Execution • Audit Findings, Audit Reporting and Follow-up 	Executives up to E7	
	Learning Methods	Lecture and Discussion
	Course Director	
	S K Vishwakarma Sr.Manager (PMI) M/No- 9648474186 skvishwakarma@ntpc.co.in	

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Residential



LEADERSHIP DEVELOPMENT PROGRAM (APEX PROGRAM)

Objectives

The Core Module of the Apex program includes the breath-based and mind-based techniques, which are practical, simple yet powerful take-away creating a difference to the effectiveness of an individual when practiced consistently. These techniques, that include Sudarshan Kriya®, pranayamas, yogic stretches and meditation etc. The program is designed to aid the formation of inspirational leaders, empowered managers & enthusiastic and aware bottom of the pyramid employees.

Participant Benefits	Venue, Duration and Dates	
<p>At the end of the program, the broad categories of take-away for the group would be –</p> <ol style="list-style-type: none"> 1) Simple breathing techniques that help energize, relax and rejuvenate the mind. They can practice this on a daily basis on their own by investing just 20 minutes. 2) Easy desktop yoga stretches that helps release stress and relax the body and calm the mind 3) Rich ancient wisdom that is applicable at work and in their personal lives 4) Learning from their own experiences via difference exercises, activities, and processes sharing with the team and through introspection. 	<p>Venue: PMI, Noida Duration: 03 Days Dates: 08-10 May 2024</p>	
Course Coverage	Target Audience	
<ul style="list-style-type: none"> • Different Paradigms of Leadership • Overcoming Challenges: You-Power Situation • Ethics in Decision Making • Risk-Taking, Creativity and Innovation • Catch-22s & Team Dynamics • Trust & Conflict Resolution • Levels of Existence • Perception-Observation-Expression • Motivation v/s Inspiration • Communication styles • Optimizing energy sources for higher performance • Power-Influence Graph • Sustained Energy Levels • Managing Stress • Interpersonal Relationship • Personal and professional skills • Demand-Capability-Performance Loop • Team working • Being in the Present • Quality of Listening & Communication • Sources of Energy etc. 	<p>Executive up to E8 level from NTPC and above (maximum 25 participants)</p>	
	Learning Methods	<p>Lecture, Discussion, etc.</p>
	Course Director	<p>S K Majumdar, GM & Sr. Faculty Member (PMI) Mob: 9650994625 skmajumdar03@ntpc.co.in</p>

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Residential

PMI Calendar – 2024-25



IOSH MANAGING SAFETY CERTIFICATE PROGRAM

Objectives: Safety is the prime concern for any power utility, right from design to construction and O&M stage. Every power professional needs to understand and implement safe work practices. This programme aims to provide insight into various dimensions of safety management along with experience sharing and some safety related cases.

<p>Participant Benefits</p> <p>At the end of the programme, the participants shall be able to-</p> <ul style="list-style-type: none"> • Safety Management in NTPC • Effect of Environment on Health and Safety • Fire safety • Chemical safety • Occupational Health & First Aid 	<p>Venue, Duration and Dates</p> <p>Venue: Online Duration: 03 Days Dates: 09-11 May 2024 13-15 May 2024 17-19 July 2024 22-24 July 2024</p>
<p>Course Coverage</p> <ul style="list-style-type: none"> • Electrical Safety, E&M Rules • PTW System and LMIs • Statutory Requirements • Lifting Tools and Tackles • Case study 	<p>Target Audience</p> <p>Executive up to E7 level from NTPC and middle level executives from power utilities, working in O&M, Engineering, erection, safety etc.</p> <p>Learning Methods</p> <p>Lecture, Discussion, etc.</p> <p>Course Director</p> <p>S K Majumdar, GM & Sr. Faculty Member (PMI) Mob: 9650994625 skmajumdar03@ntpc.co.in</p> <p>Anoop Kumar, DGM & Sr. Faculty Member (PMI) Mob: 9650996086 anoopkumar@ntpc.co.in</p>

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Non-Residential



Objectives

This program is intended to familiarize them with all the important aspects of paint systems, to recognize and identify the benefits/disadvantages of paint Systems, to understand the importance of surface preparation and to understand methods of application and testing.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: „ To understand the importance of surface preparation „ To understand methods of application and testing „ To understand paint system inspections „ To interpret requirements of standards „ To meet the syllabus requirements for the BGAS-CSWIP Painting Inspector Examination.	Venue: PMI Duration: Four-day training course with examination on day 5, or for less experienced candidates there is the opportunity to take the examination the following week Dates: 13-17 May 2024
Course Coverage	Target Audience
Major topics that will be covered during the course are: <ul style="list-style-type: none"> • Corrosion theory; surface preparation; surface contaminants and tests. • paint constituents and technology; solutions and dispersions. • drying and curing properties and performance; specified painting conditions. • cathodic protection; holiday/pinhole detection; paint-application methods. • paint/paint film testing; paint identification; metal coatings. • paint faults; colour; inspection methods; specification requirements. • health and safety and working practices. 	Executives from Field quality Assurance and Regional Inspection Offices. Learning Methods Lecture and Discussion Course Director Anoop Kumar, DGM & Sr. Faculty Member (PMI) Mob: 9650996086 anoopkumar@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential/Non-Residential	Residential



Objectives

Because of the growth of renewable energy, the importance of energy storage technologies has increased to create a more flexible and reliable grid system. This program aims to provide an overall understanding of various energy storage technologies.

Participant Benefits	Venue, Duration, and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> Understand various bulk energy storage methods. 	Venue: PMI Duration: 2 days Dates: 14-15 May 2024
Course Coverage	Target Audience
Major topics that will be covered during the course <ul style="list-style-type: none"> Various bulk energy storage methods. Details of hydro, compressed air, and battery systems. 	E2-E8 working in O&M, Engineering, OS, etc. of NTPC, SEBs, and other utilities
	Learning Methods
	Lecture and Discussion
	Course Director
	Dr. Ananda Srinivas Vaka DGM & Sr. Faculty (PMI) 9650992071 vasrinivas@ntpc.co.in

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Residential subject to availability of rooms at PMI



Objectives

This course is well known for providing an excellent knowledge on the fundamentals of health and safety, as well as a solid foundation for assessing and managing potential hazards and risks in the workplace. The program integrates international and technical standards to enable employees to manage complex workplace Health & Safety aspects effectively and efficiently with their expertise and knowledge. The International General Certificate is now commonly seen as an extremely useful qualification for managers, supervisors and those who need to have a sound understanding of their health and safety responsibilities and who wish to implement sustainable health and safety improvements.

Participant Benefits	Venue, Duration and Dates
At the end of the programme, the participants shall be able to- <ul style="list-style-type: none"> • Understand importance of health and safety and know how to apply knowledge and skills to workplace safety. • Develop skills and knowledge to promote safe behaviour and Positive Safety Culture. • Develop competitive H&S workplace standards and Review Risk Assessments, Procedures and other H&S arrangements. • Interpret and understand International H&S codes and practices. • Foresee & Evaluate workplace risk, effectively control hazards, reduce incidents and illness. • Learn and develop H&S leadership and management skills. • Independently assess workplace, activities and develop work methods etc. • Carry-out duties of H&S representative effectively and efficiently. 	Venue: Online Duration: 03 Months Dates: 13 May-30 June 2024 (Batch-1) 14 May-01 July 2024 (Batch-2) 13 May -30 June 2024 (Batch-3)
Course Coverage	Target Audience
<ul style="list-style-type: none"> • The importance of and key elements of health and safety management systems • Principles and practice of risk assessment • The identification of workplace hazards such as those associated with general workplace issues, fire, electricity etc. • Methods for controlling identified workplace hazards. • As well as covering a range of work-place hazards and methods of control, it includes international standards for safety and health. • Management including International Labour Organisation codes of practice. 	Nominations will be given by CC-Safety departments. Learning Methods Lecture, Discussion, etc. Course Director S K Majumdar, GM & Sr. Faculty Member (PMI) Mob: 9650994625 skmajumdar03@ntpc.co.in

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Non-Residential



SAMARTH (ELECTRICAL)

Objectives

SAMARTH Electrical training programme is designed for all job-rotation people from other departments to Electrical Maintenance department. The programme is aimed to provide working skills and technical knowledge related to work area of Electrical to the manpower. The programme also provides training of SAP modules related to maintenance function and also focuses on various features of PRADIP.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Understand various work areas of Electrical System in a station • Understand Operation of various electrical systems and related preventive maintenance practices • Take necessary and swift action in case of any break-down • Follow the process for JSA & HIRA • Build interfacing skill with other maintenance departments & operation • Improve compliance of company systems and policies like permit system • Enhance the speed and quality of delivery to internal customers 	Venue: online Duration: 14 days Dates: 06-18 May 2024
Course Coverage	Target Audience
Major topics that will be covered during the course <ul style="list-style-type: none"> • HT Switchgear system of main plant and other offsite areas • LT Switchgear system of main plant and other offsite areas • DG set O&M • Numerical relays • Generator • HT/LT motors • Protection System • Transformers • ESP Operation • DC Battery & Charger system • SAP codes related to maintenance function • Capital budget, spare maintenance • Safety modules 	As per the list of executives who have undergone Job Rotation
	Learning Methods
	Lecture and case discussions by experts / consultants.
	Course Director
	Rahul Gupta Sr. Manager (PMI) rahulgupta01@ntpc.co.in

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Online



SAMARTH (C&I)

Objectives

SAMARTH C&I training programme is designed for all job-rotation people from other departments to C&I Maintenance department. The programme is aimed to provide working skills and technical knowledge related to work area of C&I to the manpower. The programme also provides training of SAP modules related to maintenance function and also focuses on various features of PRADIP.

Participant Benefits	Venue, Duration and Dates	
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Understand various work areas of C&I Maintenance • Understand Operation of various C&I systems and related preventive maintenance practices • Take necessary and swift action in case of any break-down • Follow the process for JSA & HIRA • Build interfacing skill with other maintenance departments & operation • Improve compliance of company systems and policies like permit system • Enhance the speed and quality of delivery to internal customers 	Venue: online Duration: 14 days Dates: 27 May- 13 June 2024	
Course Coverage	Target Audience	
Major topics that will be covered during the course <ul style="list-style-type: none"> • MaxDNA • Transmitters, Switches etc • Electrostatic Sensitive Devices • Logics • Automatic Control System • Final Control Elements • Boiler Integral control & Protection • Process Measurement & Analysers (CEMS, AAQMS, EQMS) 	As per the list of executives who have undergone Job Rotation	
	Learning Methods	Lecture and case discussions by experts / consultants.
	Course Director	
	Rahul Gupta Sr. Manager (PMI) rahulgupta01@ntpc.co.in	

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Online



Objectives

The Apprentices Act, 1961 was enacted with the objectives to fully utilize the facilities available in industries for imparting practical training and thus developing skilled manpower for industries. This workshop explains how to comply with the provisions with the Act and ensure timely engagement of apprentices in NTPC projects.

Participant Benefits	Venue, Duration and Dates
After attending this programme, the participant will be able to <ul style="list-style-type: none"> • Understand the significance and features of the Apprentice Act 2013 • Learn how to go about with timely compliance. • Understand the portal and its usage • Get queries addressed 	Venue: Online Duration: 1 Day Dates: 10 June 2024
Coverage	Target Participants
Major topics that will be covered during the course: <ul style="list-style-type: none"> • Key features of the new rules on apprentice engagement • Apprenticeship Schemes • Steps to be done by Units/Projects/Offices in NATS portal for apprentice engagement Usage of the government portals	Apprentice Engagement coordinators from RLI/EDC/HR of each NTPC location
	Learning Methods
	Interactive session
	Course Director
	Dr Priti Sambhalwal Manager (HR-PMI) pritisambhalwal@ntpc.co.in
Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	On line

PMI Calendar – 2024-25

COMPETENCY DEVELOPMENT BASED ON CPV ASSESSMENT



Objectives

This program aims at helping the concerned selected executives improve the identified managerial competencies which have come out as areas of development for them in the Competency, Potential and Value (CPV) assessment undertaken through external expert agency.

Participant Benefits	Venue, Duration and Dates
<p>After attending this program, the participants will be able to:</p> <ul style="list-style-type: none"> ● Understand the requirements, descriptors of particular identified potential /managerial competencies such as Leadership, Resource Management and Admin Ability, Creativity & Innovation for their level / grade, which require to be developed. ● Get an insight on how they can consciously work towards improving the identified competencies which have come out as areas of development for them. 	<p>Venue: Online / PMI</p> <p>Duration: 2 days</p> <p>Dates: 27-28 May 2024 30-31 May 2024 03-04 June 2024 06-07 June 2024 10-11 June 2024 13-14 June 2024 17-18 June 2024 20-21 June 2024 24-25 June 2024 27-28 June 2024 01-02 July 2024 04-05 July 2024 08-09 July 2024 11-12 July 2024 15-16 July 2024 18-19 July 2024 22-23 July 2023</p>
	<p>Target Audience</p> <p>Selected executives in respect of whom the identified potential competencies have come out as areas of development in the CPV assessment.</p> <p>By invite</p>
Course Coverage	Learning Methods
<p>Major Competencies that will be covered during the course.</p> <ul style="list-style-type: none"> ● Potential/Managerial competencies which have come out as areas of development in CPV assessment for the select group of executives. For the year 2024-25 the 	<p>Lecture, Discussion, Exercises.</p>
	<p>Course Director</p>

PMI Calendar – 2024-25



following competencies have been identified for up to E5 Grade Resource Management and Admin Ability Creativity and Innovation Potential Competencies Identified for the participants. a) Leadership for Sr Managers & DGMs b) Resource Management and Admin Ability for Managers, Sr Managers & DGMs	Dr N Surethiran DGM(HR) 9480842421 surethirannarayananasamy@ntpc.co.in
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Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Non-Residential



Objectives

Participants to understand concepts of Excellence. Understanding NTPC Business Excellence Model. Understanding different tools of assessment process. The course will make participants understand the role of assessors in assessment and all Dos and Don'ts of assessment process. The Participants will understand identifying Opportunities for improvement and key strengths. The course will enable participants to write an executive summary and feedback report.

