

Data Center Operations Training Program

Ensure career excellence with this training program

- ▶ Day 1 Get orientation to DC industry- DC Operator
- ▶ Day 2 Know technology in depth- DC Technician
- ▶ Day 3 Know best practices & critical parameters in FMS- DC Engineer
- ▶ Day 4 understand system to sustain best practices- DC Manager

36 hours program for successful career in DC operation

Certified DC operator

Course Description	What you Study	Learning Outcome	Prerequisites
This course provides end-to-end coverage of the mission critical infrastructure systems that support typical data centers and environments with high availability requirements	The course will provide comprehensive coverage of the main Data Center components, principles, standards, data center technology advancements, and latest trends, enabling professionals to perform successfully in DC operation	<ol style="list-style-type: none">1. Learn the data center design & operation principles, language and buzzwords2. Understand data center systems & components3. Data center standards and differentiation4. Learn latest data center trends5. Equipped with sufficient knowledge to take up O&M assignments in DC under supervision	Knowledge about engineering fundamentals & plant operations

Day 1

Session 1

MODULE-1 - INTRODUCTION TO DATA CENTER INDUSTRY

AUDIENCE:

Technical manpower, fresh engineering graduates aspiring for a career in data centre operations industry.

PURPOSE:

To understand the basics of data centre and the data centre industry.

RESULT:

After this programme the trainees will have knowledge about data centre operation industry.

DURATION: 120 MINUTES

Day 1

Session 2

MODULE-2 INTRODUCTION TO DATA CENTRE SUBSYSTEM

AUDIENCE:

Technical manpower, fresh engineering graduates aspiring for a career in data centre operations industry.

PURPOSE:-

To understand about the electrical, mechanical and IT subsystems.

RESULT

After this programme the trainees will have knowledge about data centre subsystems.

DURATION-120 MINUTES

Day 1

Session 3

MODULE-3 INTRODUCTION TO DC OPERATION

AUDIENCE:

Technical manpower, fresh engineering graduates aspiring for a career in data centre operations industry.

PURPOSE:-

To understand about the organization structure and operational requirement in a data centre

RESULT:

After this programme the trainees will have knowledge about data centre operational responsibilities.

DURATION:-120 MINUTES.

Day 1

Session 4

MODULE-3 INTRODUCTION TO DATA CENTRE STANDARDS

AUDIENCE:

Technical manpower, fresh engineering graduates aspiring for a career in data centre operations industry.

PURPOSE:-

To understand about the various data centre standards and its interpretation.

RESULT :-

After this programme the trainees will have knowledge about the data centre standard requirement.

DURATION:-120 MINUTES.

Day 1

Evaluation Session

PURPOSE

To evaluate the trainees and take feedbacks about the content, trainer and training methodology.

PRE REQUISITE

Trainees should attend all 4 sessions of Day -1 DC operators to appear for this evaluation.

RESULT:

Trainees scoring minimum 75 marks will be declared as certified dc operators

Certificate to the effect signed by uptime certified accredited tier specialist will be provided to the participants

Trainees oriented to the DC industry

Trainees understands the challenges, opportunities, skills & expectations from the DC operators & will be mentally equipped to handle the challenges specific to the DC industry.

The certificate will be an entry card for the candidates to the industry

DURATION:-60 MINUTES.

Certified DC Technician

Course Description	What you Study	Learning Outcome	Prerequisites
<p>This course provides indepth coverage of the mission critical infrastructure systems that support typical data centers and environments with high availability requirements.</p>	<p>The course will provide indepth coverage of Data Center components, principles, standards, design philosophies, operational strategies, to enable professionals to perform successfully in DC operation.</p>	<ol style="list-style-type: none">1. Understand about the TIA and Uptime standards and comparison of both standards.2. Understand data center subsystem & components in Data Centre Industry- Power DG, UPS, Cooling Systems, Distribution Paths and Schemes, Fire and Safety Systems, DCIM, schemas & features for business continuity.3. Equipped with sufficient knowledge to take up O&M assignments in DC under supervision.	<p>Certified DC operator</p>

Day 2

Session 1

Module 1: Data Centre Standards.

