TIB ACADEMY TRAINING IN BANGALORE

DELIVERING THE **BETTER TRAINING**

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Flexible, Affordable, Accessible service.





SERVICE FEATURE



Affordable Fees

We provide quality training with lowest price. This opportunity is available only at TIB Academy.



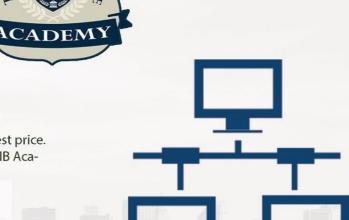
Experienced Trainers

Learn technology with a experienced professional who have expertise in their particular technology.



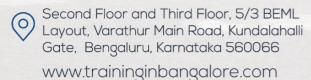
Flexible Timings

We believe that everyone should get the opportunity to learn their desired course. So we provide flexibility timings.



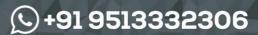
Network Analysis Tuition

Quick Contact











Network Analysis Syllabus

Unit 1 - Basic Concepts - 7 hours

Practical sources, Source transformations, Network reduction using Star – Delta transformation, Loop and node analysis With linearly dependent and independent sources for DC and AC networks, Concepts of super node and super mesh.

Unit 2 - Network Topology - 7 hours

Graph of a network, Concept of tree and co-tree, incidence matrix, tieset, tie-set and cut-set schedules, Formulation of equilibrium equations in matrix form, Solution of resistive networks, Principle of duality.

Unit 3 - Network Theorems 1 - 6 hours

Superposition, Reciprocity and Millman's theorems.

Unit 4 - Network Theorems II - 6 hours

Thevinin's and Norton's theorems; Maximum Power transfer theorem

Unit 5 - Resonant Circuits - 7 hours

Series and parallel resonance, frequency-response of series and Parallel circuits, Q –factor, Bandwidth.



Unit 6 - Transient behavior and initial conditions - 7 hours

Behavior of circuit elements under switching condition and their Representation, evaluation of initial and final conditions in RL, RC and RLC circuits for AC and DC excitations.

Unit 7 - Laplace Transformation & Applications - 6 hours

Solution of networks, step,ramp and impulse responses, waveform Synthesis.

Unit 8 - Two port network parameters - 6 hours

Definition of z, y, h and transmission parameters, modeling with these parameters, relationship between parameters sets.