<p>Participant Benefits</p> <p>At the end of the program, the participants shall be able to:</p> <ul style="list-style-type: none"> • Concepts of Excellence • NTPC BE Model • Radar assessment Tool • Rasmaalai assessment tool • Role of assessors • Dos and Don'ts of assessment process • Identifying Key strengths and OFI • Writing executing summary and feedback report 	<p>Venue, Duration and Dates</p> <p>Duration: 3 Days Venue: PMI, Noida Dates: 25-28 June 2024 08-11 July 2024 30 July -02 Aug 2024</p>
<p>Course Coverage</p> <ul style="list-style-type: none"> • Concepts of excellence • NTPC business excellence model • Understanding BE assessment process • Understanding Radar tool • Understanding Rasmaalai tool • Role of Assessors • Exercise: Assessment for Enablers/Functions • Writing executive summary and feedback report 	<p>Target Audience</p> <p>E-7/E-8 Function: All Grade: Executives, nomination through CC-BE</p> <p>Learning Methods</p> <p>Classroom sessions, Case studies, Assessments</p> <p>Course Director</p> <p>S K Majumdar, GM & Sr. Faculty Member (PMI) Mob: 9650994625 skmajumdar03@ntpc.co.in</p>
<p>Whether open to external paid participants</p>	<p>Yes</p>
<p>Whether open to CRM participants</p>	<p>No</p>
<p>Residential /Non-Residential</p>	<p>Residential, subject to availability of rooms at PMI</p>



Objectives

Training Program on Finance Concurrence offers a comprehensive and interactive learning experience designed to equip participants with the knowledge and skills needed to effectively navigate financial decision-making processes. Through a combination of theoretical insights, practical case studies, and collaborative exercises, participants will gain a deep understanding of financial concurrence and its significance in organizational decision-making.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to gain: <ul style="list-style-type: none"> <input type="checkbox"/> Evaluation of investment opportunities and capital budgeting <input type="checkbox"/> Risk assessment and mitigation strategies <input type="checkbox"/> Role of financial concurrence in strategic decision-making <input type="checkbox"/> Case studies and group exercises: 	Venue: PMI Duration: 3 days Dates: 03-06 June 2024
Course Coverage	Target Audience
<ul style="list-style-type: none"> • Understanding Financial Concurrence • Techniques for financial modeling and forecasting • Decision-Making and Risk Management • Evaluation of investment opportunities and capital budgeting • Case studies and group exercises: Applying financial concurrence principles to real-world scenarios 	Finance & Project Executives
	Learning Methods
	Lecture, Discussion etc.
	Course Director
	Dr. Abhinav Jindal DGM and Senior Faculty-PMI

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential



Objectives

Training Program on Pump Storage and CEA Technical Program offers participants a comprehensive understanding of pump storage technology and its integration within the context of the Central Electricity Authority (CEA) technical framework. Through a combination of lectures, case studies, and practical demonstrations, participants will gain insights into the design, operation, and regulatory aspects of pump storage systems, as well as the guidelines set forth by the CEA for efficient energy generation and distribution.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to gain: <ul style="list-style-type: none"> □ Their knowledge and skills in implementing pump storage projects while ensuring compliance with regulatory standards and industry best practices. □ In the planning, development, operation, and regulation of pump storage projects. 	Venue: PMI Duration: 2 days Dates: 06 -07 June 2024
Course Coverage	Target Audience
<ul style="list-style-type: none"> • The training program will be conducted by experienced professionals and subject matter experts with expertise in pump storage technology, energy regulation, and CEA technical standards. • They will provide comprehensive instruction, practical insights, and guidance to facilitate participants' learning and understanding. 	O&M, Project Executives
	Learning Methods
	Lecture, Discussion etc.
Course Director	Dr. Abhinav Jindal Deputy General Manager & Senior Faculty, (NTPC-PMI)

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential



Objectives

This program is intended to familiarize them with all the important aspects of managing the issues arising from time to time.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • appreciate the Role and responsibilities of BUHs • fulfill the statutory responsibilities. • appreciate various statutory laws • appreciate CSR, DOP, contract closing, DRC, Land acquisition • appreciate Vigilance, RTI, safety and emerging technologies 	Venue: Online Duration:3weeks (Half days) Dates: 03 June- 29 June 2024
Course Coverage	Target Audience
Major topics that will be covered during the course <ul style="list-style-type: none"> • Laws/acts related to Factory Act, IBR, Environment, ID Act, CLRA Act • Boundary Management • CSR, DOP, contract closing, DRC, Land acquisition • External Stake-holder Management 	Head of O&M, Head of Project Construction etc.
	Learning Methods
	Lecture and Discussion
	Course Director
	Dr. Ananda Srinivas Vaka DGM & Sr. Faculty (PMI) M/No-9650992071 vasrinivas@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential/Non-Residential	NA



Objectives

This program is intended to cover technology aspects of various wind turbines, major subsystems, their sizing and maintenance activities.

Participant Benefits	Venue, Duration, and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Appreciate the policies • Estimate the potential of wind power generation • Appreciate forecasting of Wind Generation • Manage the grid stability. 	Venue: PMI Duration: 2 days Dates: 05 – 06 June 2024
Course Coverage	Target Audience
Major topics that will be covered during the course <ul style="list-style-type: none"> • Wind Energy policies and latest Government guidelines. • Basic theory of Wind Power Generation. • Initial site assessments & Environment and Social impact assessment & Geotechnical survey and field survey. • Capacity estimation and design simulation. • Financial models. • Operation & Maintenance practices & Forecasting. 	E2-E9 working in O&M, Engineering, OS, etc. of NTPC, SEBs, and other utilities
	Learning Methods
	Lecture and Discussion
	Course Director
	Dr. Ananda Srinivas DGM & Sr. Faculty (PMI) 9650992071 vasrinivas@ntpc.co.in

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Residential subject to availability of rooms at PMI



TRAINING SYSTEM IN SAP

Objectives

The objective of this training is to provide the knowledge related to training system and to understand the related SAP T-codes, so as to maintain the training data of respective project efficiently.

Participant Benefits	Venue, Duration and Dates
After attending this Programme, the participant will be able to: <ul style="list-style-type: none"> • Understand the basic training system • Manage time and resources in an efficient manner • Maintain the related data in SAP • Fetch the required data for training inputs 	Venue: Online Duration: 02 days Dates: 11-12 June, 2024
Course Coverage	Target Audience
Major topics that will be covered during the course: <ul style="list-style-type: none"> • SAP T-codes related to training • Data Maintenance for training area • Linkage of SAP and ESS related to training • Manage the training data of respective project efficiently 	Executives dealing with training roles
	Learning Methods
	Lecture, Discussion etc.
	Course Director
	Vasudha Sharma Manager (PMI) vasudhasharma@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential, subject to availability of rooms at PMI



NUCLEAR

Objectives

This program is intended to cover various new power generation methods, including distributed generation based on renewable energy such as solar, thermal, geothermal, and nuclear and associated technical challenges in their grid connectivity.

Participant Benefits	Venue, Duration, and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Appreciate the policies • Estimate the potential of Solar, thermal, Geothermal, and nuclear power generation • Technological advancements. 	Venue: Online Duration: 2 days Dates: 05-06 June 2024
Course Coverage	Target Audience
Major topics that will be covered during the course <ul style="list-style-type: none"> • Policies and latest Government guidelines • Basic theory of Solar Thermal Power Generation • Basic theory of Geo Thermal Power Generation • Basic theory of Nuclear Power Generation • Initial site assessments, Environment and Social impact assessment Geotechnical survey, and field survey • Capacity estimation and design simulation • Financial models • Operation & Maintenance practices. 	E2-E8 working in O&M, Engineering, OS, etc. of NTPC, SEBs, and other utilities
	Learning Methods
	Lecture and Discussion
	Course Director
	S K Vishwakarma Sr. Manager (PMI) M/No- 9648474186 skvishwakarma@ntpc.co.in

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Residential subject to availability of rooms at PMI



FOUNDATION COURSE

Objectives

The role of Managers creates numerous expectations and demands on the individual in terms of perspective, style, habits, and attitudes. Their role is crucial, as they are the link pin between middle management and worker. The program aims at enhancing managerial effectiveness by providing the required knowledge, skills and awareness of functions and desired attitudes.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> ● Interpret financial statements. ● Understand the generation cost and related regulations. ● Empowered to identify and solve problems and present solutions. ● Appreciate innovation and creativity in business solutions. ● Learn to build and lead teams. ● Practice core values in every stage of decision making. ● Understand the Corporate Plan and objectives. 	Venue: PMI Duration :10 days Dates: 10-22 June, 2024 09-21 September 2024 03-15 February 2025
	Target Audience
	Mandatory planned intervention for E5 (Managers)
Course Coverage	Learning Methods
Major topics that will be covered during the course <ul style="list-style-type: none"> ● Corporate Plan. ● Understanding financial statements. ● Problem solving and decision making. ● Communication and Presentation skills. ● Effectiveness through emotional competence. ● Managing self and others. ● Leadership and Team Building. ● Creativity and Innovation. ● Generation Regulations and Tariff norms. ● Core-Values 	Lecture, Discussion, Case-Studies
	Course Director
	Dr N Surenthiran DGM(HR) 9480842421 surenthirannarayananasamy@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential subject to availability of rooms at PMI



Objectives

The examination of welded joints coming in high pressure & high temperature pipelines as well as in Boiler (welded during construction or during overhauling) by Radiographic Testing is mandatory as per the ASME Section – IX, IBR & other governing standards and therefore it is essential for the engineer who is going to evaluate RT films of those welded joints to have desired qualification and certification for RT Films interpretation as per the governing standards. Physical training Is organised for the candidates who have already cleared online module.

After the training, an examination will be conducted on theory & practical as per requirements of ISO 9712. Qualifiers will be given RT Films Interpretation Level – II, ISO 9712 certificate, which is valid Worldwide in all industries.

Participant Benefits	Venue, Duration, and Dates	
After attending this program, the participants will be able to: <ul style="list-style-type: none"> ● Understand the concepts of Physics involved in Radiographic Testing (RT) ● Understand the Imaging Technique, about source, film, Sensitivity etc. ● Understand correct interpretation of weld defects revealed in imaging <ul style="list-style-type: none"> ● Get qualification Certificate from TWI-UK after qualifying in the examination. 	Venue: Online Duration: 06 days Dates: 10-15 June 2024 19-24 August 2024	
Course Coverage	Target Audience	
Major topics that will be covered during the course <ul style="list-style-type: none"> ● Theoretical Concepts of Radiographic Testing ● Complete coverage & understanding of all technical terms involved like sensitivity, density, contrast etc. involved in RT imaging ● Exposure to large number of Standard RT Films of welded joints of pipes & tubes with all types of defects for understanding and practice ● Extensive Practical on number of weld defect pieces. ● Phase Tests during training. 	FQA/CQA/selected participants	
	Learning Methods	Lecture and Discussion
	Course Director	
	<p align="center">Course Director</p> Anoop Kumar DGM & Sr. Faculty Member (PMI) Mob: 9650996086 anoopkumar@ntpc.co.in	

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Non-Residential



PI SYSTEM TOOLS

Objectives

PI System has already been implemented in all the NTPC stations. The PI system facilitates long-term online availability of process data using its unique storage & compression technology. The program aims to promote a basic understanding of the PI system & the PI tools such as PI Process Book and PI Datalink to make use of PI system data for analysis & MIS purposes.

