

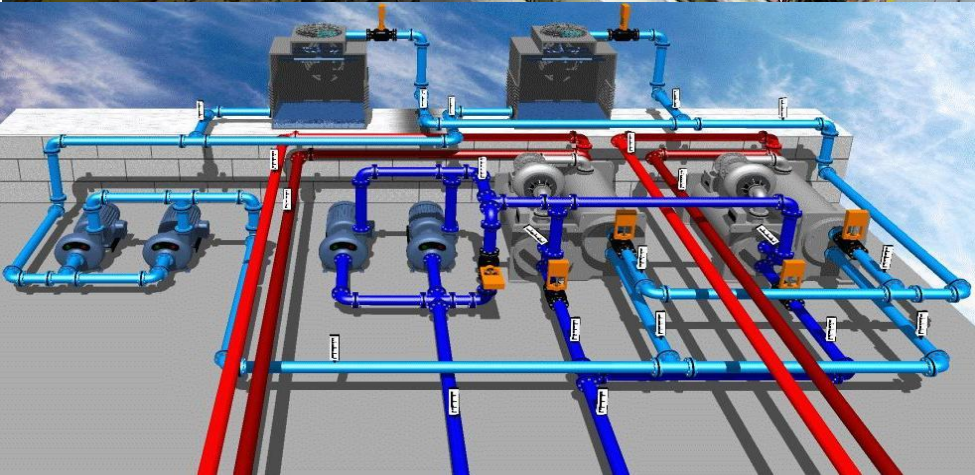


Approved Training Partner
N · S · D · C
National
Skill Development
Corporation

Transforming the skill landscape

2019

Academic Prospectus



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MEP Centre

In a global economic scenario that is constantly evolving, individuals need to continuously reinvent themselves and acquire the requisite competencies to stay ahead. By imparting knowledge that has a blend of global best practices and relevance to emerging economies, the MEP Centre is committed to grooming future MEP leaders.

MEP Centre has consistently featured in the National Top 5 Training Institutes, in the annual MEP Curriculum rankings. This ranking is based, among other factors, on how MEP Centre students have fared in the Industrial world after certification. For MEP Centre, the Education has been growing with each batch. The MEP Centre has associations to ensure that students gain industrial exposure and have the opportunity to interact with industry leaders, entrepreneurs, and faculty from some of the world's leading business and MEP Industries. This makes the MEP Centre one-of-its kind in India.

The industrial-academic linkage ensures that the programme is relevant, international in perspective and delivered according to industrial standards. In the last few years, several dignitaries have visited and recognised the MEP Centre as a centre for course curriculum. The MEP Centre guarantees minimum career interruptions and tremendous saving of opportunity costs through the Academic Programme. In a short span of Programme, students get a thorough understanding of the Industrial Needs and are equipped to take on challenging roles in some of the best companies in the world. Moreover, students become a part of a growing network of over 10,000 alumni who have started making a mark in their chosen careers.



Founded by eminent, efficient and academic leader from the world of MEP, the MEP Centre has lived up to its vision of becoming a global leader in MEP training and service Segments.



Advantage

The MEP Centre is strategically located to create synergies between India, and the global business environment, with a backdrop of MEP thinking and practices from the West and the East. With a unique perspective on the emerging markets, our programmes enable students to capitalise on the opportunities of the global economy.

Learning at the MEP Centre has a pragmatic approach with a clear business focus, valuing individual vision, intellectual discipline, and a sense of teamwork. A high level of corporate input, through discussions and workshops, stimulating business –academic partnerships for teaching and research enable students and faculty to maintain their edge in industry trends.

Best-in-Class Faculty

The faculty at the MEP Centre includes eminent industry intellectuals with research and teaching experience. The distinctive research of our faculty members ensures that our programmes offer content that is contemporary and global in its perspective.

Distinctive Programmes

The MEP Centre has a programmed focus on managing business in fast-evolving environments, with a strong emphasis on entrepreneurship, the impact of technology on MEP, and managing the emerging markets of India. We offer a unique Academic Programme, a Executive Programme in MEP for Senior Executives, Corporate Training Programme for Industries, short-duration Executive workshops for middle and senior management, and a Resource Fellowship Programme.

The MEP Centre works closely with its associate Institutes and academic area leaders to create contemporary programmes that blend core concepts into the MEP context. The corporate-academia programme has shaped the MEP Centre in three ways: it has ensured that the content for our programmes is relevant and well-timed, that it is international in its perspectives, and is delivered at world-class standards.



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Academic Programme

The Academic Programme in MEP and Piping at the MEP Centre are designed to find the leader in you and help develop a strong base for your Technical skills. These critical tools will help you face any challenge in your career.

