**

*Dear Candidate,*

# Greetings from Magnova Technologies

We feel proud to introduce MAGNOVA Technologies as one of the leading HVAC and Technology driven Company involved in various HVAC, BMS, IBMs, Telecom, Cybersecurity and Networking based projects in India. MAGNOVA Technologies is a global solution provider of HVAC, BMS, IBMS, Telecom, Cybersecurity and Networking. We provide solution for HVAC, BMS, IBMS, Telecom, Cybersecurity and Networking in India.

# Why MAGNOVA Technologies?

MAGNOVA Technologies has achieved highest placement scopes for its students in MNCs. Our exhaustive coverage of technology together with practical implementations helps the students in becoming Future ready & steady to face the challenges of emerging Next-Generation technocrats. We are expert, experienced and independent training organization in improving the quality of engineering graduates by providing 100% job guarantee. All the technical courses are conducted by senior industry experts and engineering professionals with many years of practical experience and are capable of imparting knowledge in an effective manner. We are the group of experts, with experience of many years in HVAC, BMS, IBMS, Telecom, Cybersecurity and Networking.

# MAGNOVA Technologies Work Profile

Magnova was started with an objective of being a Technology Leader and Total Integrated Training Solution Provider. Magnova Engineers is a leading HVAC, BMS, IBMS, Telecom, Cybersecurity and Networking company driven with latest and innovative technologies catering to the IT, Telecom, energy, efficiency, process and automation industries. With world class products and excellent technology training services.

# Why to join MAGNOVA Technologies

India’s number 1 HVAC, BMS, IBMS, Telecom, Cybersecurity and Networking Training Company

* 100% Placement guarantee.
* Best Faculties/Trainers from industry.
* Aptitude, Personality Development & Group Discussion Classes.
* 100% placement record.
* Special guest lecturers from HVAC, BMS, IBMS, Telecom, Cybersecurity and Networking Industry.
* More than 200 + clients.
* An ISO Certified company.
* More than 400+ recruitments.
* INDIA'S best in segment of HVAC, BMS, IBMS, Telecom, Cybersecurity and Networking.
* Employees working on PAN INDIA Location.
* Authorized Vendors with leading companies in INDIA like Bluestar, Voltas, Sterling and Wilson, Airtel, Ericsson, TCS and many more.
* Diversified Workplace environment.

# Prospect for the student

Training through India’s Best HVAC, BMS, IBMS, Telecom, Cybersecurity and Networking ‘’MAGNOVA Technologies”

* MAGNOVA Technologies certified Training Certification
* We also arrange personality development & group discussion classes for the candidates. We also help our students to build their professional CV.
* With workshops by industry experts, students get the real view of the industry More Practical insights by trainers.
* Live Projects you can show it to your Prospective Employer.
* Practical Approach driven Training in latest technologies.
* 100% Placement guarantee.

Our vision is:

“To become a center of excellence in the fields of Design, Communication and related emerging areas in Education, training distribution, Research and development comparable to the best in the world by adhering to the values, ethos, and highest level of quality and by establishing a well-defined interlink among the above areas”.

# Who Can Be Benefitted?

* Fresh engineering graduates.
* Engineering students (Bachelor Of Engineering, Bachelor Of Technology, Bachelors Of Computer Applications) looking for summer/winter trainings, semester projects, thesis development in wireless technologies.
* Engineers (in any field/domain), interested in developing career in Telecom industry.
* Engineers working in telecom industry, interested in enhancing skill sets in latest technologies.

# Program Details:

# MAGNOVA has total of six Programs:

# These programs are very much essential for the engineers in engineering field. These programs are specially designed for freshers. After the successful completion of this program, candidate will achieve the full knowledge in respective fields.

## MAGNOVA CERTIFIED HVAC ENGINEER.

# HVAC DESIGNING & DRAFTING

## **Module 1**

# Introduction to HVAC.

* Basic Fundamentals about HVAC.
* Heat Transfer Concepts.
* Modes of Heat Transfer.
* Basic properties of the air.
* Types of Heats around in room.
* Applications of HVAC industry used in different fields.
* Conversions of all Dimensioning systems.
* Units of all Designing systems.

[**Module 2**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643307372-7e33fd42-01ca)

# Psychometry

* Identifying Psychrometric chart.
* Identifying psychrometric values like Dry bulb Temperature, Wet bulb Temperature, Relative Humidity, Humidity ratio, Dew point Temperature Enthalpy.
* Calculations on psychrometric Chart.
* Finding the values of sensible heating, sensible cooling, Humidification and Dehumidification.
* Process of cooling-Humidification and Heating-Dehumidification.