Participant Benefits	Venue, Duration, and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • understand PI Connection Manager, Search Window and options, PI Tag Attributes, PI Tag management & Control, Role of PI TMC, PI Tools Overview (PI-Process book, Datalink, PI-Vision) • Set up for Network for PI, DCOM Configuration of OPC and Interface PC, IT Firewall settings, steps for connecting to a new System in PI, PI Process book for performance monitoring, OPC Server testing 	Venue: PMI Duration: 2 days Dates: 13-14 June 2024
Course Coverage	Target Audience
Major topics that will be covered during the course <ul style="list-style-type: none"> • PI to SAP data flow, PI-PE, PI-Web-API, PIOLEDB, PI SQL Commander for Bad Tags, PI Linked Server • PI Applications - PI-Alerts, PI-e-Shift Log, PI-THM, TLA/OLA, PI-AF, PI-AF Permissions, I-AF implementation in NTPC, PI-AF for RE stations, PI- AF for Water Dashboard, PI Troubleshooting • PI Server Installation Steps, Interface PC Setup on Windows 10 or later machines steps, PI Server backup along with AF DB restoration procedure, Interface PC Backup and restoration procedure. 	C&I and IT executives
	Learning Methods
	Lecture and Discussion
	Course Director
	Dr.Ananda Srinivas Vaka DGM & Sr. Faculty (PMI) 9650992071 vasrinivas@ntpc.co.in

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Residential



Objectives

The Certification Program on Carbon Trading and Market aims to provide a comprehensive understanding of carbon markets and trading mechanisms, equipping participants with practical skills for managing and trading carbon credits. It ensures familiarity with compliance standards and reporting requirements, preparing individuals and organizations for effective market participation.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Gain a thorough understanding of carbon markets, trading mechanisms, and regulatory frameworks. • Develop hands-on skills in trading carbon credits, including market analysis and risk management. • Enhance career prospects and professional credibility with a recognized certification. • Acquire detailed knowledge of compliance standards, carbon accounting, and reporting requirements. 	Venue: PMI Duration: 3 days Dates: 24 June-26 June 2024
Course Coverage	Target Audience
The Certification Program on Carbon Trading and Market includes the following coverage: <ul style="list-style-type: none"> • Introduction and Fundamentals History and evolution of carbon markets & Importance and impact of carbon trading • Compliance markets vs. voluntary markets • Carbon credits and carbon offsets & Greenhouse gas (GHG) accounting principles • Cap-and-trade systems, Carbon taxes, Offset mechanisms. Practical approaches to buying, selling, and managing carbon credits 	Engineers and executives
	Learning Methods
	Lecture, Discussion etc.
	Course Director
Dr. Abhinav Jindal Deputy General Manager & Senior Faculty, (NTPC-PMI)	

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential



Objectives

Electric vehicles (EVs) are becoming increasingly popular and the demand for EV charging stations is also increasing. This program aims to provide an overall understanding of various electric and hybrid vehicle technologies, EV traction batteries, and charging stations.

Participant Benefits	Venue, Duration, and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Understand the basics of electric vehicles. • Differentiate between BEV, HV, PEV, PHEV. • Appreciate the need for charging stations. • Differentiate various chargers. • Appreciate the concepts of G2V and V2G. 	Venue: PMI Duration: 2 days Dates: 19-20 June 2024
Course Coverage	Target Audience
Major topics that will be covered during the course <ul style="list-style-type: none"> • Basics of EVs, PEVs and PHEVs. • Range of various EVs. • AC and DC charging stations. • Smart application of EVs. 	E2-E8 working in O&M, Engineering, OS, etc. of NTPC, SEBs, and other utilities
	Learning Methods
	Lecture and Discussion
	Course Director
	Dr.Ananda Srinivas Vaka DGM & Sr. Faculty (PMI) 9650992071 vasrinivas@ntpc.co.in

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Residential subject to availability of rooms at PMI



YOGA DAY SPECIAL PROGRAM

Objectives:

The International Day of Yoga has been celebrated across the world annually on June 21 since 2015, following its inception in the United Nations General Assembly in 2014.

Participant Benefits	Venue, Duration and Dates
<ul style="list-style-type: none"> • Promoting physical well-being • Stress reduction • Enhancing focus and concentration • Promoting work-life balance • Creating a positive work environment • Providing a break from sedentary work 	Venue: Saraswati Auditorium lobby, PMI Duration: 01 Day Dates: 21.06.2024
Coverage	Target Participants
<ul style="list-style-type: none"> • Educating about holistic health practices, alongside yoga practice, providing educational sessions on nutrition, mindfulness, and other aspects of holistic health can empower employees to make healthier lifestyle choices both in and out of the workplace. 	NTPC executives in E2 to E8 level
	Learning Methods
	Yoga practices and techniques through demonstration and participation
	Course Director
	Dr Priti Sambhalwal Manager (HR-PMI) pritisambhalwal@ntpc.co.in
Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Non-Residential

PMI Calendar – 2024-25

LEADERSHIP DEVELOPMENT PROGRAM FOR WOMEN EXECUTIVES



Objectives

This program intends to empower working women to look beyond traditional work roles and move ahead towards dynamic leadership. It covers various facets of leadership like leadership vision, self-exploration, change management and appreciate how iconic women have become achievers through grit and determination.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> ● Explore one’s leadership potential. ● Understand Leadership communication. ● Understand change management. ● Understand how to be balancing work & life. 	Venue: PMI Duration :2 days Dates:24 th -25 th June 2024
	Target Audience
	Women Executives (E5-E7)
Course Coverage	Learning Methods
Major topics that will be covered during the course. <ul style="list-style-type: none"> ● Building one’s leadership potential through self-awareness, self-exploration. ● Learning the tools of effective communication ● Learning the importance of change management Learning techniques of bringing about positive change in personal and professional life. 	Presentation, Audio, Video and interaction
	Course Director
	Dr N Surenthiran DGM (PMI) surenthirannarayananasamy@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential



Objectives

Clean coal technologies (CCT) are a new generation of advanced coal utilization processes that are designed to enhance both the efficiency and the environmental acceptability of coal extraction, preparation, and use. This program aims to provide an overall understanding of various clean coal technologies.

<p>Participant Benefits</p> <p>After attending this program, the participants will be able to:</p> <ul style="list-style-type: none"> • Understand the environmental benefits of CCTs. • Understand the Fluidized Bed combustion (FBC). • Understand the Integrated Gasification Combined Cycle (IGCC). 	<p>Venue, Duration, and Dates</p> <p>Venue: Online Duration: 2 days Dates: 26– 27 June 2024</p>
<p>Course Coverage</p> <p>Major topics that will be covered during the course.</p> <ul style="list-style-type: none"> • Basic technologies of CCTs. • Coal washing. • Basics of Fluidized Bed combustion (FBC). • Basics of Integrated Gasification Combined Cycle (IGCC). 	<p>Target Audience</p> <p>E2-E8 working in O&M, Engineering, OS, etc. of NTPC, SEBs, and other utilities</p> <hr/> <p>Learning Methods</p> <p>Lecture and Discussion</p> <hr/> <p>Course Director</p> <p>S K Vishwakarma Sr. Manager (PMI) M/No- 9648474186 skvishwakarma@ntpc.co.in</p>

<p>Whether open to external paid participants</p>	<p>Yes</p>
<p>Whether open to CRM participants</p>	<p>No</p>
<p>Residential /Non-Residential</p>	<p>Residential subject to availability of rooms at PMI</p>



Objectives

Certification Program on Green Hydrogen & Chemicals is a comprehensive training initiative designed to equip participants with specialized knowledge and skills in green hydrogen production, applications, and chemical integration. Through a structured curriculum comprising lectures, workshops, case studies, and practical projects, participants will explore the technical, economic, and environmental dimensions of green hydrogen, as well as its pivotal role in fostering sustainable energy solutions and chemical manufacturing processes.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Gain the knowledge, skills, and experience needed to contribute to the advancement of sustainable energy solutions and the transition to a low-carbon economy. • Get the expert instruction, mentorship, and guidance throughout the program, ensuring participants' success. 	Venue: Online Duration: 7 weeks Online Dates: 10 July-26 Aug 2024
Course Coverage	Target Audience
<input type="checkbox"/> Introduction to Green Hydrogen <input type="checkbox"/> Green Hydrogen Technologies <input type="checkbox"/> Green Hydrogen Applications <input type="checkbox"/> Green Chemicals and Industrial Integration <input type="checkbox"/> Regulatory Framework and Policy Analysis <input type="checkbox"/> Market Dynamics and Investment Strategies <input type="checkbox"/> Final Project and Presentation	O&M& Project Executives
	Learning Methods
	Lecture, Discussion etc.
	Course Director
	Dr. Abhinav Jindal Deputy General Manager & Senior Faculty, (NTPC-PMI)

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Online



OBJECTIVES

Certification Program on Electricity Markets provides participants with a comprehensive understanding of the electricity market dynamics, trading mechanisms, and regulatory frameworks. Through interactive lectures, case studies, and practical exercises, participants will explore the structure of electricity markets, the role of key market participants, and the factors influencing electricity prices and trading strategies.

<p>Participant Benefits</p> <p>After attending this program, the participants will be able to:</p> <ul style="list-style-type: none"> • Know and interact with the experienced professionals and experts in energy markets, trading, regulation, and policy analysis. They provide expert instruction, practical insights, and personalized guidance to maximize participants' learning outcomes. • gain the knowledge and skills needed to navigate and excel in the dynamic and complex world of electricity trading and market operations 	<p>Venue, Duration and Dates</p> <p>Venue: PMI Duration: 3 days Dates: 01 July-03 July 2024</p>
<p>Course Coverage</p>	<p>Target Audience</p> <p>O&M & Project Executives</p> <hr/> <p>Learning Methods</p> <p>Lecture, Discussion etc.</p> <hr/> <p>Course Director</p> <p>Dr. Abhinav Jindal Deputy General Manager & Senior Faculty, (NTPC-PMI)</p>

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential



Objectives

IPMA Level D is the starting level Project Management certification. The program is aimed at preparing participants for IPMA certification examination. It covers 29 IPMA competency elements. The candidate shall have project management knowledge in all the competence elements. The title given after qualifying the certification examination is ‘Certified Project Management Associate’ (CPMA).

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> ● Understand the basics of Project Management ● Learn about effective and efficient management of time and resources in a project ● Analyse risk and opportunities involved in a new project ● Appear for the IPMA Level D certification examination, on qualifying which, he / she will become a Certified Project Management Associate (CPMA) 	Venue: Online Duration: 4 days Dates: 02-05 July 2024
Course Coverage	Target Audience
Major topics that will be covered during the course <ul style="list-style-type: none"> ● Network Exercises ● PERT, CPM ● Project Life Cycle ● PBS Product Breakdown Structure ● WBS Work Breakdown Structure ● CBS Cost Breakdown Structure ● RBS Resource Breakdown Structure ● Investment Appraisal ● Payback, Net Present Value NPV, Internal Rate of Return (IRR) concepts ● Earned Value Management System ● Earned Value Exercises ● Project Structures 	E2-E7 engineers working in O&M / Engineering / OS
	Learning Methods
	Lecture and Discussion
	Course Director
	Vasudha Sharma Manager (PMI) vasudhasharma@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Non-Residential



Objectives

The main objective of this training is to develop multi-disciplinary skill sets to enhance policy and decision-making and steer big projects.

Participant Benefits	Venue, Duration, and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Learn different techniques of data analytics. • Speed up the decision-making. • Learn Visualization techniques and statistical techniques. 	Venue: PMI Duration: 5 days Dates: 08-12 July 2024
Course Coverage	Target Audience
Major topics that will be covered during the course <ul style="list-style-type: none"> • Programming techniques • Practical & real-time case studies 	E2-E8 working in O&M, Engineering, OS, etc. of NTPC, SEBs, and other utilities Learning Methods Lecture and Discussion Course Director S K Vishwakarma Sr. Manager (PMI) M/No- 9648474186 skvishwakarma@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential



Objectives

This program is intended to cover technology aspects of various solar PV modules, especially rooftop systems, major subsystems of rooftop PV such as inverter, batteries, their sizing, and maintenance activities relating to grid-connected and off-grid PV systems.

Participant Benefits	Venue, Duration, and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Appreciate the policies and guidelines of Roof-Top SolarPV & floating solar PV • Estimate the capacity • Predict the Solar Generation • Manage the project execution 	Venue: Online Duration: 5 days Dates: 15-19 July, 2024
Course Coverage	Target Audience
Major topics that will be covered during the course <ul style="list-style-type: none"> • Solar policies and latest Government guidelines and the difference between ground-mounted vs. roof-mounted • Capacity estimation & design simulation • Financial models • PV rooftop systems: standalone and grid-connected • PV floating systems: grid-connected • Operation & Maintenance practices & Forecasting • Site visit of MW scale Floating Solar PV plant. 	E2-E8 working in O&M, Engineering, OS, etc. of NTPC, SEBs, and other utilities Learning Methods Lecture and Discussion Course Director Dr. Ananda Srinivas Vaka DGM & Sr. Faculty (PMI) M/No-9650992071 vasrinivas@ntpc.co.in

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Non-Residential



Objectives

Training Program on Advanced Power BI is designed to provide participants with comprehensive knowledge and advanced skills in using Microsoft Power BI for data analysis, visualization, and reporting. Through a combination of hands-on workshops, practical exercises, and interactive sessions, participants will learn advanced techniques to unlock the full potential of Power BI and leverage its capabilities for effective decision-making and insights generation.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to gain: <ul style="list-style-type: none"> • The skills and knowledge needed to take their data analysis and visualization capabilities to the next level, empowering them to drive informed decision-making and deliver impactful insights within their organizations. 	Venue: PMI Duration: 3 days Dates: 22 July-24 July 2024
Course Coverage	Target Audience
<ul style="list-style-type: none"> • Advanced Data Modeling and Transformation • Advanced Visualization Techniques • Advanced Analytics and Integration 	Finance & Project Executives
	Learning Methods
	Lecture, Discussion etc.
	Course Director
	Dr. Abhinav Jindal Deputy General Manager & Senior Faculty, (NTPC-PMI)

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential



Objectives

As UNESCO puts it across, gender sensitivity is required to increase awareness of gender issues, suggest guidelines for a gender-sensitive approach at workplace, and promote respect for the equally valid roles that men and women play in their families, their communities, their work and their nations.