- ❖ The Academic Programme provides the latest practices and trends in MEP & Piping education with the flexibility to explore different areas of interest.
- ❖ Teaching methods include Industrial expertise, exposure, simulations, group projects, and independent work. Special emphasis is given to team-based learning, to help students become more effective team players and leaders.
- ❖ Students are placed in pre-defined groups and all efforts are taken to have students from diverse backgrounds in a group.
- ❖ A significant part of the MEP training experience includes interactions with achievers from various walks of life, who are invited to participate in seminars, conferences and workshops. Students acquire practical perspectives through interactions with experts from various fields, who share their challenges and draw upon experiences from their organisations, industries, and markets.

At MEP Centre, you can look forward to busy yourself with Executive Programmes, industrial collaborative programs such as the Coffee with experts, real time learning through the MEP Resource Centre, Corporate-academia programme and the other initiatives.



Students acquire practical perspectives through interactions with experts from various fields, who share their challenges and draw upon experiences from their organisations, industries, and markets.



Course Curriculum

The core courses taught in the Academic Programme cover the basics and fundamentals of MEP and piping Industries. Students have a full-time course load of four to five courses, in each of the four core terms. These courses are taught by a combination of expert faculty and those visiting from industrial segments. The following core courses are being offered in every academic year:

Courses Available:

- ❖ HVAC Design & Drafting
- ❖ HVAC Execution
- ❖ HVAC Maintenance
- ❖ Electrical Design & Drafting
- ❖ Plumbing Design
- ❖ Revit MEP
- ❖ AC Technician
- ❖ Electrician
- ❖ Plumber
- ❖ Auto CAD
- ❖ Digital Marketing
- ❖ Process Piping

HVAC Designing & Drafting

Prelude to HVAC

- Fundamentals
- Modes of Heat Transfer
- Sensible Heat and Latent Heat
- Codes and Standards

Basic Components of Air-Conditioning and Refrigeration machines

- Basic Refrigeration System or Vapour Compression Cycle
- Pressure – Enthalpy Chart
- Function & Types of compressor
- Function & Types of Condenser
- Function & Types of Expansion Valve
- Function & Types of Evaporator
- Accessories used in the System
- Refrigerant and Brines

Classification of Air-Conditioning System

- Window A/C
- Split A/C
- Ductable Split A/C
- Variable Refrigerant Volume (VRV)/Variable Refrigerant Flow (VRF)
- Ductable Package A/C
- Package Roof Top Units
- Central Plant Chill Water System

Categories of Air Conditioning

- All air system
- All water system
- Air - water system
- Direct Refrigerant system

Study of Psychometric Charts

- Dry Bulb Temperature
- Wet Bulb Temperature
- Dew point Temperature
- Relative Humidity
- Humidity Ratio
- Processes
- Heating
- Cooling
- Cooling and Dehumidification
- Heating and Humidification
- Finding Values Using the Chart

Load Calculation

- Survey of Building
- Cooling Load Steps



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HVAC Course

HVAC Course offers core curriculum covering with topics like fundamentals, cooling load & heat loss calculations, central heating system design, air distribution system design, chilled water system design, chilled water piping design, commercial ventilation system design, kitchen ventilation system design, VAV system design, and equipment selection with live projects.



- Finding Temperature difference(ΔT) (Wall, Glass, Roof , Partition)
- Finding 'U' Factor (Wall, Glass, Roof, Partition)
- Finding Ventilation requirement for IAQ
- Load Calculations (Manually using E-20 form)
- ESHF, ADP & Air Flow Rate(CFM) Calculation

Air Distribution System

- Duct-Definition & Terminology
- Duct Design Consideration
- Duct Sizing Methods
- Duct sizing as per Aspect Ratio
- Finding Duct size using Ductulator
- Calculation of Number of sheets for Duct
- Gauge selection for Sheet Metal
- Bill of Materials for Duct Network
- Legends and symbols used in the HVAC Industry
- Selection of Diffusers and Grilles
- Duct materials and insulation materials used in HVAC Industry
- Study of Overseas Drawings
- Duct Routing - Preparation of single line diagram (SLD)
- Preparation of Layouts (Double line Diagram - DLD) as per SMACNA rules
- Openings for Ducts passing through Wall
- Sectional Drawing @ Duct supports
- Concept of CAV & VAV

Static Pressure Calculation

- Selection of Motor HP
- Selection Fan/Blower RPM

Hydronic System

- Classification of Water Piping
- Pipe sizing for chill water system
- Fittings used in the HVAC piping System
- Valves used in the HVAC piping System
- Function of Valves
- Openings for CHW pipes passing through Wall
- Sectional drawing @CHW pipe supports
- Pump Head Calculation
- Selection of Pump

Air Conditioning Concepts

Fire Protection (Awareness)

HVAC software's

- XL sheet for Load Calculation
- Carrier Block Load for Load Calculation
- Duct sizer for Duct sizing
- Pipe sizer for Pipe sizing



HVAC Course

HVAC Course offers core curriculum covering with topics like fundamentals, cooling load & heat loss calculations, central heating system design, air distribution system design, chilled water system design, chilled water piping design, commercial ventilation system design, kitchen ventilation system design, VAV system design, equipment selection with live projects.