[**Module 3**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643305644-f90b814b-33c3)

# Basic Components of Air-Conditioning and Refrigeration machines.

* Basic Refrigeration System or Vapor Compression Cycle.
* Working process of all components in refrigeration system like compressor, condenser, expansion valve and condenser
* Pressure – Enthalpy Chart for Refrigeration cycle.
* Accessories used in HVAC System.
* Process of pressure testing in Refrigeration system

[**Module 4**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643304228-18a719a4-c83a)

* Learning about Refrigerants
* Properties of refrigerants
* Temperature of refrigerants like Boiling point and melting point temperatures.
* Applications of Refrigerants.

[**Module 5**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643302621-1851818b-fbf0)

# Classification of Air-Conditioning System.

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

[**Module 6**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643300132-6a9529c2-04ff)

# Categories of Air Conditioning.

* Classifications of Air conditioning systems and their equipment’s.
* Classifications of HVAC systems.
* All air system
* All water system
* Air – water system
* Direct Refrigerant system

# Heat Load Calculations.

* Survey of Building
* 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

[**Module 7**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643298780-bac16f22-16a0)

# Air Distribution System.

* Duct-Definition
* Duct designing using Methods ; (Velocity Reduction method, Equal Friction method, Static Regain method).
* 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/li>
* Selection of Diffusers and Grilles
* Duct Routing – Preparation of single line diagram (SLD)
* Preparation of Layouts (Double line Diagram – DLD) as per SMACNA rules

[**Module 8**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643297948-bc8a7f4e-dd09)

# Static Pressure Calculation.

* Selection of Motor HP
* Selection Fan/Blower RPM

[**Module 9**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643296925-0928089e-9e06)

# Chiller piping System.

* Classification of Water Piping
* Pipe sizing for chill water system
* Pump Head Calculation
* Selection of Pump

[**Module 10**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643295717-a153ad3c-c955)

# HVAC software’s.

* XL sheet for Load Calculation.
* XL sheet for Static Pressure.
* XL sheet for Bill of Quantity.
* Duct sizer software for Duct sizing
* Psychrometry Software

[**Module 11**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643292302-83febbd0-0013)

# Ventilation.

* Commercial kitchen ventilation
* Car parking ventilation
* Toilet ventilation
* Stair case pressurization

[**Module 12**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643288796-7b4a8145-ba77)

* HVAC Design Project on Auto-Cad.
* Chiller Design Project on Auto-Cad
* Rivit Drawing

[**Module 13**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643288796-7b4a8145-ba77)

* Live Demo
* On Site Training
* Campus Interview and placement

## MAGNOVA CERTIFIED IBMS ENGINEER.

## IBMS Basic & Designing**.**

[**Module 1**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643307372-7e33fd42-01ca)

# Introduction to IBMS.

* Why BMS.
* Basic Idea on BMS and IBMS.
* Basic functionality of BMS.
* Overview on services come under IBMS..

[**Module 2**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643307372-7e33fd42-01ca)

# Complete Knowledge on IO points

* What are IO points and its importants.
* Relationship between BMS and IO points/summary.
* Concept on Analog/Digital Input/Output points.
* Identification of Analog/Digital Input/Output points
* Preparing IO summary.

[**Module 3**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643305644-f90b814b-33c3)

# Complete Knowledge on Protocols

* Role of Protocols in BMS.
* Types of Protocols
* Technical Specification of each protocol.
* Communication media of each protocol.
* Basic knowledge on Protocol conversions

[**Module 4**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643304228-18a719a4-c83a)

# Complete Knowledge on BMS component – Field Sensors and devices

* Types of sensors and its uses
* Connection and communication of the field sensor..
* Third party field devices for monitoring and controlling
* Input and output voltage/current requirement of field devices

[**Module 5**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643302621-1851818b-fbf0)

# Complete Knowledge on BMS component – DDC Controllers

* Basics of DDC controller
* DDC controller uses and Working
* Functionality of DDC controller
* DDC controller selection
* DDC controller power requirements and safety procedures.