The program aims at giving insights into ‘gender’, changing behaviour and instilling empathy into the views that we hold about each other. It also discusses POSH Act of 2013 in detail.

Participant Benefits	Venue, Duration and Dates	
<ul style="list-style-type: none"> • Understanding the framework of gender at workplace and reacted biases. • Ways to avoid Gender biased decisions, statements and remarks. • Demonstrate the appropriate gender-neutral traits and triggers. • Awareness on “The Sexual Harassment at Workplace (Prevention, Prohibition and Redressal) Act, 2013 • Identifying the ways to create a Conducive Workplace 	<p>Venue: Ganga Hall, PMI Duration : 02 Days Dates: 05 & 06 August, 2024</p>	
Coverage	Target Participants	
<ul style="list-style-type: none"> • Understanding concept of ‘gender’ • Gender stereotyping and biases • Gender at workplace • Evolution of ‘Vishakha guidelines’ • Features of “The Sexual Harassment at Workplace (Prevention, Prohibition and Redressal) Act, 2013 	NTPC executives in E2 to E8 level	
	Learning Methods	Highly interactive games, simulations, role-play, storytelling and discussions
	Course Director	Dr Priti Sambhalwal Manager (HR-PMI) pritisambhalwal@ntpc.co.in
Whether open to external paid participants	Yes	
Whether open to CRM participants	No	
Residential /Non-Residential	Residential	



Objectives

This programme is aimed to provide an overview of large size generators, latest excitation control systems, and various protections of generators. The programme shall be delivered through class room lecture sessions and discussions by experts from Academics, Industry and PMI.

Participant Benefits	Venue, Duration and Dates
<p>Participant Benefits: After this programme the participant will be able to</p> <ul style="list-style-type: none"> • Define the features of generator size ranging from 210 MW to 660/800 MW. • Understand the modelling of excitation systems • Describe various excitation system types and AVR/DVR • Differentiate Static and Brushless excitation systems • Understand power system stabilizer (PSS) • Understand various protections of high-capacity generators 	<p>Venue: PMI Duration : 05 Days Dates: 05 -09 August, 2024</p>
Coverage	Target Participants
<p>Major topics that will be covered during the course:</p> <ul style="list-style-type: none"> • Comparison of important features of generators: 210 MW to 660/800 MW • Impacts of faults on generator dynamics • Role of fast excitation systems • Mathematical modelling of excitation systems • Static and Brushless excitation systems • Abnormalities in generator and auxiliary systems • • Generator protection, including numerical techniques 	<p>Executives (E1-E6) working in Plant Operation, Maintenance, Engineering, OS etc. of NTPC, SEBs and other utilities.</p> <p>Prerequisite: Basic qualification in Electrical Engineering.</p>
	Learning Methods
	<p>Lecture, Discussion, Practical, Case-Study etc.</p>
	Course Director
	<p>Anoop Kumar DGM & Sr. Faculty Member (PMI) Mob: 9650996086 anoopkumar@ntpc.co.in</p>
Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Residential



INTERNET OF THINGS

Objectives

The Internet of Things (IoT) describes the network of physical objects— “things”—that are embedded with sensors, software, and other technologies to connect and exchange data with other devices and systems over the Internet. These devices range from ordinary household objects to sophisticated industrial tools. Over the past few years, IoT has become one of the most important technologies of the 21st century. Now that we can connect everyday objects—kitchen appliances, cars, thermostats, and power plant equipment to the internet via embedded devices, seamless communication is possible between people, processes, and things.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Appreciate applications of the Internet of Things. • Understand expectations from the Internet of Things in the Future. • Understand the correlation between IoT and Future Technologies. • Appreciate the impact of the Internet of Things • Understand the connection of the Internet of Things with Artificial Intelligence. • Know about the security of the Internet of Things • Gain knowledge of cybersecurity in the Internet of Things. 	Venue: PMI Duration: 3 days Dates: 06–08 August 2024
Course Coverage	Target Audience
Major topics that will be covered during the course <ul style="list-style-type: none"> • General overview of the impact of the Internet of Things across Industries and the major areas and sectors where the Internet of Things is being used. • The future of the Internet of Things in the years to come. • Information on the impact, and interdependencies of the Internet of Things with other Emerging technologies. • IoT, its application and challenges. • Relationship between IoT and AI. • Security systems that can be applied to IoT. • Kind of attacks that can happen on IoT devices and best practices. 	E2 to E8 Learning Methods Lecture and Discussion Course Director S K Vishwakarma Sr.Manager (PMI) skvishwakarma@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential



Objectives

Because of higher fuel prices and low demand for gas-based power generation, most of the combined cycle power plants remain idle for most of the time. This program aims to discuss various methods/techniques to preserve various components of combined cycle power plants.

Participant Benefits	Venue, Duration, and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Appreciate the importance of preservation • Understand the techniques for the preservation ofCCPP. 	Venue: Online Duration: 2-day Dates: 06-07 August 2024
Course Coverage	Target Audience
Major topics that will be covered during the course <ul style="list-style-type: none"> • The science behind preservation techniques • Tools to assess the healthiness of components 	E2-E8 working in O&M, Engineering,OS, etc. of NTPC, SEBs, and other utilities
	Learning Methods
	Lecture and Discussion
	Course Director
	Dr.Ananda Srinivas Vaka DGM & Sr. Faculty (PMI) 9650992071 vasrinivas@ntpc.co.in

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Online



Objectives

Certification Program in Carbon Capture and Utilization (CCU) provides participants with a comprehensive understanding of CCU technologies, applications, and their role in mitigating climate change. Through interactive lectures, case studies, and practical exercises, participants will explore the principles of carbon capture, utilization, and storage, as well as the economic, environmental, and regulatory aspects of CCU implementation.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> Gain the knowledge and skills needed to contribute to the development and deployment of CCU technologies, advancing efforts to combat climate change and achieve sustainability goals. 	Venue: PMI Duration: 3 days Dates: 19 August-21 August 2024
Course Coverage	Target Audience
<ul style="list-style-type: none"> Introduction to Carbon Capture and Utilization Carbon Capture and Utilization Techniques and Applications Economic Viability, Policy Frameworks, and Future Outlook Case studies: Successful CCU projects and pilot demonstrations Innovation and future developments in CCU technology and applications 	O&M & Project Executives
	Learning Methods
	Lecture, Discussion etc.
	Course Director
Dr. Abhinav Jindal Deputy General Manager & Senior Faculty, (NTPC-PMI)	

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential



WASTE TO ENERGY

Objectives

To combat our growing waste issue, waste-to-energy is the ultimate solution. Instead of using fossil fuels for power generation, we can generate power from waste thereby reducing the methane which has a very high greenhouse gas potential. This program aims to provide an overall understanding of various technologies of waste-to-energy.

Participant Benefits	Venue, Duration, and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Understand the basics of waste-to-energy • Various technologies of Thermal, Thermomechanical, thermo-chemical, and Biochemical • Issues of some waste-to-energy methods • Benefits of waste-to-energy. 	Venue: Online Duration: 2 days Dates: 21-22 August 2024
Course Coverage	Target Audience
Major topics that will be covered during the course <ul style="list-style-type: none"> • Understand the basics of waste-to-energy • Various technologies of Thermal, Thermomechanical, thermo-chemical and Biochemical • Issues of some waste-to-energy methods • Benefits of waste-to-energy. 	E2-E8 working in O&M, Engineering, OS, etc. of NTPC, SEBs, and other utilities Learning Methods Lecture and Discussion Course Director Dr. Ananda Srinivas Vaka DGM & Sr. Faculty (PMI) M/No-9650992071 vasrinivas@ntpc.co.in

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Non-Residential

PMI Calendar – 2024-25

HANDS-ON TRAINING PROGRAMME ON ABB MAKE NUMERICAL RELAYS



Electrical protection plays a critical role in isolation of any abnormal condition in power system and thus ensures availability of a power plant. For last few years, numerical relays have been adopted widely in NTPC Ltd. for electrical protection. Numerical relay not only isolates fault condition in the system but it also captures the vital data to diagnose the fault, reducing break-down time of any equipment. It also provides required real time data to system through SCADA.

ABB make numerical relays: REF615 & REM615 have been installed in HT/LT Switchgears of many stations of NTPC Ltd. This training is aimed to provide a three (03) days hands-on training on SEL make Numerical relays at PMI in association with SEL Bangalore.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Understand various functions of numerical relay • Understand various parameters of the SEL numerical relay • Integration within electrical protection system • Various protection functions: Short-circuit, Overcurrent, Earth fault, Overload etc. 	Venue: online Duration: 03 days Dates: 23-25 September 2024
Course Coverage	Target Audience
Major topics that will be covered during the course <ul style="list-style-type: none"> • Relay Settings • How to communicate with the relay using a laptop • Sequential Event analysis • Analysis of fault record 	E0-E8
	Learning Methods
	Lecture and case discussions by experts / consultants.
	Course Director
	Rahul Gupta Sr. Manager (PMI) rahulgupta01@ntpc.co.in

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Residential subject to availability of rooms at PMI



Objectives

Program on International Finance offers participants a comprehensive understanding of global financial markets, international investment strategies, and cross-border financial management. Through interactive lectures, case studies, and hands-on simulations, participants will explore key concepts, tools, and techniques in international finance, gaining insights into global economic trends, currency markets, and international capital flows.

<p>Participant Benefits</p> <p>After attending this program, the participants will be able to:</p> <ul style="list-style-type: none"> Gain the knowledge and skills needed to navigate the complexities of global financial markets, seize international investment opportunities, and optimize cross-border financial management strategies. 	<p>Venue, Duration and Dates</p> <p>Venue: Online Duration: 3 days Dates: 2 September to 4 September 2024</p>
<p>Course Coverage</p> <ul style="list-style-type: none"> Foundations of International Finance International Investment Strategies Cross-Border Financial Management Group project: Developing a cross-border financial management strategy Regulatory and legal considerations in international finance: Compliance, tax implications, and governance 	<p>Target Audience</p> <p>O&M & Project Executives</p> <p>Learning Methods</p> <p>Lecture, Discussion etc.</p> <p>Course Director</p> <p>Dr. Abhinav Jindal Deputy General Manager & Senior Faculty, (NTPC-PMI)</p>

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Online



TRAINING ON SCADA SYSTEM

SCADA (supervisory control and data acquisition) is a control system architecture comprising computers, networked data communications and graphical user interfaces for high-level supervision of equipment and processes. SCADA systems record and log all events for reporting process status and issues.

It is critical to have technical skills for working with SCADA. This training programme is aimed to impart hands-on experience on SCADA system to the participants.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Understand SCADA configuration • OPC communication • Networking • Communication with other softwares • Functionality of Field Devices 	Venue: PMI Duration :3 days Dates :2-4 September 2024
	Target Audience
	Executives up to E8
Course Coverage	Learning Methods
Major topics that will be covered during the course <ul style="list-style-type: none"> • SCADA Introduction • Industrial Networking • SCADA configuration • OPC Communication 	Class room sessions
	Course Director
	Rahul Gupta Sr. Manager (PMI) rahulgupta01@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential subject to availability of rooms at PMI



CYCLE PLANTS

Objectives

Various issues and challenges are encountered in maintaining the equipment of CCPP. Similarly, various issues and challenges are encountered in maintaining the efficiency of CCPP. This program aims to discuss various methods/techniques to resolve the issues and challenges of maintenance and efficiency of combined cycle power plants.

Participant Benefits	Venue, Duration, and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Appreciate the importance of maintenance of equipment of CCPP • Appreciate the importance of maintenance of efficiencies of equipment of CCPP 	Venue: Online Duration: 2 days Dates: 03-04 Sep 2024
Course Coverage	Target Audience
Major topics that will be covered during the course <ul style="list-style-type: none"> • Important criteria of project planning • Diagram of a causal relationship with reinforcing and balancing loop • Stock flow diagram showing the project's expenditure. 	E2-E8 working in O&M, Engineering, OS, etc. of NTPC, SEBs, and other utilities
	Learning Methods
	Lecture and Discussion
	Course Director
	Dr. Ananda Srinivas DGM & Sr. Faculty (PMI) 9650992071 vasrinivas@ntpc.co.in

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Non-Residential



ARTIFICIAL INTELLIGENCE

Objectives

Artificial intelligence (AI) makes it possible for machines to learn from experience, adjust to new inputs, and perform human-like tasks. Most AI examples you hear about today, from chess-playing computers to self-driving cars, and device failure measurements rely heavily on deep learning and natural language processing. Using these technologies, computers can be trained to accomplish specific tasks by processing large amounts of data and recognizing patterns in the data.

