

OFFICE OF THE REGISTRAR
NOTICE

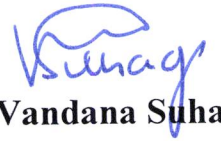
Ref: REG: 670034 - VAT-CDC/2021-22/TR Date: 3rd February 2022.

Subject: Schedule for Technical Training – KAPPA (VAT-77)

Attention: Students of B.Tech 6th & 8th Semester (Petroleum Engineering)

The students are hereby informed that the Technical Training – KAPPA will be held from 14th February 2022 to 28th February 2022 for the students of B.Tech 6th & 8th Semester (Petroleum Engineering) .

Note: It is mandatory for all the above-mentioned students to attend the training.



Dr. Vandana Suhag

Registrar
Registrar
DIT University, Dehradun

To:

- All Deans / Directors
- HoDs
- Head CDC

With the request to bring the above
to the notice of the students

Copy to:

- Chairman
- Chancellor
- Vice Chancellor
- Pro Vice Chancellor
- ICT Manager – to upload on website

For information please



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DIT University, Dehradun

Report: VAT-77

Technical Training-KAPPA for B.Tech-Petroleum Engineering Students

Course:-B.Tech- PE 3rd & 4th Year

Venue:- Vish. Room No. 105

Organized By- Department of Petroleum Engineering

Date:-14th February -28th February 2022

Duration:-30 Hours

Timings:-4:00 PM to 6:00 PM

About the Course

- KAPPA is a Petroleum E&P software company specializing in dynamic data analysis. The software is used as standard by almost all service companies and consultants. Technically driven by the desire to create the most advanced software in the industry we operate on all continents and are focused on delivering tools to help clients in these days of low commodity prices and reduced human resources.
- The objective of a KAPPA course is to deliver practical training, the knowledge from which can be employed immediately in the commercial world.
- The training provides essential theoretical knowledge and then immediately concentrates on the real-world use of analysis.
- The KAPPA pressure transient analysis has been designed to teach the generic methodology and the practice of pressure transient analysis (PTA) in addition to the mechanics of Saphir software which is learnt almost as a by-product.

KAPPA Training Features:

- Modern pressure transient analysis (PTA) from theory to practice.
- Strong practical emphasis on real data with many real-life examples.
- Immediate return on investment with attendees able to perform commercial analysis upon completion of the course.

Functionality and Training Content:

1. Introduction to PTA

When do we perform PTA?

2. Basic theory of diffusion PTA

The basic principles and terminology governing both methods. Introduction to Darcy's law and the equation of state leading to the diffusivity equation, the principle of superposition, infinite-acting radial flow, wellbore storage and skin and pseudo-steady state.



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3. PTA methodology

Methodology from the simple straight-line Horner to the current model-on-the-fly Bourdet derivative.

4. Saphir practical

The basic Saphir features including the interpretation path of load, edit, synchronizing, model, classical methods, the derivative and the application to field examples.

5. Well models

Finite/infinite conductivity fractures, limited entry, and horizontal wells.

6. Reservoir models

Homogenous and heterogeneous models' behavior.

7. Boundary models

Single limit, intersecting, parallel faults, and closed system. Includes typical errors encountered when diagnosing a boundary effect with an illustration of superposition effects and the influence of production duration on the analysis.

8. Basic numerical PTA

The principle of the linear (single phase) numerical model, how to build a model including defining the well type, composite zones, faults, and thickness.

9. IPR AOF

The IPR AOF options in Saphir and specific gas testing features.

Training Outcome:

In this course, students learned to practice of pressure transient analysis. The emphasis is on a visual and conceptual approach to interpretation including only essential mathematics. Full theory, including formulae and derivations are provided, as well as the conceptual explanation of PTA has been provided to each attendee.

Field examples are used to illustrate each concept. By the end of the course the attendees could perform analyses and developing interpretations. In addition, the attendees have the foundations sufficient for developing further experience in transient and production analysis.


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Annexure - II

Value added course Details (Academic Year: 2021-22)

VAT Course Name: KAPPA Training

VAT Code: VAT 77

Duration in Hours: 30


Number of Students Enrolled: 30

Number of Students Completed: 28

Grades:

G= GOOD ; S = Satisfactory ; P = Poor ; W = Withdraw

Student ID	Student Name	Program/Course	Year	Passing Grade
180107001	RASHAD NASEER ANSARI	Bachelor of Technology in Petroleum Engineering	4th Year	S
180107002	ABHISHEK SINGH	Bachelor of Technology in Petroleum Engineering	4th Year	S
180107003	PREM NARAYAN GOEL	Bachelor of Technology in Petroleum Engineering	4th Year	G
180107005	ANIKUL DAHIYA	Bachelor of Technology in Petroleum Engineering	4th Year	G
180107006	ARJUN GARG	Bachelor of Technology in Petroleum Engineering	4th Year	S
180107007	RAAU PRASHANT BHALERAO	Bachelor of Technology in Petroleum Engineering	4th Year	S
180107009	HARMAN JEET SINGH	Bachelor of Technology in Petroleum Engineering	4th Year	G
180107010	JUGAMI BASUMATARY	Bachelor of Technology in Petroleum Engineering	4th Year	P
180107011	APURVA ANAND	Bachelor of Technology in Petroleum Engineering	4th Year	S
180107012	CHETAN HUDDA	Bachelor of Technology in Petroleum Engineering	4th Year	S
180107013	PRANSHU SHUKLA	Bachelor of Technology in Petroleum Engineering	4th Year	G
180107015	TANMAY GUPTA	Bachelor of Technology in Petroleum Engineering	4th Year	S
180107016	HIMANSHU MAURYA	Bachelor of Technology in Petroleum Engineering	4th Year	S
180107017	VISHAL SINGH	Bachelor of Technology in Petroleum Engineering	4th Year	S
180107018	HARSH WARDHAN PARIJAT	Bachelor of Technology in Petroleum Engineering	4th Year	S
180107019	DIVYA AGARWAL	Bachelor of Technology in Petroleum Engineering	4th Year	S
180107020	JAGATHI RAM PRADEEP	Bachelor of Technology in Petroleum Engineering	4th Year	S
180107021	RUPALI PURBEY	Bachelor of Technology in Petroleum Engineering	4th Year	S
180107023	SHIVANSH DIXHIT	Bachelor of Technology in Petroleum Engineering	4th Year	G
180107024	KASHAN ATIF	Bachelor of Technology in Petroleum Engineering	4th Year	S
180107025	MD FAHAD KARIM	Bachelor of Technology in Petroleum Engineering	4th Year	S
180107027	RITIK NARAYAN	Bachelor of Technology in Petroleum Engineering	4th Year	S
190107002	KAKULI JHA	Bachelor of Technology in Petroleum Engineering	3rd Year	G
190107003	VISHAL SINGH	Bachelor of Technology in Petroleum Engineering	3rd Year	S
190107006	LAKSHAY GUPTA	Bachelor of Technology in Petroleum Engineering	3rd Year	S
190107007	FARHAN HAIDAR	Bachelor of Technology in Petroleum Engineering	3rd Year	S
190107008	SAHIL GUPTA	Bachelor of Technology in Petroleum Engineering	3rd Year	S
190107009	VANSAJ MATHUR	Bachelor of Technology in Petroleum Engineering	3rd Year	P
200107900	MOHD MONIS KHAN	Bachelor of Technology in Petroleum Engineering	3rd Year	S
200107901	NIKHIL RAJU	Bachelor of Technology in Petroleum Engineering	3rd Year	S


 Career Development Cell
 DIT University, Dehradun


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