[**Module 6**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643300132-6a9529c2-04ff)

# Complete Knowledge on BMS component – BMS Graphical Software

* Software Functionality.
* Graphics development.
* Points integration
* Software Selection based on points/project
* Extracting data on software
* Readable and writeable data

[**Module 7**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643298780-bac16f22-16a0)

# Complete Knowledge on BMS Architecture

* What is BMS Architecture?
* Consideration for designing BMS Architecture.
* Importance of BMS Architecture in project execution
* Designing BMS Architecture

[**Module 8**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643297948-bc8a7f4e-dd09)

# BMS SYSTEM INSTALLATION.

* INSTALLATION BASICS, BMS FLOW &CONTROL DRAWINGS
* SEQUENCE OF OPERATION, PROJECTS PRESENTATION MINS OF MEETING
* SYS INSTALLATION FOLLOWUPS, ASSIGNING THE RESOURCE TO SITE WORK
* COMMISSIONING DOCUMENTATION, PREPARING METHOD OF STATEMENT
* O&M MANUALS, HANDING OVER DOCUMENTATIONSICS
* TRAINING DOCUMENTATION

[**Module 9**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643296925-0928089e-9e06)

# BMS SYSTEM DESIGN, PROJECTS ENGINEERING & MANAGEMENT.

* SITE SURVEY, SYS ESTIMATION SPECIFICATION COMPLIANCES
* PREPARATION OF I/OS SEQUENCE, DESIGN SEQUENCE OF OPERATIONS
* PROJECT COSTING &COST ESTIMATION ASSEMBLY DESIGNING THE SYSTEM (FLOW DIAGRAMS)
* SIZING &SELECTION OF SYSTEM COMPONENTS (VALVE CALCULATIONS, PD calculations, VAVs)
* DDC PROGRAM / OWS PROGRAMING , MS PROJECT SOFTWARE TRAINING
* PROJECT PLANING / IMPLEMENTATION TECHNICS, PROJECT BUDGETING & FINANTIAL ASPECTS, RESOURSES ALLOCATION TECHNICS
* VALUE ENGINEERING PROCURENT FOCUS/PARCHASE ORDERS / FOLLOWS UPS
* CONTRACT TERMS & DOCUMENTATION, SUBCONTRACTERS &OUT SOURCING
* CO-ORDINATORS WITH CLIENTS/CONTENTS , CO-ORDINATORS WITH SUBCONTRACTORS AND SUBSYSTEM PROVIDORS/SUPPLIERS

[**Module 10**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643295717-a153ad3c-c955)

# BMS SYSTEM TESTING COMMISSIONING.

* BASICS OF DDC I/O CONFIGURATION, BUILDING CONTROL & DDC PROGRAMMING
* SIMULATION OF SOFTWARE .OFFLINE SIMULATION . ONLINE SIMULATION
* DOWNLOADING & UPLOADING, COMMUNICATION TECHNICS &TECHNOLOGY
* STANDARD COMMUNICATION PROTOCOLS, CONCEPTS OP OPEN SYSTEM ARCHITECTURE
* BACNET/LONWORK /MODULES /EIB SYSTEM, PRE COMMISSIONING TECHNICS
* BASICS SAFETY RULES &STANDARD
* SUB SYSTEM CO ORDINATION FURNISHING COMMISIONING CHECK LIST FINAL COMMISSIONING.
* Field Instruments : Solenoid Valves, Control Valves, Actuator, Sensors, Transmitters Etc.
* VFD : ABB (Variable Frequency Drive).
* HMI : DELTA (Human Machine Interface).
* Relay Logics : Relay logic Wiring & Design
* CPW & D : Control Panel Design & Wiring, MCC Panel (DOL, Star-Delta)
* Soft Skill Training : Effective Self Introduction, Group Discussion, Presentation, Mock Interview & Resume writing E

**[**Module 11**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643292302-83febbd0-0013)

# Basic Knowledge on IBMS Equipment

* CCTV
* ACCESS controls
* Fire Alarm System
* Rodent System
* WLD

[**Module 12**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643288796-7b4a8145-ba77)

# Basic Knowledge on IOT Solution

* What is IOT Solution
* IOT Future
* Benefits of IOT

[**Module 13**](https://www.alpinecoachtree.com/course/hvac-training-in-bangalore/#1470643288796-7b4a8145-ba77)

* Live Demo
* On Site Training
* Campus Interview and placement

# Course Fees-

1. MAGNOVA CERTIFIED HVAC ENGINEER. + MAGNOVA CERTIFIED IBMS ENGINEER- 75,000 +18% GST. ( With 100% job Guarantee). Course Duration-3 Months.
2. MAGNOVA CERTIFIED HVAC ENGINEER- 45,000/-+ 18%GST (With 100% Job Assistance). Course Duration-2 Months.
3. MAGNOVA CERTIFIED IBMS ENGINEER- 45,000/-+ 18%GST (With 100% Job Assistance) Course Duration- 1 Months.