- Psychrometry Software

Project Work

Two live projects have to be completed before getting the certificate and Placement Assistance

Technician Courses:

Field Technician AC Level – 4

Course Duration: 45 Days

Eligibility Criteria: Min. SSC & College dropouts

Age : 18 - 35 Years

Electrician Level – 1

Course Duration: 45 Days

Eligibility Criteria: Min. SSC & College dropouts

Age : 18 - 35 Years

Electrician Level – 3

Course Duration: 45 Days

Eligibility Criteria: SSC with 5 years of Experience

Age : 18 - 35 Years

Plumber Level – 1

Course Duration: 45 Days

Eligibility Criteria: 5th Class with 6 months of Experience

Age : 18 - 35 Years

Plumber Level – 2

Course Duration: 45 Days

Eligibility Criteria: 5th Class with 1Year of Experience

Age : 18 - 35 Years

Plumber Level – 3

Course Duration: 45 Days

Eligibility Criteria: 5th Class with 3 Years of Experience

Age : 18 - 35 Years

All certificates given by respective skills sector councils which are under

**NSDC
&
Ministry of Skill
Development &
Entrepreneurship**



If you want to help any school and Engineering college dropouts, Please ask him to give a call to

**Hyderabad:
9908080813**

**Delhi:
8882130270**

**Mumbai:
9136399359**

**Cochin:
9745554270**

**Guntur:
7093001118**

**Chennai:
9087680813**

**Bangalore:
9606180180**



Authorised Training Partner

NSDC (National Skill Development Corporation)



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ESSCI (Electronic Sector Skills Council of India)



CSDCI (Construction Skill Development Council of India)



IPSSC (Indian Plumbing Skills Council)



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**प्रधानमंत्री कौशल विकास योजना
PRADHAN MANTRI KAUSHAL VIKAS YOJANA**



Programme Calendar

At Hyderabad Branch

HVAC Design & Drafting	: 6 th of Every month & 21 st of Every month
Electrical Design & Drafting	: 6 th of Every month & 21 st of Every month
Plumbing Design	: 6 th of Every month & 21 st of Every month
AC Technician	: 1 st of Every month & 16 th of Every month
Electrician	: 1 st of Every month & 16 th of Every month
Plumber	: 1 st of Every month & 16 th of Every month
Auto CAD	: 7 th of Every month & 22 nd of Every month
Digital Marketing	: 1 st of Every month & 16 th of Every month

At Delhi Branch

HVAC Design & Drafting	: 6 th of Every month & 21 st of Every month
HVAC Execution	: 1 st of Every month & 16 th of Every month
Electrical Design & Drafting	: 6 th of Every month & 21 st of Every month
Plumbing Design	: 6 th of Every month & 21 st of Every month
AC Technician	: 1 st of Every month & 16 th of Every month
Electrician	: 1 st of Every month & 16 th of Every month
Auto CAD	: 7 th of Every month & 22 nd of Every month

At Mumbai Branch

HVAC Design & Drafting	: 6 th of Every month & 21 st of Every month
Electrical Design & Drafting	: 6 th of Every month & 21 st of Every month
Plumbing Design	: 6 th of Every month & 21 st of Every month
Auto CAD	: 7 th of Every month & 22 nd of Every month

At Bangalore Branch

HVAC Design & Drafting	: 6 th of Every month & 21 st of Every month
Electrical Design & Drafting	: 6 th of Every month & 21 st of Every month