<p>Participant Benefits</p> <p>After attending this program, the participants will be able to:</p> <ul style="list-style-type: none"> • Learn the concepts of Artificial Intelligence (AI), Machine Learning (ML), and Deep Learning. • Understand the applications of Artificial Intelligence, expectations from Artificial Intelligence in the future, and the correlation between Artificial Intelligence and other emerging technologies. • Understand the elements of Machine Learning. 	<p>Venue, Duration and Dates</p> <p>Venue: PMI Duration: 3 days Dates: 10 –12 Sep 2024</p>
<p>Course Coverage</p> <p>Major topics that will be covered during the course</p> <ul style="list-style-type: none"> • Types of AI, and how it works. • ML and Deep learning. • General overview of the impact of AI across industries and the major areas and sectors where AI is being used. • The future of AI in the years to come. • Information on the impact, and interdependencies of AI with other emerging technologies. • The basic concepts of ML and Deep Learning. 	<p>Target Audience</p> <p>E2-E8 working in O&M, Engineering, OS, etc. of NTPC, SEBs, and other utilities</p> <p>Learning Methods</p> <p>Lecture and Discussion</p> <p>Course Director</p> <p>S K Vishwakarma Sr. Manager (PMI) M/No- 9648474186 skvishwakarma@ntpc.co.in</p>

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential



NEBOSH SAFETY LEADERSHIP

Objectives

This course well known for providing an excellent knowledge on the fundamentals of health and safety, as well as a solid foundation for assessing and managing potential hazards and risks in the workplace. The program integrates international and technical standards to enable employee manage complex workplace Health & Safety aspects effectively and efficiently with their expertise and knowledge. The International General Certificate is now commonly seen as an extremely useful qualification for managers, supervisors and those who need to have a sound understanding of their health and safety responsibilities and who wish to implement sustainable health and safety improvements.

Participant Benefits	Venue, Duration and Dates	
After this programme the participant will be able to: <ul style="list-style-type: none"> • Understand importance of health and safety and know how to apply knowledge and skills to workplace safety. • Develop skills and knowledge to promote safe behaviour and Positive Safety Culture. • Develop competitive H&S workplace standards and Review Risk Assessments, Procedures and other H&S arrangements. • Interpret and understand International H&S codes and practices. • Foresee & Evaluate workplace risk, effectively control hazards, reduce incidents and illness. • Learn and develop H&S leadership and management skills. • Independently assess workplace, activities and develop work methods etc. • Carry-out duties of H&S representative effectively and efficiently. 	Venue: Online Duration: 1 Day (half days on 2 separate dates) Dates: 10 September 2024, 12 September 2024 16 October 2024, 18 October 2024	
Course Coverage	Target Audience	
Major topics that will be covered during the course: <ul style="list-style-type: none"> • The importance of and key elements of health and safety management systems • Principles and practice of risk assessment • The identification of workplace hazards such as those associated with general workplace issues, fire, electricity etc. • Methods for controlling identified workplace hazards. • As well as covering a range of work-place hazards and methods. • of control, it includes international standards for safety and health. • Management including International Labour Organisation codes of practice. • Methods for controlling identified workplace hazards. • As well as covering a range of work-place hazards and methods. of control, it includes international standards for safety and health. • Management including International Labour Organisation codes of practice. 	Nominations will be given by CC-Safety departments.	
	Learning Methods	Lecture, Discussion, etc.
	Course Director	S K Majumdar, AGM & Sr. Faculty Member (PMI) Mob: 9650994625 skmajumdar03@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential



ROLE OF EIC

Objectives

This program is intended to cover various Contractual aspects, Preventive Vigilance and Procurement & Works Policy, Deviations and Financial concurrence and administrative approval and Labour Laws. Roles and Responsibilities of EICs.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to understand the functions with respect to the work domain related to: C&M, Vigilance, Labour Laws and Dispute Resolution of Contract functional areas	Venue: Online Duration :3 days Dates:11.09.2024 to 13.09.2024
	Target Audience
	Executives in the grade of E5 TO E8 functioning as EICs.
Course Coverage	Learning Methods
Major topics that will be covered during the course. <ul style="list-style-type: none"> • Contract Agreement and Terms & Conditions of Contracts GCC of Packages like O&M, Civil & Supply cum erection • Overview of Procurement & Works Policy, DOP Sections, Deviations, LCs & BGs etc • Provision of Labour Laws related to Wage Payment, EPF, ESI and Workmen Compensation Act • Dispute Resolution and Arbitration Process, Role of EIC 	Special lectures, discussions, case studies
	Course Director
	Dr N Surenthiran DGM (PMI) surenthirannarayananasamy@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	NA



Objectives

The preparatory programme will provide the participants comprehensive inputs regarding all the subjects covered in the four papers prescribed for Energy Auditor to appear in national level examination conducted under the aegis of Bureau of Energy Efficiency (BEE) to become certified Energy Auditor/Manager.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> ● Understand all four subjects and prepare systematically to pass the examination. ● Function efficiently as Energy Auditor. ● Analyse and diagnose the typical areas for energy improvement. 	Venue: Online Mode Duration: 10 Days Dates: 16-27 September 2024
	Target Audience
	All Engineers
Major topics that will be covered during the course <ul style="list-style-type: none"> ● Basic principles of energy management and audit Energy action planning ● Project management ● Energy monitoring & targeting ● Energy efficiency in thermal utilities ● Boilers, steam systems, insulation & refractories ● Energy performance assessment for equipment and utility systems ● Preparation for the examination. 	Lecture, Discussion, Case-study etc.
	Course Director
	Anoop Kumar DGM & Sr. Faculty Member (PMI) Mob: 9650996086 anoopkumar@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	NA



Objectives

Senior assessors to revisit NTPC Business Excellence Model. Understanding of key Strategic and Operational challenges faced by NTPC stations. The Participants will understand Key Opportunities for improvement using previous year feedback reports. The course will help assessors in how to identify key site issues during assessment and writing an effective feedback report.

Participant Benefits	Venue, Duration and Dates
At the end of the program, the participants shall be able to: <ul style="list-style-type: none"> • Understanding Key Strategic and Operational Challenges • Understanding Key Opportunities for Improvement • Identifying Key Site Visit Issues • Assessment for Enablers/Functions • Writing an Effective Feedback Report. 	Duration: 2 days Venue: PMI Dates: 07-08 October 2024 04-05 November 2024
Course Coverage	Target Audience
<ul style="list-style-type: none"> • NTPC business excellence model overview • Maturity Level Assessment Matrices • Understanding key OFI. • Identifying key site visit issues • Exercise: Assessment for Results • Exercise: Assessment for Enablers/Functions • Exercise: Writing an Effective Feedback Report 	All Assessors Function: All Grade: Executives nomination through CC-BE
	Learning Methods
	Classroom sessions, Case studies, Assessments
	Course Director
	<p align="center">Course Director Dr. Anoop Kumar DGM & Sr. Faculty Member (PMI) Mob: 9650996086 Email: anoopkumar@ntpc.co.in</p>

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Residential subject to availability of rooms at PMI



Objectives

Electrical protection plays a critical role in isolation of any abnormal condition in power system and thus ensures availability of a power plant. For last few years, numerical relays have been adopted widely in NTPC Ltd. for electrical protection. Numerical relay not only isolates fault condition in the system but it also captures the vital data to diagnose the fault, reducing break-down time of any equipment. It also provides required real time data to system through SCADA.

Schneider make numerical relays: Vamp 57 have been installed in HT/LT Switchgears of many stations of NTPC Ltd. This training is aimed to provide a three (03) days hands-on training on SEL make Numerical relays at PMI in association with SEL Bangalore.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Understand various functions of numerical relay • Understand various parameters of the SEL numerical relay • Integration within electrical protection system • Various protection functions: Short-circuit, Overcurrent, Earth fault, Overload etc. 	Venue: PMI Duration: 03 days Dates: 21-23 October 2024
Course Coverage	Target Audience
Major topics that will be covered during the course <ul style="list-style-type: none"> • Relay Settings • How to communicate with the relay using a laptop • Sequential Event analysis • Analysis of fault record 	E0-E8
	Learning Methods
	Lecture and case discussions by experts / consultants.
	Course Director
	Rahul Gupta Sr. Manager (PMI) rahulgupta01@ntpc.co.in

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Residential subject to availability of rooms at PMI



Objectives

NDT is used across industries such as aerospace, oil and gas, nuclear, power generation, medical, rail and general manufacturing to name a few. It is a crucial aspect of quality control and ultimately health and safety. Common or conventional methods include visual testing, penetrant testing, magnetic particle testing, eddy current testing, radiographic testing and ultrasonic testing and each have their advantages and disadvantages. Physical training is organised for the candidates who have already basic concepts and knowledge. This course will cover materials, methods, compatibility of materials, and equipment and safety aspects. It will also offer you practical exercises and methods of assessing sensitivity. During the Level 2 instruction writing and application, attendees requiring only Level 1 training will carry out practical applications to written instructions. Training is in accordance with the requirements of BS EN ISO 9712 and ends with a written and practical test. Qualifiers will be given certificate, which is valid worldwide in all industries.

Participant Benefits	Venue, Duration and Dates
After attending this programme, the participant will be able to <ul style="list-style-type: none"> ● Explain the basic principles of penetrant inspection methods ● Carry out penetrant inspection using solvent-removable, water-washable and post-emulsifiable/removal processes ● Write clear and concise inspection instructions and test reports ● Meet syllabus requirements for CSWIP, PCN Level 2 ● Getting qualification Certificate from TWI-UK once qualify in the examination 	Venue: Physical Mode Duration: 5 Days Dates: 07-11 October 2024
Course Coverage	Target Audience
Major topics that will be covered during the course: <ul style="list-style-type: none"> ● Explain the basic principles of penetrant inspection methods ● Carry out penetrant inspection using solvent-removable, water-washable and post-emulsifiable/removal processes ● Write clear and concise inspection instructions and test reports ● Meet syllabus requirements for CSWIP, PCN Level 2 	FQA/CQA/selected participants
	Learning Methods
	Lecture, Discussion, Practical, etc.
	Course Director Anoop Kumar DGM & Sr. Faculty Member (PMI) Mob: 9650996086 anoopkumar@ntpc.co.in

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Residential, subject to availability of rooms at PMI



SAMVEDAN: EMOTIONAL WELLNESS WORKSHOP BY SNEHAL

Objectives

This workshop is aimed at celebrating the Mental Health Day and in learning the importance of self-care and emotional wellbeing. It will throw light on how to deal with a wide range of work life balance issues, including premarital or marital counselling, bereavement, alcoholism or substance abuse, depression or stress management, in both short and long run.

Participant Benefits	Venue, Duration and Dates
<ul style="list-style-type: none"> • Importance of Emotional Health and Wellbeing • Ways to mitigate daily stress. • An introduction to Employee Assistance Programme for holistic wellbeing • How to bring peace, happiness and mental strength in life • How to identify red flags and triggers 	Venue: Aurobindo Hall Duration: 01 DAY Dates: 07.10.2024
Coverage	Target Participants
<ul style="list-style-type: none"> • Understanding concept of Mental Health • Why is counselling required? Who can take it? • How can it help prevention of developing mental health issues? • How does it help in self-development? • Role of EAP in parenting • Prevention of substance abuse, depression, suicidal tendencies, domestic issues • Tool, techniques and help of counsellors in ensuring mental health. • Use of technology like mobile application, cloud services, counselling chats, self-help groups 	NTPC executives (E2-E8)
	Learning Methods
	Storytelling, audio-video, interaction with trained psychologist, FAQs on SNEHAL and discussions
	Course Director
	Dr Priti Sambhalwal Manager (HR-PMI) pritisambhalwal@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential



Objectives

Having the sound understanding of legal aspects while framing the contract document for procurement of goods or services. Executives with knowledge of legal provisions and their implication thereof is less likely to cause aftermath which surprise management with arbitration and subsequent costly reconciliations. The program is designed to enhance the familiarity of executives with the legal frame work and possible pitfalls while drafting contacts to source Services or Goods.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participant will be able to: <ul style="list-style-type: none"> ● State and explain legal terminologies and provisions of contracts. ● Key legal aspects of drafting contract agreements ● Categorize and analyze possible areas of pitfalls in contract documents. ● Analyze contract document from legal deficiency perspective. ● Principles of natural justice and process of arbitration ● Dispute resolution mechanism 	Venue: PMI,Noida Duration: 3 days Dates: 08-10 October 2024
Course Coverage	Target Audience
Major topics that will be covered during the course: <ul style="list-style-type: none"> ● Indian Contracts Act, 1872 ● Arbitration and reconciliation act ,1996 ● The Limitation Act, 1963 ● Common pitfall in contracts and procurement ● Latest judicial trends –Hon’ble Supreme court and High court Judgements ● Case Studies of Pitfalls & Commercial contracts dispute resolution. 	Executives in E3-E7 Grade Execute Framing & Drafting contracts from O&M and service functions.
	Learning Methods
	Lecture, Discussion, Case-Study etc.
	Course Director
	Vasudha Sharma Manager (PMI) Mob: 9354543103 vasudhasharma@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential, subject to availability of rooms at PMI



CYBER SECURITY

Objectives

Cyber security refers to the body of technologies, processes, and practices designed to protect networks, devices, programs, and data from attack, damage, or unauthorized access. Cyber security may also be referred to as information technology security.

