



SMARTGATE

PUBLIC TRAINING

CATALOG 2019

ELECTRICAL TRANSMISSION ANALYSIS PROGRAM

OVERVIEW

Kursus Electrical Transmission Analysis Program memberikan pengetahuan bagi peserta kursus untuk dapat melakukan perhitungan-perhitungan yang diperlukan untuk menganalisa kondisi sistem tenaga listrik dari segi transmisi daya.

OBJECTIVE

Tujuan dari kursus ini adalah memberikan pembekalan sehingga pengikut kursus dapat menggunakan program ETAP untuk keperluan analisa sistem tenaga listrik berkaitan dengan perencanaan maupun operasi sistem. Secara garis besar perhitungan ini meliputi perhitungan aliran daya dan perhitungan arus hubung singkat.

CONTENT

- Proses penyedia tenaga listrik:**
 - Macam-macam pusat listrik
 - Saluran transmisi dan gardu induk
 - Karakteristik beban sistem
 - Operasi sistem yang optimum
- Perhitungan aliran daya**
 - Parameter-parameter sistem tenaga listrik
 - Macam-macam busbar (PFBUS, PQBUS, dan SWINGBUS)
 - Metode gauss seidel
 - Metode new town raphson
- Perhitungan arus hubung singkat**
 - Teori komponen simetris
 - Perhitungan arus hubung singkat 3 (tiga) fasa
 - Perhitungan arus hubung singkat 1 (satu) fasa ke tanah
 - Gangguan-gangguan dalam sistem
- Aplikasi penggunaan ETAP untuk perhitungan aliran daya**
- Aplikasi ETAP untuk perhitungan arus hubung singkat**
- Spesifikasi dari sirkuit breaker**
- Evaluasi hasil perhitungan ETAP**

PREREQUISITES

- Participants should be undergraduate electric power engineer with 2 years experience in operation and maintenance.
But any experienced engineer who has the same level of knowledge and experience are welcome.

CERTIFICATION

- Certificate of Attendance (Public Training)

SCHEDULE

- 04 – 06 Mar
- 06 – 08 Aug
- 26 – 28 Nov

LOCATION

- Jabodetabek dan luar kota (ketentuan berlaku)

REGISTRATION

- 3 minggu sebelum jadwal training

NOTE

- Formulir pendaftaran, Prosedur & Kebijakan terlampir



SMARTGATE

PT INDO MAHAKARYA GEMILANG
Gandaria 8 Office Tower 8th Floor
Jalan Sultan Iskandar Muda,
Arteri Pondok Indah, Jakarta 12240
Customer Service: 0812 9800 0202
Email: info@smartgate.co.id
WWW.SMARTGATE.CO.ID



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REGISTRATION FORM

Please complete the form in BLOCK LETTERS.

Fax or email it to SMARTGATE at least 3 (three) weeks prior to the training.

TRAINING INFORMATION

Title :
Schedule :

STUDENT INFORMATION

Full name :
Date of birth :
E-mail :
HP number :
Job Title :

COMPANY INFORMATION

Name :
Industry :
Address :
Website :
Phone :
Fax :

INVOICING

Address :
Requirements :
Contact person :

- Name :
- Phone :

I, hereby, declare that the above information is accurate. I understand that SMARTGATE has the rights to reject my application if any information is missing or inaccurate.

SMARTGATE reserves the right to change the dates, time, venue and trainers of the training scheduled due to circumstances beyond its control.

Signature*:

Date:

**with company stamp*



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POLICIES AND PROCEDURES

REGISTRATION FORM

- Registration is received at the latest 3 (three) weeks prior to training schedule.
- Official signed registration form is a valid document as Service Order from customer. Official Service Order and other documents needed are required for validation and administration process.

CONFIRMATION

- Training will be run after the minimum quota fulfilled.
- A confirmation letter will be sent out upon acceptance 3 (three) weeks before training commencement
- Place(s) will not be confirmed until we are in receipt of a completed booking form and once full payment has been received.

COURSE FEE

- The course fee is excluding PPN 10%
- The course fee is excluding transportation and accommodation of participant
- The course fee is including training material, lunch and coffee break

TERMS OF PAYMENT

- 100% course fee must be paid 3 (three) weeks prior to training schedule, after receive confirmation.

CANCELLATION FEE

- 100% cancellation fee of the course fee will be applied if participant or company cancels the registration after submitting Service Order or Official Registration Form.