# 3)MAGNOVA CERTIFIED CYBERSECURITY ENGINEER.

**Graphical user interface, text, application, email

Description automatically generated**

**Text

Description automatically generated**

**Text

Description automatically generated**

## Course Fees- INR 1,15,000/-+18% GST.

## Course Duration- 3 Months.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4) MAGNOVA CERTIFIED TELECOM INFRASTRUCTURE ENGINEER (MCTIE)  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | PROGRAM STRUCTURE  |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.NO.** | **Training Description** | **Eligibility** | **Training Cost** | **Certification** | | **1** | **Topics To Be Covered** | **B.Tech/BE/Diploma Fresher’s in ECE/TE/EEE/CSE/IT.(Only Boys candidates are eligible).** | **Rs. 42950 (GST @18% Extra).** | **MAGNOVA CERTIFIED TELECOM INFRASTRUCTURE ENGINEER.(MCTIE)** | |  | ***Telecom Industry And Project Flow*** | |  | ***Cells And Types Of Cells*** | |  | ***Tower Architecture*** | |  | ***Telecom Technologies*** | |  | ***GSM Antenna Properties*** | |  | ***Communication & Types, Switching & UID Codes*** | |  | ***GSM Architecture*** | |  | ***GSM Channels*** | |  | ***GSM Call Flow ( Local, STD & ISD )*** | |  | ***Handovers, Alarms, OMC & NOC*** | |  | ***2G CDMA ( Complete)*** | |  | ***WCDMA ( Complete), Summary Of Generations*** | |  | ***SC, OFC And Reasons To Operate on -Ve Voltage*** | |  | ***Introduction to 4G and 5G technologies.*** | | **2** | **Topics To Be Covered** | |  | ***Intro To Module-2, BTS Types, Configuration Of BTS*** | |  | ***Introduction To Survey, Types & RND (New Site) Survey*** | |  | ***Sharing Site, 3G Site Survey*** | |  | ***TND Survey*** | |  | ***EMF Survey And Sample Check List Distribution*** | |  | ***BTS Survey*** | |  | ***Intro To I&C, Types & Microwave I&C*** | |  | ***Video Classes on I&C*** | |  | ***BTS I&C*** | |  | ***IBS I&C, Wi-Fi Installation*** | |  | ***Wi-MAX I&C*** | |  | ***How To Use GPS & Magnetic Compass*** | |  |  | | **3** | **Topics To Be Covered** | |  | ***Introduction To Drive Test, Types And Modes (TEMS Intro)*** | |  | ***2G GSM DT (How to Do), Window Parameters*** | |  | ***Analysation of DT (HO Issues & Swapping)*** | |  | ***2G CDMA DT (Parameters)*** | |  | ***3G (WCDMA) DT*** | |  | ***N/W Planning & Optimization*** | |  | ***4G Installation*** | |  | ***Introduction to 5G.*** | |  | ***Site Exposure Depending upon project Availability*** | |  | ***100% Guaranteed job*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 5) MAGNOVA CERTIFIED NETWORK ENGINEER. (MCNE)Program Details.  |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl. No.** | **Training Description** | **Eligibility** | **Training Cost** | **Certification** | |  |  | **B.Tech/BE/Diploma Fresher’s in ECE/CSE/IT.(Both Boys & Girls candidates are eligible).** | **Rs 42950. ( GST @ 18% Extra).** | **MAGNOVA CERTIFIED NETWORK ENGINEER.(MCNE)** | |  | **Hardware** | |  |  | | **1** | **Introduction to Computer, Processor and Primary Storage Devices** | | **2** | **Motherboard and Secondary Storage Devices** | | **3** | **Partition, Formatting and Basics of Networking** | | **4** | **OSI Layers** | | **5** | **IP Addressing** | | **6** | **Subnettting** | |  |  | |  | **CCNA** | |  |  | | **7** | **Introduction to Cisco Certifications, External and Internal Components** | | **8** | **WAN Technologies and Routing** | | **9** | **Static Routing** | | **10** | **Dynamic Routing and RIP** | | **11** | **OSPF** | | **12** | **EIGRP** | | **13** | **Access Control List** | | **14** | **Switching, VLAN and Trunking** | | **15** | **Inter-VLAN Routing** | | **16** | **Port-Security** | | **17** | **VLAN Trunking Protocol (VTP)** | | **18** | **Wireless LAN** | | **19** | **IPv6** | | **20** | **Network Address Translation** | | **21** | **Frame-Relay** | | **22** | **Backup & Restore** | | **23** | **Password Recovery** | | **24** | **Revision Classes** | | **25** | **100% Job Guarantee** |  6) MAGNOVA CERTIFIED AUTOCAD ENGINEER. (MCAE)  |  |  |  |  | | --- | --- | --- | --- | | DAY | CHAPTER | TOPICS | HOURS | | DAY 1 | INTRODUCTION OF AUTOCAD | AutoCAD versions  Interface | 1 | | DAY 2 | Control the Drawing CHANGE VIEWS | Function keys AutoCAD basics | 1 | | DAY 3 | Cartesian coordinate system | ABSOLUTE COORDINATE SYSTEM  RELATIVE COORDINATE SYSTEM | 1 | | DAY 4 | Draw commands | Line command Poly line command  Rectangle command | 1 | | DAY 5 | Modify commands | Move ,Rotate, Scale, copy,  Mirror, erase, trim, extend | 1 | | DAY 6 | Annotate Dimension Style Manager | Linear, Aligned, Radius Angular, Arc length | 1 | | DAY 7 | Text command Layers  blocks | Single line text Multiline text Layer properties  Insert blocks | 1 | | DAY 8 | Parametric | Geometric, Dimensional Manage | 1 | | DAY 9 | Isometric views | Isometric top, left, right  Isometric diagrams | 1 | | DAY 10 | Isometric drawings | Isometric diagrams exercise | 1 | | DAY 11 | 2D Fundamentals | Drawing units Sheet settings | 1 | | DAY 12 | Mechanical  diagrams | knuckle joint | 1 | | DAY 13 | 2d drawings | Idler plate  Hook drawing | 1 | | DAY 14 | 2d diagram | fork | 1 | | DAY 15 | Create and Save Auto CAD | Save files Export pdf plot | 1 |  Course Fees- INR 15,000+ 18% GST.Duration- 1 monthHow To Register You can register yourself by visiting our office or even through online portal provision available at our website- **www.magnovatech.com**Our Address: Office: Hyderabad  MAGNOVA ENGINEERS LLP.  Office no-119, 1st Floor, Block-3, White House,  Begumpet, Hyderabad, Telangana, India.500016  MOB: 9390184507/9390265417  Email Id- **info@magnovaengineers.com** Our Testimonials We always try our best to keep our trainees happy and satisfied with our training and services. Here are some of our trainees’ testimonials:  MAGNOVA is INDIA's pioneer technology training organization its presence across the country. MAGNOVA over the years has mastered the training delivery process and its flair on imparting education is impeccable. Also, MAGNOVA has successfully maintained standards in terms of ambience, infrastructure and courseware across all its centers. MAGNOVA has the industry's most genuine placement promise. As a part of the same, whosoever enrolls for any of the career courses is given a placement guarantee from the organization.   1. A comprehensive organization to learn Cybersecurity from. Excellent labs to work on, which helped me gain hands on experience along with excellent training. The placement cell also offers the best industry packages. It's the right choice for starting your career.   Syed Faiz,  Etisalat Telecom, Dubai, Cyber Security Engineer.   1. I joined MAGNOVA for Cyber Security networking, My experience in MAGNOVA was very good, first they provided training on basic and then on core networking, faculties at MAGNOVA are very good, I got placement in Dell & I am enjoying my job. Dinesh Sindhe,   Dell, Cyber Security, Engineer.   1. MAGNOVA TECHNOLOGIES, well the name itself is enough in the industry circles because it is synonymous with quality. It is a very good platform to give jump start to your career. Placement cell in MAGNOVA is quite good. They really make efforts to place you and they do a very good job at it." Syed Riyaz Basha Infotech Solution, RF Survey Engineer. 2. I came to know about MAGNOVA TECHNOLOGIES from my friends. All three of them had done Telecom Infrastructure course from MAGNOVA and got a good job opportunity. I was also excited about taking the experience of MAGNOVA and believe me it has been a wonderful experience. The Unified Communication course included Lab training, On Job Training and Soft skills and gave me a good Job opportunity at Infotech Solution. S. Sudharshan Reddy, Infotech Solution, RF Engineer. 3. "MAGNOVA, well the name itself is enough in the industry circles because it is synonymous with quality. It is a very good platform to give jump start to your career. Placement cell in MAGNOVA is quite good. They really make efforts to place you and they do a very good job at it." Vandana Pandey, Wipro Infotech, Network Admin   And Many More……… Some of Our Placements:  |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl NO** | **NAME** | **COMPANY NAME** | **LOCATION** | **DESIGNATION** | | **1** | **Rashid Ali** | **Infinite Computer Solution** | **Hyderabad** | **Support Engineer** | | **2** | **Karthik Koveru** | **TCS** | **Hyderabad** | **Cybersecurity Engineer.