विद्युत मंत्रालय
MINISTRY OF
POWER
सत्यमेव जयते

एन पी टी आई
NPTI
प्रावीण्यं परोपवृत्तिरच

60+ YEARS
THE FUTURE ENERGY LEADERS

NATIONAL POWER TRAINING INSTITUTE

MINISTRY OF POWER, GOVT. OF INDIA

ALAPPUZHA, KERALA

OIL & GAS
INTEGRATED ASSET PERFORMANCE ENGINEERING
(IAPE) COURSE

03-MONTH SPECIALIZED JOB ORIENTED COURSE

In association with Quest Global

www.npti.gov.in/en/kerala nptikerala@gmail.com 0478 2955800

About NPTI

National Power Training Institute NPTI), has been set up by Ministry of Power, Govt. Of India to function as a National Apex body for Human Resources Development in Power Sector with its Corporate Office at Faridabad. NPTI has been providing its dedicated service for more than five decades.

NPTI has trained over 5,00,000 Power Professionals in regular programs over the last 6 decades. NPTI is the world's leading integrated power training Institute. NPTI is the only institute of its kind in the world with such a wide geographical spread and covering a wide gamut of academic and training programs in power sector. NPTI's committed faculty is providing excellent training in the power sector, which is the most important sector among various infrastructure sectors. A number of programs for national as well as foreign customers have been conducted. These programs have benefitted the executives from different organizations. Training provided by NPTI on Power Plant Simulators has improved Plant Load Factor of Generating Units also has increased the availability of Transmission & Distribution System and has decreased Aggregate Technical & Commercial Losses. This in turn is providing more power to the country. Thus, the training being provided by NPTI is having a cascading effect in the growth of GDP and the economy of the country

About NPTI Alappuzha

Established in 2020, NPTI Alappuzha is a premier power-sector training institute spread across 15 acres, with modern infrastructure for skill development in power generation, transmission, distribution, and grid operations. The institute has well-equipped laboratories and advanced simulators for training Technicians, Operators, and Engineers. Its facilities include integrated 210 MW, 500 MW and 800 MW Thermal, 250 MW Hydro, SCADA and Smart Grid simulators, along with dedicated HV Transmission, Protective Systems and HVDC Emulators for hands-on learning. The institute has played a pivotal role in conducting training programs under national initiatives such as PM Surya Ghar: Muft Bijli Yojana and RDSS, supporting the development of a skilled workforce for India's evolving power sector.

About the Location

The state of Kerala, India's most verdant state, rated by National Geographic Traveler as one of the world's 50 must-see destinations, is a paradisiacal landscape of palm-lined beaches, steamy jungles, plantation-covered hills, and tropical rivers and lakes. NPTI, Kerala is located at Pallippuram, near Cherthala railway station in the district of Alappuzha. The venue is well connected with Roads, Rail and by Air. The nearest Airport is Cochin International Airport about 60 Kms away. The venue is at the midway around 35 Kms away from Alappuzha railway junction and Ernakulam railway Junction. Alappuzha or Alleppey, known as the "The Venice of the East" is an entrancing region of awe-inspiring natural beauty with the Arabian Sea on the west and a vast tangle of cerulean lakes, serene backwaters and freshwater rivers. In the recent days, Alappuzha has developed as a major backwater tourist center and is renowned for its pristine beaches, exciting boat races, romantic houseboat holidays and coir industry.

We Energize the People Who Energize the Nation

About Quest Global Engineering Services Private Limited

Quest Global Engineering Services Private Limited is a global, pure-play engineering services company with over 25 years of engineering expertise and a strong presence across more than 20 countries. The company provides end-to-end engineering solutions across the complete product lifecycle, combining expertise in Mechanical, Electrical, Embedded, Software, Digital, Controls, Testing and Automation, Product Lifecycle Management, and Operations & Supply Chain. Quest Global serves leading organizations across key industries including Aerospace & Defence, Automotive, Energy & Utilities, Hi-Tech, Industrial, MedTech & Healthcare, Rail, and Semiconductors. With a focus on solving complex engineering challenges through deep industry knowledge, advanced digital technologies, and multidisciplinary engineering capabilities, Quest Global partners with its clients to accelerate innovation, improve operational efficiency, and deliver safer, smarter, and more sustainable products and solutions.

About the IAPE Course

The **Integrated Asset Performance Engineering (IAPE) Course** is a specialized three-month training program designed to equip engineering graduates with Oil & Gas industry-relevant skills in asset integrity, reliability, operations and maintenance.

Conducted by the **National Power Training Institute (NPTI)** in collaboration with **Quest Global**, the program is designed to bridge the gap between academic learning and the practical requirements of the Oil & Gas industry.

The course focuses on developing the technical understanding and industry readiness required to work with static and rotating equipment, with particular emphasis on their maintenance, reliability and integrity.

Why IAPE?