<p>Participant Benefits</p> <p>After attending this program, the participants will be able to:</p> <ul style="list-style-type: none"> • Know about applications of Cyber security and expectations from Cyber security in the Future. • Understand the correlation between Cyber Security and Future Technologies. • Know the types of Cyber Attacks and how to safeguard data. • Understand Data Encryption Algorithms. 	<p>Venue, Duration, and Dates</p> <p>Venue: Online Duration: 3 days Dates: 21–23 October 2024</p>
<p>Course Coverage</p> <p>Major topics that will be covered during the course</p> <ul style="list-style-type: none"> • The need for Cyber security and the introduction of various types of cyber-attacks. • General overview of the impact of Cyber security across Industries and the major areas and sectors where Cyber security is being used. • The future of cybersecurity in the years to come. • How Cyber-attacks are launched by cybercriminals. • Popular types of data encryption and the functions of these algorithms. • The most common forms of cyber threats and how data can be protected. 	<p>Target Audience</p> <p>E2-E8</p> <hr/> <p>Learning Methods</p> <p>Lecture and Discussion</p> <hr/> <p>Course Director</p> <p>S K Vishwakarma Sr.Manager(PMI) M/No- 9648474186 skvishwakarma@ntpc.co.in</p>

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Online



Objectives

This course is designed for creating awareness and proficiency of public policy matters related to Data security, and privacy initiatives to improve the health of organizational cyberspace with the support from Data Security Council of India (DSCI).

<p>Participant Benefits</p> <p>After attending this program, the participants will be able to:</p> <ul style="list-style-type: none"> • Understand the Trans-Border Data Transfer privacy • Privacy Enhancing Tools & Techniques • Information Lifecycle concepts 	<p>Venue, Duration, and Dates</p> <p>Venue: PMI Duration: 2-day Dates: 22-23 Oct 2024</p>
<p>Course Coverage</p> <p>Major topics that will be covered during the course.</p> <ul style="list-style-type: none"> • Introduction to Privacy • Drivers of Privacy Protection and Privacy Principles • Privacy Laws & Regulations • Beyond Information Privacy • Privacy in Organizations 	<p>Target Audience</p> <p>IT Executives</p> <p>Learning Methods</p> <p>Lecture and Discussion</p> <p>Course Director</p> <p>Dr. Ananda Srinivas Vaka DGM & Sr. Faculty (PMI) 9650992071 vasrinivas@ntpc.co.in</p>

<p>Whether open to external paid participants</p>	<p>Yes</p>
<p>Whether open to CRM participants</p>	<p>No</p>
<p>Residential /Non-Residential</p>	<p>Residential</p>



Objectives

Certification Program on Energy Analytics offers participants a comprehensive introduction to energy analytics techniques, tools, and applications. Through interactive lectures, hands-on workshops, and case studies, participants will learn how to analyze energy data, derive insights, and make data-driven decisions to optimize energy efficiency, reduce costs, and improve sustainability in various sectors.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> Gain the knowledge and skills needed to leverage data analytics to optimize energy usage, reduce costs, and enhance sustainability across various industries and sectors. 	Venue: PMI Duration: 3 days Dates: 11 Nov-13 Nov 2024
Course Coverage	Target Audience
<ul style="list-style-type: none"> Overview of energy analytics: Importance, objectives, and benefits Data visualization techniques for energy data: Time series plots, scatter plots, histograms, and heat maps Advanced Energy Analytics Techniques A comprehensive exam assessing participants' understanding of energy analytics principles, techniques, and applications 	O&M & Project Executives
	Learning Methods
	Lecture, Discussion etc.
	Course Director Dr. Abhinav Jindal Deputy General Manager & Senior Faculty, (NTPC-PMI)

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential



Lead (IIMs) For Batch 01 to Batch 06

Objectives

The program focuses on a basic understanding of the important roles & responsibilities of to-be General Managers.

Participant Benefits	Venue, Duration, and Dates	
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Appreciate the financial statements. • Understand strategic decision making • Manage diversified teams • Strategic boundary and emergency management. 	Venue: IIMs	
	Duration: 6 days	
	Dates:	
	04-Nov-24	09-Nov-24
	04-Nov-24	09-Nov-24
	04-Nov-24	09-Nov-24
	18-Nov-24	23-Nov-24
18-Nov-24	23-Nov-24	
18-Nov-24	23-Nov-24	
Course Coverage	Target Audience	
Major topics that will be covered during the course <ul style="list-style-type: none"> • NTPC Balance Sheet and Other Financial Statements. • Understand the strategy, structure, and behavior of collaboration • Learn tools to resolve conflict and improve decision-making • Identify and create value through analysis of stakeholders’ perspectives and interests • The DNA of leadership. 	E8 level executives of NTPC.	
	Learning Methods	
	Lecture and Discussion	
	Course Director	
	Dr. Ananda Srinivas Vaka DGM & Sr. Faculty (PMI) 9650992071 vasrinivas@ntpc.co.in	

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Residential



QGIS Software Training

Objectives

This course is designed for creating awareness and understanding of the tools necessary to configure and analyze the Geographic Information Systems (GIS) information and Remote Sensing Techniques. It’s a Hands-on software training using Quantum Geographic information System (QGIS) software used for system engineering and design especially for civil engineers and geologists.

Participant Benefits	Venue, Duration, and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Understand and apply the Watershed Analysis methods including DEM (Digital Elevation Model) creation Contour mapping techniques and Flow accumulation analysis for hydrological studies Flow Direction determination for water flow modeling • Analyze Drainage pattern using GIS tools Identification and delineation of Watershed Basins and Catchment areas, Area Delineation techniques in GIS Road Alignment Embankment, Quanti Calculation for volumetric assessments 	Venue: PMI Duration: 2-day Dates: 05-06 Nov 2024
Course Coverage	Target Audience
Major topics that will be covered during the course. <ul style="list-style-type: none"> • Geographic Information Systems (GIS) tools and Remote Sensing Techniques. • Quantum Geographic information System (QGIS) software Data browsing methods for GIS locations. • Watershed Analysis Auto CAD • Hands-on Exercise - Auto CAD 	Engg, OS and Hydro Group <hr/> Learning Methods Hands-on software training <hr/> Course Director Dr. Ananda Srinivas Vaka DGM & Sr. Faculty (PMI) 9650992071 vasrinivas@ntpc.co.in

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Residential



Objectives

To enable O&M engineers acquire Boiler Operation Engineers (BOE) certification after completion of this preparatory course. The course may also be organised multiple times as per declaration of any state BOE examinations. Dates are liable to change accordingly.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> ● Pass the examination conducted by boiler directorate of respective states and acquire BOE certificate. ● Availability of Virtual Class-room. 	Venue: Online Mode Duration: 40 days Dates: 11 nov-21 Dec 2024
	Target Audience
	O&M Employees
Course Coverage	Learning Methods
Major topics that will be covered during the course <ul style="list-style-type: none"> ● Basics of measurements ● Thermal engineering basics ● Steam properties ● Water chemistry in power plant ● Combustion fundamentals ● Evaluation of combustion effectiveness in boiler. 	Lecture, Discussion, Case-study etc.
	Course Director
	Anoop Kumar DGM & Sr. Faculty Member (PMI) Mob: 9650996086 anoopkumar@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Non-Residential

PMI Calendar – 2024-25

CONTRACTS & PURCHASE MANAGEMENT FOR NON-C&M EXECUTIVES



Objectives

The goal of this course is to understand the process of Contract Management systematically and effectively. It will help to manage the contract creation, execution and analysis of contract management effectively so as to obtain maximum operational and financial performance.

Participant Benefits	Venue, Duration and Dates
After attending this programme, the participant will be able to: <ul style="list-style-type: none"> • Understand the basic process of procurement • Manage time and resources in an efficient manner • Understand the deviations and tendering process of C&M 	Venue: PMI Noida Duration: 3 Days Date: 11-13 November 2024
Course Coverage	Target Audience
Major topics that will be covered during the course: <ul style="list-style-type: none"> • Contract Packaging • Tendering • Post Award Activities • Deviations • Pre- Award activities • New practices in C&M 	Executives with any engineering background, working in Plant Operation, Maintenance, Engineering, OS etc. (other than C&M) of NTPC.
	Learning Methods
	Lecture and Discussions
	Course Director
	Vasudha Sharma Manager (PMI) vasudhasharma@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential



Objectives

Facilitate the transition to low carbon practices by conducting research, engaging stakeholders, developing policies, fostering technology innovation, building capacity, and analyzing economic impacts.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> <input type="checkbox"/> Enhanced understanding of low carbon practices and their implications. <input type="checkbox"/> Opportunities for active involvement in policy development and technological innovation. <input type="checkbox"/> Improved skills and capacity for effective implementation of low carbon strategies. <input type="checkbox"/> Contribution to global efforts in combating climate change and fostering sustainability. 	Venue: Online Duration: 45 days Dates: 18 Nov 2024-01 Jan 2025
Course Coverage	Target Audience
<ul style="list-style-type: none"> • Introduction to Climate Change and Carbon Emissions • Current Trends and Impact Assessment • Stakeholder Engagement and Policy Frameworks • Technology Innovation and Best Practices • Capacity Building and Skills Development • Economic Analysis and Financial Strategies • Case Studies and Success Stories Action Planning and Implementation Strategies 	O&M & Project Executives
	Learning Methods
	Lecture, Discussion etc.
	Course Director
	Dr. Abhinav Jindal Deputy General Manager & Senior Faculty, (NTPC-PMI)

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Online



Objectives

The goal of this training is to help develop the skills to effectively communicate in a workplace and to be able to present your information clearly. Keeping in view the need of current scenario to effectively put your message forward, these skills will help not only to present your data effectively but also engaging with them. The training also focuses on explaining the business etiquettes that describes the set of rules to govern the business interaction with one another, customers, suppliers, and partners.

Participant Benefits	Venue, Duration and Dates
After attending this programme, the participant will be able to: <ul style="list-style-type: none"> • Communicate with a clear purpose. • Create open honest channel of communication. • Prepare and deliver interesting interactive presentations. 	Venue: PMI, Noida Duration: 2 Days Date: 19-20 November 2024
Course Coverage	Target Audience
Major topics that will be covered during the course: <ul style="list-style-type: none"> • Structuring the Content of a presentation • Design and Delivery of a presentation • Effective opening and closing in a presentation. • Self-reflection and self-management • Teamwork • Basics of Business Etiquette 	Executives (E2-E7) with any engineering background, working in Plant Operation, Maintenance, Engineering, OS etc. of NTPC, SEBs and other utilities.
	Learning Methods
	Lecture and Discussions
	Course Director
	Vasudha Sharma Manager (PMI) vasudhasharma@ntpc.co.in

Whether open to external paid participants	Yes
Whether open to CRM participants	Yes
Residential /Non-Residential	Residential, subject to availability of rooms at PMI



STORES MANAGEMENT FOR STORES EXECUTIVES

Objectives

The goal of this course is to understand the process of Store Management systematically and effectively. It will help to manage the contract execution and analysis of inventory effectively so as to obtain maximum operational and financial performance.

Participant Benefits	Venue, Duration and Dates
After attending this programme, the participant will be able to: <ul style="list-style-type: none"> • Understand the complete process of stores management • Manage resources in an efficient manner • Understand the scrap disposal mechanism 	Venue: PMI Noida Duration: 3 Days Date: 21-23 November 2024
Course Coverage	Target Audience
Major topics that will be covered during the course: <ul style="list-style-type: none"> • Store Activities, recording of data, software used. • Hands on practice on SAP T-codes for Stores. • Scrap disposal- Segregation of Scrap, related environmental norms, statutory aspects, licenses etc. • Insurance, Inventory Management Accounting 	Executives working in stores department or executives dealing with stores functions of NTPC.
	Learning Methods
	Lecture and Discussions
	Course Director
	Vasudha Sharma Manager (PMI) vasudhasharma@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential, subject to availability of rooms at PMI



Objectives

This course will take the learners through a detailed and proven procedure for effective internal audits. Whilst the course is directed towards the NOSA HSE Management System, the principles can be applied to audit any HSE system/process.

Participant Benefits	Venue, Duration and Dates
<p>At the end of the programme, the participants shall be able to-</p> <ul style="list-style-type: none"> • plan and prepare for the audit process • produce an audit plan • inform affected stakeholders of audit plan • collect and record audit data • evaluate findings for conformance/non-conformance to legislation, company policy and procedures • compile, process and circulate the audit findings report to affected parties • discuss audit findings and make suitable recommendations with affected parties • evaluate, record and process the corrective action(s)/improvements made • communicate the audit plan to affected parties 	<p>Venue: Online Duration: 04 Days Dates: 25-29 November 2024 Note: The course will have the following assessment.</p> <p>Formative assessment</p> <ul style="list-style-type: none"> • Various activities will be completed during class as well as for homework • Learner needs to complete a POE <p>Summative assessment</p> <ul style="list-style-type: none"> • Students must book their final summative assessment at a training centre • Learner needs to achieve a minimum of 65%
Course Coverage	Target Audience
<ul style="list-style-type: none"> • All aspects of audit plan and conducting the audit • Interpretation and evaluation of Audit findings • Determination of conformance and non-conformance <p>Preparation of follow up and evaluate corrective etc.</p>	<p>Executives from O&M and Safety particularly members of internal audit teams and HSE representatives, practitioners and committee members.</p>
	Learning Methods
	Lecture, Discussion, etc.
	Course Director
	<p>Anoop Kumar DGM & Sr. Faculty Member (PMI) Mob: 9650996086 anoopkumar@ntpc.co.in</p>

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential, subject to availability of rooms at PMI



IT Network Basics and Administration

Objectives

This course is designed for creating awareness and understanding of the concepts and skills necessary to configure Firewall Security Gateway and Management of Software Blades. During this course, you will learn how to configure a Security Policy and learn about managing and monitoring a secure network. In addition, you will upgrade and configure a Security Gateway to implement a virtual private network for internal, external, and remote users.

