



# TELECOMMUNICATION TRAFFIC ANALYSIS TRAINER

MODEL - TCOMTRAFFIC100

This Software trainer provides analysis and calculation of Telecommunication traffic.



## FEATURES

1. Study of the detailed theory of Telecommunication Traffic and its analysis.
2. Simulation and Calculation of Telecommunication Traffic.

**Note: - Computer System with Microsoft Excel 2003 or greater is required to these simulations.**

## SPECIFICATIONS

1. Traffic analysis Software : 2 Nos.
  - a. Circuit Switched Telecommunication Traffic Calculation
  - B. Packet Switched VOIP Communication Traffic Calculation
2. **Books for Telecommunication and Switching : 10 Nos in pdf Format**
3. **Mp4 Video Class for Telecommunication and Switching : 40 Classes in Mp4 on Pen Drive**

## EXPERIMENTS

1. To understand theory of Circuit Switched Telecommunication like Call Arrival time, Holding Time, Busy Hours, Blocked Calls, Traffic Models etc.
2. To understand Measurement Units of Telecommunication Traffic.
  - CCS, Erlang, Erlang-B, Extended Erlang-B (EEB), Erlang-C, Engset, Binomial, Poisson
3. To understand Mathematics. Equations, Formulas and Functions of Telecommunication Traffic.
4. To understand Blocking, Non-Blocking and Equivalent Random Theory (ETR).
5. To calculate different Traffic using Erlang, Erlang-B, Extended Erlang-B (EEB) and Engset Software.
6. To understand theory of Packet Switched VOIP Telecommunication.
7. To understand different types of Codecs like G.711, G.729, G.723.1 used in VOIP Telecommunication.
8. To calculate different Traffic for VOIP Communication using VOIP software.

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