



Courses that make you 'Job Ready'

L2 / L3 Protocol Testing and Test Automation

Networking protocol Testing has become essential for all engineering activities in the Networking Industry. Hardware or software projects in the Networking Industry are increasingly controlled by the Test engineers and Test Engineering organizations.

Like any other engineering, Testing a special skill by itself and has the potential of saving millions of dollars for organizations by helping them release quality products avoiding post-sale quality issues with no broken features or functions. Organizations in India are looking for such talent and therefore resulting in huge career opportunities for fresh graduates and experienced employees .

This course will provide you the complete expertise covering L2/L3 Protocols (Domain), Hands on lab exercises (Implementation, operation and troubleshooting) ,Test and Testing methodologies, L2/L3 Protocol testing (Manual and Automation) .

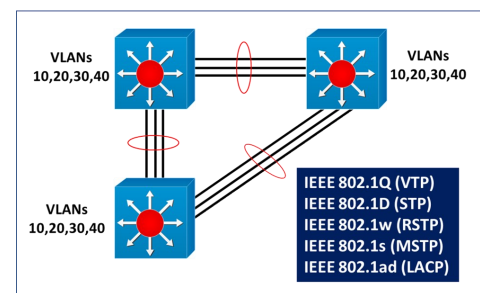
Course Highlights

- Gain expert level (Enterprise networks) domain expertise in Switching and Routing protocols
- Learn implementing routing and switching protocols on Cisco devices and Switches (both on Real devices and simulators)
- Understand thoroughly Test development life cycle, Test methodologies relevant for networking industry
- Design, Develop and execute a Test project on Cisco devices
- Gain expertise in using Python scripting language for Test Automation



Training method , Approach

- Training will be conducted by a Instructor with over 36 years of Industry and Training experience.
- Hands on practice on real equipment
- Participants will be assigned with a Test Project to consolidate the domain, product, Testing and Scripting skills
- All sessions will be recorded and shared.

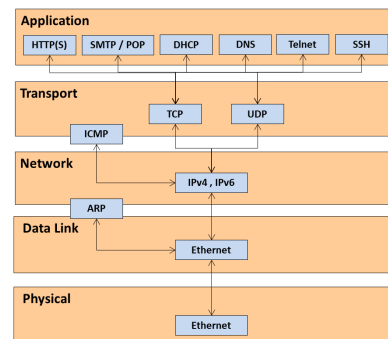
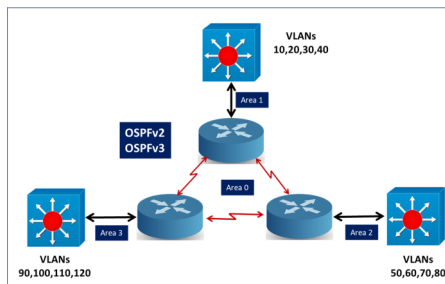


Who should attend?

- Engineers interested in pursuing career in “Test Engineering” in the networking industry.
- Engineering Students pursuing Graduation, Master’s Degree.

Course Contents

- **Module 1 (Domain / Product Skills)**
 - L2 / L3 Protocols (with expert level lab exercises) VTP (dot1Q) , PVST , MSTP,OSPF ,BGP
- **Module 2 (Testing Skills / Test Methodologies)**
 - Test Development Life Cycle (TDLC), Test Design
 - Test Methodologies, Test plans, Test cases
- **Module 3 (Manual Testing)**
 - Manual Testing - L2 / L3 Protocols
- **Module 4 (Python)**
 - Data types, Data collection types, Looping (Iteration), Decision making, Modules, OOP, File operations, regular expressions, GUI programming etc.
- **Module 5(Test Automation)**
 - Automated Testing - L2 / L3 Protocols
 - Test Automation Framework, Test Management
- **Module 6(Project)**
 - Project : Conformance Test or Interoperability test of a L2 / L3 Protocol of participant's choice



Training method :

- On-line live sessions

Training Duration

- 60 hrs.

For more details :

- Visit : <https://www.vigven.com/browse/training-programs>
- Or post a message to : training@vigven.com



VIGVEN Tech Mark Private Ltd.

26. RBI Colony, 2nd Main, Ananda Nagar, Bengaluru—560024

Phone: +91 80 2333 9220 | Sales Email: sales@vigven.com | Support Email: support@vigven.com | Website: www.vigven.com