Participant Benefits	Venue, Duration, and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • The course will enable to gain knowledge in Network Administration • To understand about Firewalls, Cryptography, VPNs, IPS • To analyze security threats and protect the organization's systems and database • Hands-on training on UTM Firewalls. 	Venue: PMI Duration: 5 days Dates: 25-29 Nov 2024
Course Coverage	Target Audience
Major topics that will be covered during the course Network Administration <ul style="list-style-type: none"> • Computer Networks & Topologies • OSI Layers & Transmission Media • Communication Protocols • IP Addressing & Subnetting (VLSM & CIDR) Network Security <ul style="list-style-type: none"> • Network Attack Techniques • Common Vulnerabilities and Exposures • Trojans, Viruses, Worms, Logic Bombs • Eavesdropping, Phishing, Smurfing, Rootkit, DDoS Firewalls Overview Types of Firewalls <ul style="list-style-type: none"> • Firewall Configuration Strategies • Handling Threats and Security Tasks • Multi Firewall DMZ • Network Behavior Analysis (NBA) 	IT Executives Learning Methods Lecture and Discussion Course Director Dr.Ananda Srinivas Vaka DGM & Sr. Faculty (PMI) 9650992071 vasrinivas@ntpc.co.in

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Residential



Objectives

The program focuses on the different project execution methods and strategies of projects. Projects are quite different from traditional operation and maintenance of stations and hence different strategies need to be adopted to deal with the changing scenario in executing projects. The main objective of this training is to analyze the causal relation of some important criteria of project planning and development of projects.

Participant Benefits	Venue, Duration, and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Understand the complexities involved throughout the lifecycle of a project • Understand the basics of dynamic project management • Manage the project execution 	Venue: Online Duration: 10 days Dates: 02-14 Dec 2024
Course Coverage	Target Audience
Major topics that will be covered during the course <ul style="list-style-type: none"> • Contract closing procedure • Contract procedure for a new project • Station engineering and R&M activity • Energy Transition & Policy Research (ET&PR) • Role of finance and financial aspect for the new project • Introduction to Nuclear power cell 	Selected executives working on projects
	Learning Methods
	Lecture and Discussion
	Course Director
	Dr. Ananda Srinivas Vaka DGM & Sr. Faculty (PMI) 9650992071 vasrinivas@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Non-Residential



Objectives

The program is conceived as a refresher course for operation executives involved in operation duty and it is intended to provide a platform for sharing of experiences of power plant operation.

Participant Benefits	Venue, Duration and Dates
After attending this programme, the participant will be able to <ul style="list-style-type: none"> ● Interpret technological and commercial aspects of power generation ● Analyse the reasons for failure of systems and ● Take appropriate corrective measures to avoid reoccurrences of failures ● Appreciate the necessity to adhere to OEM guidelines and established operating procedures ● Enhance skill to reduce failures attributed to human error ● Share learning experiences of different stations and ● Manage plant operation better 	Venue: Physical Mode Duration: 03 days Dates: 04-06 December 2024
Course Coverage	Target Audience
Major topics that will be covered during the course: <ul style="list-style-type: none"> ● New development in thermal power generation ● Technology advancements ● Protection philosophy (operating limits) ● Human error ● Start up and shutdowns ● Operational optimization ● Operation management and technical compliance ● Commercial aspects ● Role of operation in maintenance ● Ash dyke management 	OPERATION ENGINEERS
	Learning Methods
	Lecture, Discussion, Case-study etc.
	Course Director
	Anoop Kumar DGM & Sr. Faculty Member (PMI) Mob: 9650996086 anoopkumar@ntpc.co.in

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Residential, subject to availability of rooms at PMI



Objectives

Certification Program on Sustainable Green Finance offers participants a comprehensive understanding of sustainable finance principles, green investment strategies, and the integration of environmental, social, and governance (ESG) factors into financial decision-making. Through interactive lectures, case studies, and practical exercises, participants will learn how to identify, assess, and finance sustainable projects and investments, contributing to environmental protection and social development.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> Gain the knowledge and skills needed to drive positive environmental and social impact through finance, contributing to the transition towards a more sustainable and resilient economy. 	Venue: PMI Duration: 3 days Dates: 9 Dec-11 Dec 2024
Course Coverage	Target Audience
<ul style="list-style-type: none"> Introduction to sustainable finance: Principles, objectives, and key concepts Case studies: Examples of sustainable finance initiatives and their impact <ul style="list-style-type: none"> Green Investment Strategies and Risk Management Sustainable Finance Regulations and Market Trends A comprehensive exam assessing participants' understanding of sustainable finance principles, green investment strategies, and regulatory frameworks 	O&M & Project Executives
	Learning Methods
	Lecture, Discussion etc.
	Course Director
Dr. Abhinav Jindal Deputy General Manager & Senior Faculty, (NTPC-PMI)	

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential



Objectives

The program is designed for executives who are already familiar with the basics of Microsoft Excel, and who want to learn more advanced features of Excel. Upon completion of this program, participants will be able to perform complex calculations more efficiently, organize and analyze data in worksheets, create MIS reports, and automate various tasks.

Participant Benefits	Venue, Duration, and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Perform complex calculations more efficiently, using various Excel functions. • Organize and analyze large volumes of data. • Create reports. • Automate various tasks. 	Venue: PMI Duration: 3 days Dates: 10 –12 Dec 2024
Course Coverage	Target Audience
Major topics that will be covered during the course <ul style="list-style-type: none"> • Building logic with IF & Nested IF statements • Lookup, Index, Conditional, Text, Date and Financial Functions • Formula auditing and name range • Protection in Excel • Summarizing, slicing & dicing with Pivot Tables and Charts • Goal Seek, Solver & Scenario Manager • Sensitivity Analysis • Advance financial functions IRR, NPV, PMT, IPMT, etc • Consolidating and managing data from multiple workbooks • Advanced filter and Sorting • Advance Conditional Formatting and Print Settings • Using Macro for automation process. 	E2-E8 working in O&M, Engineering, OS, etc. of NTPC, SEBs, and other utilities
	Learning Methods
	Lecture and Discussion
	Course Director
	S K Vishwakarma Sr. Manager (PMI) M/No- 9648474186 skvishwakarma@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential



Objectives

NDT is used across industries such as aerospace, oil and gas, nuclear, power generation, medical, rail and general manufacturing to name a few. It is a crucial aspect of quality control and ultimately health and safety. Common or conventional methods include visual testing, penetrant testing, magnetic particle testing, eddy current testing, radiographic testing and ultrasonic testing and each have their advantages and disadvantages. Physical training is organised for the candidates who have already basic concepts and knowledge. This course will cover materials, methods, compatibility of materials, and equipment and safety aspects. It will also offer you practical exercises and methods of assessing sensitivity. During the Level 2 instruction writing and application, attendees requiring only Level 1 training will carry out practical applications to written instructions. Training is in accordance with the requirements of BS EN ISO 9712 and ends with a written and practical test. Qualifiers will be given certificate, which is valid worldwide in all industries.

Participant Benefits	Venue, Duration and Dates
After attending this programme, the participant will be able to <ul style="list-style-type: none"> ● Explain the basic principles of penetrant inspection methods ● Carry out penetrant inspection using solvent-removable, water-washable and post-emulsifiable/removal processes ● Write clear and concise inspection instructions and test reports ● Meet syllabus requirements for CSWIP, PCN Level 2 ● Getting qualification Certificate from TWI-UK once qualify in the examination 	Venue: Physical Mode Duration: 5 Days Dates: 16-20 December 2024
Course Coverage	Target Audience
Major topics that will be covered during the course: <ul style="list-style-type: none"> ● Explain the basic principles of penetrant inspection methods ● Carry out penetrant inspection using solvent-removable, water-washable and post-emulsifiable/removal processes ● Write clear and concise inspection instructions and test reports ● Meet syllabus requirements for CSWIP, PCN Level 2 	FQA/CQA/selected participants
	Learning Methods
	Lecture, Discussion, Practical, etc.
	Course Director
	Anoop Kumar DGM & Sr. Faculty Member (PMI) Mob: 9650996086 anoopkumar@ntpc.co.in
Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Residential, subject to availability of rooms at PMI



Objectives

Certification Program on Offshore Wind provides participants with a comprehensive understanding of offshore wind energy development, project planning, and execution. Through a structured curriculum comprising lectures, case studies, site visits, and practical exercises, participants will gain insights into offshore wind technology, project lifecycle, regulatory frameworks, and best practices in project management.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> Gain the knowledge and skills needed to contribute to the growth and success of offshore wind projects, advancing the transition towards renewable energy and sustainable development. 	Venue: Online Duration: 30 days Dates: 16 Dec 2024-30 Jan 2025
Course Coverage	Target Audience
<ul style="list-style-type: none"> Introduction to offshore wind energy: History, advantages, and global trends Offshore wind turbine technology: Design principles, components, and innovations Site selection and resource assessment: Wind mapping, seabed surveys, and environmental considerations Case studies: Successful offshore wind projects and their key features Site visit or virtual tour: Visit to an offshore wind farm or virtual tour of offshore wind project facilities A comprehensive exam assessing participants' understanding of offshore wind energy fundamentals, project development processes, and management principles 	O&M & Project Executives
	Learning Methods
	Lecture, Discussion etc.
	Course Director
	Dr. Abhinav Jindal Deputy General Manager & Senior Faculty, (NTPC-PMI)

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Online



Objectives

IPMA Level C is a 7day program consisting of 4 days training and 3 days assessment with one day written examination. IPMA Level C certification requires that a candidate has acted in a project management role within projects of moderate complexity. Eligibility criteria is that within the last six years the candidate needs to have a minimum of three years’ experience as a project manager within projects of moderate complexity, or a minimum of three years’ experience in a responsible project management role assisting the project manager in complex projects.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> ● Improves one's capability to deliver better, faster, less expensive products and services. ● Appear for the IPMA Level C certification examination, on qualifying which, he / she will become a IPMA Level C Certified Project Manager. 	Venue: PMI Duration: 5 days Dates: 16-20 December 2024
Course Coverage	Target Audience
Major topics that will be covered during the course <ul style="list-style-type: none"> ● Perspective <ol style="list-style-type: none"> 1. Strategy 2. Governance, structures and processes 3. Compliance 4. Power and interest 5. Culture and values ● People <ol style="list-style-type: none"> 1. Self-reflection and self-management 2. Personal integrity and reliability 3. Personal communication 4. Relations and engagement 5. Leadership. 6. Teamwork 7. Conflict and crises 8. Resourcefulness 9. Negotiation 10. Result orientation, etc. 	IPMA Level D certified executives with min. 6 years of experience, out of which 3 years should be as project manager in projects of moderate complexity or in a responsible project management role assisting the project manager in complex projects.
	Learning Methods
	Lecture and Discussion
	Course Director
	Vasudha Sharma Manager (PMI) vasudhasharma@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential subject to availability of rooms at PMI



Objectives

As UNESCO puts it across, gender sensitivity is required to increase awareness of gender issues, suggest guidelines for a gender-sensitive approach at workplace, and promote respect for the equally valid roles that men and women play in their families, their communities, their work and their nations.

The program aims at giving insights into ‘gender’, changing behaviour and instilling empathy into the views that we hold about each other. It also discusses POSH Act of 2013 in detail.

Participant Benefits	Venue, Duration and Dates
<ul style="list-style-type: none"> Understanding the framework of gender at workplace and reacted biases. Ways to avoid Gender biased decisions, statements and remarks. Demonstrate the appropriate gender-neutral traits and triggers. Awareness on “The Sexual Harassment at Workplace (Prevention, Prohibition and Redressal) Act, 2013. Identifying the ways to create a Conducive Workplace. 	<p>Venue: Ganga Hall, PMI</p> <p>Duration: 01 Day</p> <p>Dates: 06.01.2025</p>
Coverage	Target Participants
<ul style="list-style-type: none"> Understanding concept of ‘gender’ Gender stereotyping and biases Gender at workplace Evolution of ‘Vishakha guidelines’ Features of “The Sexual Harassment at Workplace (Prevention, Prohibition and Redressal) Act, 2013 	HR and IC Members only
	Learning Methods
	Highly interactive, case studies, discussions with Legal Expert
	Course Director
	Dr Priti Sambhalwal Manager (HR-PMI) pritisambhalwal@ntpc.co.in
Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential



Objectives

The success of an organization, the penetration of its products and services in the market, efficient internal procedures, and a healthy economic status depend essentially on how OH&S requirements are consistently ensured, maintained, and improved. Effective audits assist an organization to improve its OH&S management system in this spirit. The caliber of an auditor is crucial to the performance of companies and ultimately to the success of the management system. This comprehensive course provides hands-on training to ensure that the auditor thoroughly understands the role and acquires the expertise needed or required to perform the audit effectively.

