

## Academic Calendar (2019 - 2020)

Program Code	Program	Tentative Dates	Tentative Fees	Learning Objectives (for the participants to be able to understand/list/define/describe)	Participant Profile
LNGA 003	Operation & Commissioning of Regasification Terminal	24-26, April 2019	INR 45,000/-	<ul style="list-style-type: none"> <li>Define LNG Value Chain and detail the significance of a regasification terminal as a means to serve gas markets.</li> <li>Identify and detail activities in various stages of operation, including commissioning and start-up of a new regasification project.</li> <li>List equipment critical factors during commissioning of a regasification terminal.</li> <li>Gain hands-on experience on start-up in a simulator</li> <li>Detail the concept, principles, types and components of cathodic protection.</li> <li>Identify elements of designing cathodic protection system.</li> <li>List the parameters for monitoring and describe troubleshooting activities for cathodic protection system.</li> </ul>	Technicians, Supervisory Engineers, Process engineers, Operators and Control Room personnel working in operational or yet-to-commission LNG regasification terminals.
LNGA 001	Fundamentals of LNG & LNG Value Chain	3-5, July 2019	INR 40,000/-	<ul style="list-style-type: none"> <li>List background and developments in the LNG business</li> <li>Define elements of the LNG value chain and specifically regasification terminals</li> <li>List blocks of on-land regasification facilities</li> <li>Identify HSE hazards and methods of prevention/firefighting of LNG</li> <li>Design elements of a regasification terminal</li> <li>List different types/classification of LNG ships</li> <li>Identify steps involved in LNG ship handling at receiving terminals</li> <li>Enumerate supply – demand dynamics of LNG in global and Indian context</li> <li>List economics of LNG movement by trucks</li> <li>Get first hand feel of an operating terminal</li> </ul>	Managers, engineers, planners, business development professionals, financial analysts, and government regulators involved in the LNG industry. Participants who work with LNG projects, including equipment and service providers, shipping companies and consultants can gain insights into the activities along LNG value chain. Any technical graduate with over 3 years of work experience who is interested in learning about the LNG industry.

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LNGA 007	Simulator Training	16-19, July 2019	INR 50,000/-	Identify and detail activities in various stages of operation, including cstart-up of a regasification terminal.	Operators/Control room engineers/Field engineers working in or about to be deployed in key operational/technical areas of a regas terminal
				Gain hands-on experience of routine operations and develop skills to handle emergency situations in the operation of regas terminals.	
				Refresh basic operational procedures for experienced operators and introduce the operations to new operators.	
LNGA 009	Basics of Small Scale LNG	19-20, September 2019	INR 40,000/-	Enablers & Drivers for Small Scale LNG.	Personnel in Commercial, Marketing, Business Development, Technical and Projects related to LNG field. Technical/Commercial graduates with at least 3 years of relevant experience.
				Overview of Global developments, Structures & Trends.	
				Small regasification and import terminals.	
				Reloading and trans shipment.	
				Truck loading and rail loading.	
				Bunkering fuel for maritime transport.	
				Heavy duty transport, Trucks & Rail applications.	
				Mother –Daughter Stations.	
LCNG, Satellite Hub, LNG Barges.					