- ✓ **Industry-aligned curriculum**
- ✓ **Hands-on learning approach**
- ✓ **Exposure to real-world operations**
- ✓ **Expert guidance from NPTI and industry professionals**
- ✓ **Enhanced Employability**

Eligibility

- ✓ **Candidates must have secured a minimum 60% marks throughout academics in B.Tech. / B.E. or its equivalent in Mechanical, Instrumentation branches**
- ✓ **Year of passing: 2024, 2025, 2026**

Duration of the Course : 03 Months

- ✓ **Industry-Focused Learning**
- ✓ **02 Weeks On Job Industrial Exposure Training**
- ✓ **Career Opportunities**

Process Flow

Shortlisting eligible candidate profiles → Online Assessment by Quest Global → Technical & HR Interviews by Quest Global Panel → Final selected candidates 03-month Training at NPTI

NB: Quest Global shall endeavor to offer employment opportunities to candidates who have (i) successfully completed the training program, (ii) obtained a minimum aggregate score of 75% in the training assessments, and (iii) successfully cleared the Quest Global technical interview post training and successful completion of background verification.

Course Focus & Learning Areas

Integrity Engineering
Static & rotating equipment integrity

Reliability Engineering
Reliability concepts and asset performance

Maintenance Engineering
Maintenance practices and strategies

Maintenance Planning
Planning and maintenance readiness

Static & Rotating Equipment
Equipment-focused engineering knowledge

International Standards
Knowledge of relevant international standards

Operations & Maintenance
Operational excellence and maintenance

Facilities Engineering
Facilities-focused engineering roles

Career Opportunities

- ✓ Integrity Engineering
- ✓ Reliability Engineering
- ✓ Maintenance Engineering
- ✓ Maintenance Planning
- ✓ Facilities Engineering

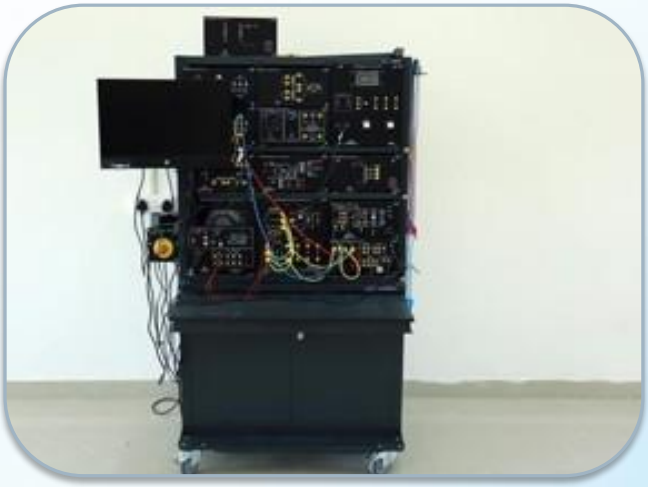
100% placement at Quest Global Engineering Services Pvt. Ltd.

Infrastructure Facilities at NPTI Alappuzha

MULTI FUNCTIONAL SIMULATOR

SMART CLASSROOMS

RENEWABLE ENERGY LAB



SMART GRID LAB

E- LEARNING ROOM

AUDITORIUM

Infrastructure Facilities at NPTI Alappuzha

HOSTEL ACCOMMODATION

DINING / CANTEEN

SPORTS/GAMES

GYMASIUM

GUEST HOUSE

CULTURAL EVENTS

How to Apply

Applications are to be filled online with payment of prescribed Application fee of ₹500/- (including GST). Candidates must pay the application fee in online mode through SBI Collect. Eligible candidates can fill the application form online through the Google form.

Link: https://forms.gle/h4ETnR8zEqYte4Mb9

QR code for the Application form

Course Fee details

1	Course fee	Rs. 1,30,000.00 + 18% GST per participant to be paid at the time of counselling for confirmation of admission.
2	Lodging Charges for 03 months	Rs. 12,000 + 18% GST on twin sharing basis
NB: The mess /canteen charges are extra and is to be paid to the mess contractor directly		

NB: Quest Global shall reimburse the course fee paid by a candidate to NPTI, only in the event such candidate is extended and accepts an offer of employment with Quest Global. The reimbursement of the course fee is to be made directly to the candidate only after successful completion of two (2) years of continuous service with Quest Global.

Payment Mode

THROUGH SBI COLLECT ONLY:

Steps to make the payment to NPTI Alappuzha through State Bank Collect is given below:
1. Visit website https://www.onlinesbi.sbi/sbicollect/icollecthome.htm
2. Search for "NATIONAL POWER TRG INSTITUTE- KERALA" or Select Category as "Educational Institutions" Filter by State and Select "Kerala". Select "NATIONAL POWER TRG INSTITUTE"
3. For mandatory payments by students of NPTI Alappuzha:
All students of NPTI Alappuzha are required to Select Payment Category as "Institute Fee Payment" for making payments of Tuition Fee, Hostel Charges etc.
Fill the details and make the payment to NPTI Alappuzha.

Contact Details

Shri. Rohit R **Faculty/Program Coordinator** **(+91) 9946117430**	**Ms. Athira Krishnan** **Faculty** **(+91) 6238417413**
Shri R. Ramar **Deputy Director/ Program Director** **+91 8610802949**	**Shri K. Muthukumar** **Director** **+91 9443388423**

Important Dates of the Program

Online/Offline Applications starts from	23.09.2026
Last Date of submission of application (Online/Offline)	10.11.2026
Assessment & Interview	12.11.2026
Tentative Commencement of the program	18.11.2026

All correspondence should be addressed to:

Dr. M. Ravichandra Babu
Director/Head of Institute
National Power Training Institute
Pallippuram P.O, Cherthala Taluk, Alappuzha, Kerala-688 541
Phone : +91 0478 2955800 www.npti.gov.in/en/kerala
Email : nptikerala@gmail.com