** | | **3** | **Bharath Reddy** | **Flextronics Technologies** | **Hyderabad** | **Support Engineer** | | **4** | **Dinesh Shinde** | **Dell** | **Bangalore** | **Cyber Security Engineer** | | **5** | **Syed Faiz** | **Etisalat Telecom** | **Dubai** | **Cyber Security Engineer** | | **6** | **Lokesh M** | **Copart** | **Hyderabad** | **Support Engineer** | | **7** | **NAVEEN PATNAYAK** | **GCL** | **PUNE** | **O & M ENGINNER** | | **8** | **J.CHANDRA SEKHAR** | **HCL** | **PUNE** | **NETWORK ENGINEER** | | **9** | **VANDANA PANDEY** | **WIPRO INFO TECH** | **HYDERABAD** | **NETWORK ADMIN** |   And many More... Why MAGNOVA?  |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | **dot** | Proven best training provider | | | | |  | **•** | Live Projects you can show it to your Prospective Employer. | |  | **•** | Experienced Trainers with many years of Industrial Experience. | |  | **•** | Practical Approach driven Training | |  | **•** | 100% Placement guarantee. | |  | **•** | Students with their full satisfaction | |  | **•** | Free Aptitude, Personality Development and Interview preparation included. | |  |  |  |  |  |  | | --- | --- | | **dot** | 100% Placement guarantee | |  | MAGNOVA Technologies has achieved highest placement scopes for its students in MNCs. Our exhaustive coverage of technology together with practical implementations helps the students in becoming Future ready & steady to face the challenges of emerging Next-Generation technologies. |  |  |  | | --- | --- | | **dot** | Projects | |  | Our Services include HVAC, Cybersecurity,2G & 3G telecom Network Planning and Design, Network Optimization, Network Audit and Benchmarking, In-Building Solutions, Network deployment integration, Performance, RF optimization and Drive testing, spectrum analysis, mobile technologies, sim technologies Program Management Project Planning, Value added services, Next generation networks, RF/MW Site Surveys, EMF Surveys and various tele solutions. |  |  |  | | --- | --- | | **dot** | Certification | |  | Magnova technologies certified courses are designed to be delivered in a simple step by step method. It is the only training company to offer on-Site lab experience to help students apply their learning. Engineers with Magnova Certified certification are recognized by industry worldwide |  |  |  | | --- | --- | | **dot** | Best Faculties/Trainers from industry | |  | The quality and effectiveness of any training program depends on the trainers. Magnova technologies trainers are professionals, who are knowledgeable and have real-world experience of the Telecom. |  |  |  | | --- | --- | | **dot** | Practical Classes | |  | Magnova technologies has set up programs for 3 months in the PAN INDIA . The programs offered are completely job guaranteed as they are based on feedback from telecom experts. This Training program covers total current and future Technologies with all the practical knowledge. |  |  |  | | --- | --- | | dot | Workshops | |  | With workshops by industry experts, students get the real view of the industry More Practical insights by trainers. |  |  |  | | --- | --- | | **dot** | Students Feedback | |  | The feedback of students is most important to us. Take time to each feedbacks and get known about our quality solutions and facilities. Unlike other we are proud to provide the honest feedback with students mobile number, email address and home address. |  |  |  | | --- | --- | | **dot** | Aptitude, Personality Development & Group Discussion Classes | |  | We also arrange personality development & group discussion classes for the candidates. We also help our students to build their professional cv. |  |  |  | | --- | --- | | **dot** | Magnova technologies Labs | |  | We have all the tools, equipment s& software. | | | | | |  | | | |  | | | |  | | | |  | | | |  |  |  | | | |  | |  | |  | |  | | |  | |