AUDIENCE:

Technical manpower, fresh engineering graduates aspiring for a career in data centre operations industry.

PRE REQUISITE

To attend this course trainees should be certified DC operators.

PURPOSE:

To Understand about the TIA and Uptime standards and to compare both standards.

RESULT:

After this programme the trainees will have knowledge about operational standards on data centre. (specifically the TIA and Uptime)

Trainees will be able to operate & maintain DC under supervision

Duration: 60+60+30=150 Minutes

Day 2

Session 2

Module 2: Understanding Sub-Systems I

AUDIENCE:

Technical manpower, fresh engineering graduates aspiring for a career in data centre operations industry.

PRE REQUISITE

To attend this course trainees should be certified DC operators

PURPOSE:

To Understand about the various sub systems like DG, UPS, Cooling Systems in DC industry.

RESULT:

After this programme all the trainees, irrespective to the trades will have knowledge about the operational aspects in the DG, UPS, Cooling Systems in data centre.

Trainees will be able to operate & maintain DC under supervision

Duration: 75 Minutes

Day 2

Session 3

Module 3: Understanding Sub-Systems II

AUDIENCE:

Technical manpower, fresh engineering graduates aspiring for a career in data centre operations industry.

PRE REQUISITE

to attend this course trainees should be certified DC operators

PURPOSE:

To Understand about the various sub systems like Distribution Paths and Schemes, Fire and Safety Systems, DCIM in Data Centre Industry.

RESULT:

After this programme the trainees will have knowledge about the operational aspects in distribution Paths and Schemes, Fire and Safety Systems, DCIM in data centre.

Trainees will be able to operate & maintain DC under supervision.

Duration:75 Minutes

Day 2

Evaluation Session

PURPOSE

to evaluate the trainees and take feedbacks about the content, trainer and training methodology.

PRE REQUISITE

to attend this course trainees should be certified dc operators

RESULT

Trainees scoring minimum 75 marks will be declared as certified dc technicians

Certificate to the effect signed by uptime certified accredited tier specialist will be provided to the participants

A certified dc technician will have knowledge about the operational aspects of subsystems in the data center- (electrical, mechanical, IBMS & cabling)

DURATION:- 60 MINUTES.

Certified DC Engineer

Course Description	What you Study	Learning Outcome	Prerequisites
<p>This course provides in depth coverage of the O&M systems for mission critical facilities and environments with high availability & efficiency requirements.</p>	<p>The course will provide in depth coverage of Data Center Operational strategies, to enable professionals to perform successfully in DC operation.</p>	<ol style="list-style-type: none">1. Understand best practices & critical parameters in FMS.2. Understand energy efficient practices in Data Centre operation.3. Understand energy efficiency parameters, Operational Settings, and Operational Sustainability behaviours.4. Capable of providing energy efficiency & sustainability solutions5. Understand the leading principles of sustainability, preparation of documentation required for sustainability.6. Equipped with sufficient knowledge to take up O&M assignments on their own.	<p>Certified DC Technician</p>

Day 3

Session 1

Module 1: Introduction to Energy Efficiency in Data Centre

AUDIENCE:

DC operational staff, fresh engineering graduates aspiring for a career in data centre operations industry.

PRE REQUISITE

To attend this course trainees should be certified DC technicians

PURPOSE:

To Understand about the energy efficient practices in Data Centre Management.

RESULT:

After this programme the trainees will have knowledge about the various energy efficient practices in Data Centre Management.

Duration:120 Minutes

Day 3

Session 2

Module 2: Methods for Energy Efficiency I

AUDIENCE:

Technical manpower, fresh engineering graduates aspiring for a career in data centre operations industry.

PRE REQUISITE

To attend this course trainees should be certified DC OPERATORS

PURPOSE:

To Understand about the energy efficient methods in Operational Parameters, Operational Settings, and Operational Sustainability.