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LNGA 010	HSE in handling of NG & LNG	14-16, October 2019	INR 50,000/-	<ul style="list-style-type: none"> <li>Basics of LNG &amp; NG Safety</li> <li>Safety issues related to storage and handling of LNG.</li> <li>Hazardous situations.</li> <li>Hazard detection and emergency response.</li> <li>HSE regulations and Standards in LNG Industry.</li> <li>Emergencies and Emergency Response and Disaster Management Plan (ERDMP).</li> <li>Safety Equipments and Fire protection facilities.</li> <li>LNG Fire Fighting.</li> <li>Safety in transportation of NG &amp; LNG.</li> <li>Process safety in Regas terminals.</li> <li>Operational safety – Storage, bunkering, loading / unloading.</li> </ul>	Manager, Engineers involved in transportation of NG & LNG. LNG/NG plant/facility safety personnel. Personnel involved in operation of LNG import terminal, LNG loading/unloading, discharging and custody transfer.
LNGA 007	Simulator Training	18-21, November 2019	INR 50,000/-	<ul style="list-style-type: none"> <li>Identify and detail activities in various stages of operation, including cstart-up of a regasification terminal.</li> <li>Gain hands-on experience of routine operations and develop skills to handle emergency situations in the operation of regas terminals.</li> <li>Refresh basic operational procedures for experienced operators and introduce the operations to new operators.</li> </ul>	Operators/Control room engineers/Field engineers working in or about to be deployed in key operational/technical areas of a regas terminal.
LNGA 008	LNG Shipping, Marine Facilities and Ship handling operations.	18-20, December 2019	INR 50,000/-	<ul style="list-style-type: none"> <li>Describe different types of LNG Carriers and FSRU.</li> <li>List steps in LNG ship cargo operations.</li> <li>Identify trends in ship chartering rates and its impact on LNG pricing.</li> <li>Describe latest trends in LNG shipping.</li> <li>Overview of Design studies in Berthing, Jetty facilities and navigation for LNG ship transport to an LNG import terminal.</li> <li>LNG import terminal operations - Unloading/ Gassing-up, Cooling-down, Reloading &amp; Bunkering.</li> </ul>	Shipping, Marine, Operation and Technical Personnel working with or aspiring to work in a regasification terminal. Surveyors, Charterers, Operating personnel and Insurers who are desirous of learning the basics of LNG Shipping.

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LNGA 004	Gas/LNG Contracts: Structuring & Pricing	13-14, January 2020	INR 50,000/-	<ul style="list-style-type: none"> <li>Enumerate figures of LNG demand-supply in global and Indian context</li> <li>Detail of existing and emerging gas infrastructure in India</li> <li>List elements of pricing in LNG contracts.</li> <li>Familiarise with structuring of commercial contracts in gas industry.</li> <li>Identify the regulatory &amp; legal aspects of Indian gas industry</li> <li>Detail trends in Small Scale LNG.</li> </ul>	Course is meant for professionals in Gas/LNG business desirous of gaining insights to gas/LNG contracts. Target group include Business Analysts, Business Developers, legal service providers, Marketing professionals, Gas/LNG/Energy Buyers & Sellers, Commercial Managers, Policy/Regulatory professionals.
LNGA 005	CGD – Foundation Course	17-18, February 2020	INR 40,000/-	<ul style="list-style-type: none"> <li>Overview of CGD, Industry Structure &amp; Pricing – Global &amp; Indian context</li> <li>Regulatory framework, requirements and compliances for CGDs</li> <li>New CGDs- Project Economics, Demand Assessment &amp; Bidding</li> <li>Government policies, imperatives for CNG</li> <li>List CNG business &amp; technical aspects of grid and CNG stations</li> <li>Identify stages in project development and execution of CGDs</li> <li>Describe Technical standards related to City Gas Pipelines and CNG</li> </ul>	Technical and Business executives up to middle level of City Gas Distribution Companies, Consultants, Equipment Service Providers and Pipeline Contractors.
LNGA 001	Fundamentals of LNG & LNG Value Chain	23-25, March 2020	INR 40,000/-	<ul style="list-style-type: none"> <li>List background and developments in the LNG business</li> <li>Define elements of the LNG value chain and specifically regasification terminals</li> <li>List blocks of on-land regasification facilities</li> <li>Identify HSE hazards and methods of prevention/fire fighting of LNG</li> <li>Design elements of a regasification terminal</li> <li>List different types/classification of LNG ships</li> <li>Identify steps involved in LNG ship handling at receiving terminals</li> <li>Enumerate supply – demand dynamics of LNG in global and Indian context</li> <li>List economics of LNG movement by trucks</li> <li>Get first hand feel of an operating terminal</li> </ul>	Managers, engineers, planners, business development professionals, financial analysts, and government regulators involved in the LNG industry. Participants who work with LNG projects, including equipment and service providers, shipping companies and consultants can gain insights into the activities along LNG value chain. Any technical graduate with over 3 years of work experience who is interested in learning about the LNG industry.

**Kindly Note:**

- Programs can be conducted at company site.
- Above mentioned fee is for non-residential domestic participant.
- Residential option available on request, please refer to program brochure for details.
- Fee can be revised without notice and 18 % GST applicable.
- International participants contact on below coordinates for fee and necessary arrangements.

For nominations & enquiry, call +91-484-2757624 or email at [Ingacademy@petronetlng.com](mailto:Ingacademy@petronetlng.com).



**LNG Academy**

by

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