Participant Benefits	Venue, Duration, and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> ● To understand the roles and responsibilities of an auditor ● To plan, conduct, and report the audit ● To understand the audit requirements of ISO 9001:2015 standard. ● To understand the principles and practice of auditing. ● Learning through case studies & exercises 	Venue: PMI Duration: 02 days Dates: 07-08 Jan 2025
Course Coverage	Target Audience
Major topics that will be covered during the course <ul style="list-style-type: none"> ● Purpose and benefits of ISO 9001:2015 QMS ● ISO 9001:2015 Standard’s requirements – Clauses of the standard and how they are required to be interpreted based on NTPC’s requirements ● Importance of QMS to NTPC’s vendors/suppliers/contractors ● Purpose & benefits of internal audits ● Group activity regarding Supplier/vendor audits [Exercise – 1] ● Audit checklist preparation and discussion [Exercise - 2] ● Methodology of vendor/supplier QMS audits by NTPC Internal Auditors ● Raising & Writing Non-Conformity Report [NCR] ● Group Discussion on NCR [Exercise -3] 	Executives up to E7
	Learning Methods
	Lecture and Discussion
	Course Director S K Vishwakarma Sr. Manager (PMI) M/No- 9648474186 skvishwakarma@ntpc.co.in

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Residential



Objectives

Certification Program on Financial Modeling & Valuation Analysis offers an intensive and immersive learning experience focused on equipping participants with advanced skills in financial modeling and valuation techniques. Through a combination of theoretical knowledge, hands-on exercises, and real-world case studies, participants will develop proficiency in constructing complex financial models and conducting comprehensive valuation analyses.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Gain skills in financial modeling and valuation analysis. • Secure a solid understanding of accounting principles and proficiency in Excel. • Obtain a certification in financial modeling and valuation analysis 	Venue: PMI Duration: 5 days Dates: 13 Jan-17 Jan 2025
Course Coverage	Target Audience
<ul style="list-style-type: none"> • Introduction to Financial Modeling Fundamentals • Advanced Financial Modeling Techniques • Valuation Analysis Methods • Valuation Modeling and DCF Analysis • Advanced Valuation Techniques and Case Studies 	Finance & Project Executives
	Learning Methods
	Lecture, Discussion etc.
	Course Director
	Dr. Abhinav Jindal Deputy General Manager & Senior Faculty, (NTPC-PMI)

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential



Objectives

NDT is used across industries such as aerospace, oil and gas, nuclear, power generation, medical, rail and general manufacturing to name a few. It is a crucial aspect of quality control and ultimately health and safety. Common or conventional methods include visual testing, penetrant testing, magnetic particle testing, eddy current testing, radiographic testing and ultrasonic testing and each have their advantages and disadvantages. With advancements in digital control and imaging, other techniques have been developed including phased array ultrasonic testing, time of flight diffraction, digital and computed radiography, eddy current array and pulsed eddy current.

Physical training is organised for the candidates who have already basic concepts and knowledge. After the training, an examination will be conducted on theory & practical as per requirements of ISO 9712. Qualifiers will be given certificate, which is valid worldwide in all industries.

Participant Benefits	Venue, Duration and Dates
After attending this programme, the participant will be able to <ul style="list-style-type: none"> ● Introduction to visual inspection; fundamentals of vision and light; introduction to NDT; visual inspection equipment; factors influencing visual inspection; product technology (welding, casting, forging etc.); practical inspection methodology; inspection, weld repair and heat treatment requirements. ● Getting qualification Certificate from TWI-UK once qualify in the examination 	Venue: Physical Mode Duration: 5 Days Dates: 27-31 January 2025
Course Coverage	Target Audience
Major topics that will be covered during the course: <ul style="list-style-type: none"> ● Introduction to visual inspection; ● fundamentals of vision and light; ● introduction to NDT; visual inspection equipment; factors influencing visual inspection; product technology (welding, casting, forging etc.); ● practical inspection methodology; inspection, weld repair and heat treatment requirements. 	FQA/CQA/selected participants
	Learning Methods
	Lecture, Discussion, Practical, etc.
	Course Director
	Anoop Kumar DGM & Sr. Faculty Member (PMI) Mob: 9650996086 anoopkumar@ntpc.co.in

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Residential, subject to availability of rooms at PMI



PROGRAM FOR CFOS

Objectives

Program for Chief Financial Officers (CFOs) offers a tailored curriculum designed to enhance the strategic leadership, financial management, and decision-making capabilities of CFOs. Through a combination of interactive workshops, case studies, and expert-led discussions, participants will explore key topics relevant to the CFO role, such as financial strategy, risk management, and corporate governance.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: The knowledge and skills needed to excel in their roles as strategic financial leaders, driving sustainable growth and value creation for their organizations.	Venue: PMI Duration: 3 days Dates: 3 Feb-5 Feb 2025
Course Coverage	Target Audience
<ul style="list-style-type: none"> • Strategic Financial Leadership • Role of the CFO in strategic decision-making and value creation • Risk assessment and mitigation strategies for CFOs • Financial forecasting and scenario planning • Corporate Governance and Stakeholder Management • Ethical considerations and corporate social responsibility 	Finance Executives
	Learning Methods
	Lecture, Discussion etc.
	Course Director
	Dr. Abhinav Jindal Deputy General Manager & Senior Faculty, (NTPC-PMI)

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential



PG TEST OF SG & TG SYSTEMS

Objectives

This program aims to provide an overall idea about how Performance Guarantee (PG) Test is carried out to meet the guaranteed ratings and performance requirements of a thermal power plant.

Participant Benefits	Venue, Duration and Dates
After attending this programme, the participant will be able to <ul style="list-style-type: none"> ● The functional guarantees and interpretation of relevant contract clauses ● Cat I, Cat II and Cat III guarantee parameters and their significance. ● LD clauses for noncompliance and deviation from contracted performances ● Different packages and scopes ● Guarantee conditions, performance test and evaluation methods. 	Venue: Physical Mode Duration: 02 days Dates: 06-07 February 2025
Course Coverage	Target Audience
Major topics that will be covered during the course: <ul style="list-style-type: none"> ● Cat I, Cat II and Cat III guarantee parameters and their significance ● LD clauses for noncompliance and deviation from contracted performances ● Different packages and scopes such as: Steam Generator, ESP, Mills, Turbine Generator, CT, C&I Electrical, BOP packages etc. 	O&M EMPLOYEES
	Learning Methods
	Lecture, Discussion, Case-study etc.
	Course Director Anoop Kumar DGM & Sr. Faculty Member (PMI) Mob: 9650996086 anoopkumar@ntpc.co.in

Whether open to external paid participants	Yes
Whether open to CRM participants	No
Residential /Non-Residential	Residential, subject to availability of rooms at PMI



Objectives

This program is intended to familiarize them with all the important aspects of managing the issues arising from time to time.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • appreciate the Role and responsibilities of BUHS • fulfill the statutory responsibilities • appreciate various statutory laws • appreciate CSR, DOP, contract closing, DRC, Land acquisition • appreciate Vigilance, RTI, safety and emerging technologies 	Venue: Online Duration:3weeks (Half days) Dates: 10 February – 01 March 2025
Course Coverage	Target Audience
Major topics that will be covered during the course <ul style="list-style-type: none"> • Laws/acts related to Factory Act, IBR, Environment, ID Act, CLRA Act • Boundary Management • CSR, DOP, contract closing, DRC, Land acquisition • External Stake-holder Management 	BUHS
	Learning Methods
	Lecture and Discussion
	CourseDirector
	Dr. Ananda Srinivas Vaka DGM & Sr. Faculty (PMI) M/No-9650992071 vasrinivas@ntpc.co.in

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential/Non-Residential	NA



Objectives

Training Program on Power BI provides participants with comprehensive instruction on leveraging Power BI for data analysis, visualization, and reporting. Through a blend of hands-on workshops, demonstrations, and practical exercises, participants will learn how to effectively use Power BI to transform raw data into insightful visualizations and dashboards.

Participant Benefits	Venue, Duration and Dates	
After attending this program, the participants will be able to: <ul style="list-style-type: none"> Gain the knowledge and skills needed to unlock the full potential of their data, make data-driven decisions, and drive business success. 	Venue: PMI Duration: 3 days Dates: 17 Feb-19 Feb 2025	
Course Coverage	Target Audience	
<ul style="list-style-type: none"> Overview of Power BI: Features, capabilities, and benefits Building basic visualizations: Bar charts, line charts, pie charts, and tables Advanced Data Modeling and Visualization Introduction to Power BI Service: Publishing and sharing reports, dashboards, and datasets Data Transformation and Advanced Analytics Introduction to Power Query: Extracting data from various sources, transforming data, and managing queries Power BI best practices and optimization techniques 	Finance Executives	
	Learning Methods	Lecture, Discussion etc.
	Course Director	Dr. Abhinav Jindal Deputy General Manager & Senior Faculty, (NTPC-PMI)
Whether open to external paid participants	No	
Whether open to CRM participants	No	
Residential/Non-Residential	NA	



Objectives

Certification Program on Nuclear Energy Technology offers participants a comprehensive understanding of nuclear power generation, reactor technology, safety protocols, and regulatory frameworks. Through a structured curriculum comprising lectures, simulations, case studies, and site visits (if applicable), participants will gain insights into the principles, applications, and challenges of nuclear energy technology.

Participant Benefits		Venue, Duration and Dates	
After attending this program, the participants will be able to: Gain the knowledge and skills needed to contribute to the safe, efficient, and sustainable use of nuclear energy for power generation and other applications.		Venue: PMI Duration: 5 days Dates: 3 Mar-7 Mar 2025	
Course Coverage		Target Audience	
<ul style="list-style-type: none"> • Overview of nuclear energy: History, principles, and applications. • Nuclear fuel cycle: Uranium mining, enrichment, fuel fabrication, and waste management. • Nuclear reactor physics fundamentals: Chain reactions, neutron moderation, and reactor kinetics. • Nuclear Power Plant Design and Engineering • Nuclear Energy Economics and Environmental Impact • Future of Nuclear Energy and Emerging Technologies. 		O&M & Project Executives	
		Learning Methods	
		Lecture, Discussion etc.	
		Course Director	
		Dr. Abhinav Jindal Deputy General Manager & Senior Faculty, (NTPC-PMI)	
Whether open to external paid participants	No		
Whether open to CRM participants	No		
Residential /Non-Residential	Residential		



Objectives

Women face unique set of challenges while making their way to top leadership positions. This includes plenty of gender biases, difficulty of managing home with work, shrinking peer group and scarcity of role models. This specially designed programme is an opportunity for women leaders to come together on one platform, share their journey, get inspired from each other and learn from already established women achievers. A one of its kind experiences!

Participant Benefits	Venue, Duration and Dates
After attending this programme, the participant will be able to <ul style="list-style-type: none"> • Hear inspirational stories of Go-Getters from they themselves • Learn from each other’s’ leadership journey • Get to interact and be a part of senior women leaders network 	Venue: PMI, Noida Duration: 1 Day Dates: 07 th March, 2025
Coverage	Target Participants
Major topics that will be covered during the course: <ul style="list-style-type: none"> • Talks from women high-achievers • Corporate Example sharing Learn from narratives through panel discussion 	Female Executives Learning Methods Balance mix of Talks, Discussion and Corporate Examples Course Director Dr Priti Sambhalwal Manager (HR-PMI) pritisambhalwal@ntpc.co.in
Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential subject to availability of rooms



BATTERY STORAGE, ELECTRIC VEHICLES AND CHARGING STATION

Objectives

Program on Battery Storage, Electric Vehicles (EVs), and Charging Infrastructure offers participants a comprehensive understanding of the rapidly evolving landscape of energy storage, electric transportation, and charging technologies. Through a blend of lectures, case studies, hands-on projects, and industry expert sessions, participants will gain insights into battery storage systems, EV technology, charging station deployment, and the integration of renewable energy sources.

Participant Benefits	Venue, Duration and Dates
After attending this program, the participants will be able to: <ul style="list-style-type: none"> • Acquire knowledge in battery storage, electric vehicles, and charging infrastructure. • Gain the knowledge and skills needed to play a key role in advancing the transition towards sustainable energy and transportation systems, contributing to environmental protection and climate resilience. 	Venue: Online Duration: 6 Weeks Dates: 10 Mar-23 April 2025
Course Coverage	Target Audience
<ul style="list-style-type: none"> • Introduction to energy storage technologies: Batteries, pumped hydro storage, and thermal storage. • Case studies: Successful energy storage projects and their impact on grid reliability and resilience. • Electric Vehicles Technology and Market Trends. • Deployment Strategies and Future Outlook. 	O&M & Project Executives
	Learning Methods
	Lecture, Discussion etc.
	Course Director
Dr. Abhinav Jindal Deputy General Manager & Senior Faculty, (NTPC-PMI)	

Whether open to external paid participants	No
Whether open to CRM participants	No
Residential /Non-Residential	Residential