RESULT:

After this programme the trainees will have knowledge about the various methods used for energy efficient practices in Data Centre Management.

Duration:120 Minutes

Day 3

Session 3

Module 3: Methods for Energy Efficiency II

AUDIENCE:

Technical manpower, fresh engineering graduates aspiring for a career in data centre operations industry.

PRE REQUISITE

To attend this course trainees should be certified DC OPERATORS

PURPOSE:

To Understand about the energy efficient methods in design and management of Building Behaviour, O&M, Risk Management Methods, etc.

RESULT:

After this programme the trainees will have basic knowledge about the various methods used for energy efficient practices in data centre management.

Duration:120 Minutes

Day 3

Session 4

PURPOSE

To evaluate the trainees and take feedbacks about the content, trainer and training methodology.

PRE REQUISITE

To attend this course trainees should be certified DC technicians

RESULT

-Trainees scoring minimum 75 marks will be declared as certified DC engineers

Certificate to the effect signed by UPTIME certified accredited tier specialist will be provided to the participants

Certified DC Engineers equipped to do O&M of DC by supervising technicians as per the systems designed by managers

DURATION:-60 MINUTES.

Certified DC Manager

Course Description	What you Study	Learning Outcome	Prerequisites
This course provides in depth coverage of the O&M systems for sustaining high availability & efficiency requirements in mission critical facilities	The course will provide in depth coverage of Data Center Operational strategies, to enable professionals to performing successful O&M in Mission Critical facilities.	<ol style="list-style-type: none">1. Documentation suits in Data centre.2. Capable of controlling operational parameters in DC Operation.3. Capable of sustaining achievements in DC Operation.4. Create documentation required for sustainability.5. Equipped with sufficient knowledge to Manage Data center O&M teams.	Certified DC Engineer

Day 4

Session 1

MODULE 1: DC Manager Level I - Dash boards & Current practices for managers

AUDIENCE:

Data centre operations managers, certified data operations engineers & Facility Managers aspiring to excel in Data centre operations industry.

PRE REQUISITE

To attend this course trainees should be certified DC engineer

PURPOSE:

To Understand how to control operational parameters in DC Operation.

RESULT:

After this programme the trainees will have knowledge on the Managerial dash boards & practices in the data centre.

Duration:120 Minutes

Day 4

Session 2

Module 1: DC Manager Level II – Proactive methods for sustainability

AUDIENCE: Data centre operations managers, certified data operations engineers & Facility Managers aspiring to excel in Data centre operations industry.

PRE REQUISITE

To attend this course trainees should be certified DC engineer

PURPOSE:

To Understand how to sustain achievements in DC Operation.

RESULT:

After this programme the trainees will have knowledge on the proactive techniques & process in data centre.

Duration:120 Minutes

Day 4

Session 3

Module 1: DC Manager Level III– Advanced practices & trends in DC industry

AUDIENCE:

Data centre operations managers, certified data operations engineers & Facility Managers aspiring to excel in Data centre operations industry.

PRE REQUISITE

To attend this course trainees should be certified DC engineer

PURPOSE:

To Understand how to sustain achievements in DC Operation.

RESULT:

After this programme the trainees will have knowledge on the proactive techniques ,trends & process in Data centre operations industry.

Duration:120 Minutes

Day 4

Session 4

DC MANAGER LEVEL III- UPCOMING TRENDS IN DC INDUSTRY

AUDIENCE:

Data centre operations managers, certified data operations engineers & facility managers aspiring to excel in data centre operations industry.

PRE REQUISITE

To attend this course trainees should be certified DC engineer

RESULT

-Trainees scoring minimum 75 marks will be declared as certified DC MANAGER

Certificate to the effect signed by UPTIME certified accredited tier specialist will be provided to the participants

Certified DC Managers will able to provide Operate & Manage DC as per best practices & can device best systems to sustain the best practices

END