Plumbing Design : 6th of Every month & 21st of Every month

At Cochin, Kerala Branch

HVAC Design & Drafting : 6th of Every month & 21st of Every month

HVAC Execution : 1st of Every month & 16th of Every month

HVAC Maintenance : 1st of Every month & 16th of Every month

Electrical Design & Drafting : 6th of Every month & 21st of Every month

Plumbing Design : 6th of Every month & 21st of Every month

At Guntur Branch

HVAC Design & Drafting : 6th of Every month & 21st of Every month

Electrical Design & Drafting : 6th of Every month & 21st of Every month

Plumbing Design : 6th of Every month & 21st of Every month

AC Technician : 1st of Every month & 16th of Every month

Electrician : 1st of Every month & 16th of Every month

Plumber : 1st of Every month & 16th of Every month

Auto CAD : 7th of Every month & 22nd of Every month

At Chennai Branch

HVAC Design & Drafting : 6th of Every month & 21st of Every month

HVAC Execution : 1st of Every month & 16th Every month

Electrical Design & Drafting : 6th of Every month & 21st of Every month

Plumbing Design : 6th of Every month & 21st of Every month

AC Technician : 1st of Every month & 16th of Every month

Electrician : 1st of Every month & 16th of Every month

Auto CAD : 7th of Every month & 22nd of Every month

More Details Please Contact:

Hyderabad : 9908080813 Delhi : 8882130270 Mumbai : 9136399359
Cochin : 9745554270 Guntur : 7093001118 Chennai : 9087680813
Bangalore : 9606180180

www.mepcentre.com or mail to info@meptrainings.com

Branches are opening shortly:

Bhubaneswar and Indore.

Programme Enrolment

The MEP Centre helps you reinvent your career. If you are looking for the catalyst that will help you switch careers or enhance an existing career path, then the MEP Centre is the right place for you. It offers you the Academic Courses, which is unique, comprehensive and, global in its outlook. If you have the drive and vision, the MEP Centre can provide you with the experience, knowledge, and skills you need to take your career to the next level in the space of an academic course.

At the MEP Centre, we take in the best of applicants who can contribute to the diversity of the class and thereby, add to the overall learning experience. We look to recruit students from a variety of backgrounds, nationalities, education and work experiences, to create a vibrant and diverse learning environment.

To be eligible for admission, you must meet the following requirements:

- ❖ 3 Passport size photos
- ❖ Government of India Issued ID Card (Passport or Aadhar Card)
- ❖ Address proof
- ❖ Copies of Educational Certificates

Placement Assistance:

1. Interviews will be provided across India & Aboard
2. Pre-requirement to get placement assistance will be passing exam conducted, completing the project work and submitting project report to faculty.
3. Fresher's CV would be shared with around 200+ clients.
4. Candidates who fail in multiple interviews will be counselled and advised to find areas of improvements.
5. Will share client requirements via facebook also
(www.facebook.com/mepcentre)

Administrative Office:

Dhanush EnggServices India Pvt Ltd,
H.No:6-3-788/A/9,Durga Nagar Colony, Ameerpet,
Hyderabad, AP, India.

Training Campus:

Dhanush EnggServices India Pvt Ltd,
2nd Floor, H.No:6-3-788/A/12,
Durga Nagar Colony, Ameerpet,
Hyderabad, AP, India.

Dhanush EnggServices India Pvt Ltd,
2nd Floor, Lenin Building,
Bagyanagar colony,
Hyderabad, Telangana, India-500072

Dhanush EnggServices India Pvt Ltd,
Safa Arcada, Shop Number-221, 1st Floor, Above Axis
Bank, Opp Pillar No:15, Mehdipatnam, Hyderabad,
Telangana Pin:500028.

Dhanush EnggServices India Pvt Ltd,
D-247, 2rd Floor, Above Jindal cloths,
Behind Metro Gate No.1 Lane
Laxmi Nagar, New Delhi-110092

Dhanush EnggServices India Pvt Ltd,
307, 3rd Floor, Hari Om Plaza,
M.G. Road, Near Omkareshwar Mandir,
Borivali East, Mumbai Pin:400066

Dhanush EnggServices India Pvt Ltd,
123, 3rd Main, 3rd Cross,
80 Feet Road, SBM Colony, Nagendra Block,
Banashankari - Stage I, Bengaluru,
Karnataka Pin:560050

Dhanush EnggServices India Pvt Ltd,
No:65/3997 Veluthamana Building,
Near Seiken East End, Ponoth Road,
Kaloor, Cochin, Kerala Pin:682001

Dhanush EnggServices India Pvt Ltd,
H.No. 12-21-31, Ist Floor,
Old Bank Road,
Above Shankar motors
Kothapeta, Guntur Pin :522001

Dhanush EnggServices India Pvt Ltd,
#11,82nd Street,16th Avenue,Ashok
Nagar,Chennai,Tamilnadu,Pin-600083

For Admissions:

Register at www.mepcentre.com
or mail to info@meptrainings.com



Careers Day

The Career Day is a crucial opportunity not to be missed. Esteemed firms will be attending this event to recruit the best students MEP Centre has to offer.

This will be your chance to make the first leap into your career path.

