CAREER DEVELOPMENT CENTRE

DIT UNIVERSITY
IMAGINE ASPIRE ACHIEVE

Date: 28th January 2020

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

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

The students are hereby informed that the Technical Training – KAPPA will be held from **8th February 2020 to 22nd February 2020** 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.

Gaurav Singh

Mr. Gaurav Singh
Head- CDC
Head -CDC
Career Development Cell
DIT University, Dehradun

To:

- All Deans / Directors
- HoDs
- Head CDC

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

Registrar
DIT University, Dehradun

Copy to:

- Chairman
- Chancellor
- Vice Chancellor
- Pro Vice Chancellor

For information please

DIT UNIVERSITY
IMAGINE ASPIRE ACHIEVE

Technical Training-KAPPA (VAT-77)

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

Venue:- Vish. Room No. 105

Organized By- Department of Petroleum Engineering

Date:- 8th February -22nd February 2020

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: 2019-20)

VAT Course Name: KAPPA Training

VAT Code: VAT 77

Duration in Hours: 30

Number of Students Enrolled: 109

Number of Students Completed: 105

Grades:	G= GOOD ; S = Satifactory ; P = Poor ; W = Withdraw			
Student ID	**Student Name**	**Program/Course**	**Year**	**Passing Grade**
160107047	PRINCE .	BTPE	4th Year	S
160107010	DINESH S	BTPE	4th Year	S
160107027	VARUN TIWARI	BTPE	4th Year	G
160107031	SANDEEP SINGH	BTPE	4th Year	S
160107051	ROHAN RAJ	BTPE	4th Year	S
160107065	SHUBHAM SINGH	BTPE	4th Year	S
160107028	MANSI SRIVASTAV	BTPE	4th Year	G
160107053	ANANAY AGARWAL	BTPE	4th Year	P
160107001	SOURAV MANNA	BTPE	4th Year	S
160107002	PARAS TYAGI	BTPE	4th Year	S
160107046	MEHAR RAJVANSHI	BTPE	4th Year	S
160107030	RISHU OJHA	BTPE	4th Year	S
160107070	RAHUL AGGARWAL	BTPE	4th Year	S
160107045	SHIVAM JOSHI	BTPE	4th Year	G
160107060	PRANALI M RANE	BTPE	4th Year	S
160107058	SAMAR PRATAP	BTPE	4th Year	S
160107021	PINGILI RAGHAVA REDDY	BTPE	4th Year	G
160107040	AYUSHI AGARWAL	BTPE	4th Year	S
160107066	PRERNA SINGH GOD	BTPE	4th Year	S
160107008	ANSHUL CHHETRI	BTPE	4th Year	S
160107004	MOHD YUNUS TAHREEM KIDWAI	BTPE	4th Year	G
160107019	YASH GUPTA	BTPE	4th Year	S
160107049	MD SHAYAN AZAM	BTPE	4th Year	P
160107025	FARHAN AHMAD	BTPE	4th Year	S
160107014	ADITYA BHASKAR	BTPE	4th Year	S
160107039	SUYASH SHRIVASTAVA	BTPE	4th Year	S
160107055	VISHESH CHAUDHARY	BTPE	4th Year	S
160107069	ROSHAN TIWARI	BTPE	4th Year	G
160107007	YUVRAJ RAGHAV	BTPE	4th Year	S
160107072	MOHD ADEEB KHAN	BTPE	4th Year	S
160107044	ABHISHEK TOMAR	BTPE	4th Year	G
160107067	SHIVAM SINGH	BTPE	4th Year	S
160107017	AJAY KUMAR VISHWAKARMA	BTPE	4th Year	P
160107015	VIPIN SINGH	BTPE	4th Year	S
160107068	NISHANT KUMAR	BTPE	4th Year	G
160107034	SHREYA HALDER	BTPE	4th Year	S
160107023	SHUBH KESARWANI	BTPE	4th Year	S
160107057	OSAMA HUSSAIN	BTPE	4th Year	S
160107012	PRATEEK KESHARWANI	BTPE	4th Year	P
160107038	SAGAR UNNIKRISHNAN	BTPE	4th Year	S

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160107003	ABHISHEK KUMAR SINGH	BTPE	4th Year	S
160107041	VIKAS KUMAR SINGH	BTPE	4th Year	G
160107005	ABHISHEK KUMAR PANDEY	BTPE	4th Year	S
160107018	JATIN UNIYAL	BTPE	4th Year	S
160107064	GARVIT GAUTAM	BTPE	4th Year	G
160107043	AAMIR KALIMULLAH	BTPE	4th Year	S
160107036	SAHIL CHAUDHARY	BTPE	4th Year	S
160107054	ABHIMANU KUMAR	BTPE	4th Year	S
160107011	RAVI RAJ	BTPE	4th Year	G
160107061	NIHHIR NISHANT .	BTPE	4th Year	S
160107035	HOUMJYOTI HAJONG	BTPE	4th Year	S
160107009	PRAMAN SINGH CHANDRAVANSHI	BTPE	4th Year	S
160107042	MOHD SAIF .	BTPE	4th Year	S
160107050	ABUHANZLA .	BTPE	4th Year	S
160107024	ANKIT GOYAL	BTPE	4th Year	S
160107037	MRINAL MALL	BTPE	4th Year	G
160107013	SUNIL KUMAR	BTPE	4th Year	S
160107075	DIVYA SINGH	BTPE	4th Year	S
160107059	RAGIB ATHAR	BTPE	4th Year	G
160107056	KARTIK BISHT	BTPE	4th Year	S
160107032	ABHIMANYU LATHER	BTPE	4th Year	S
160107033	SAMARTH AGARWAL	BTPE	4th Year	S
160107029	TUMMALA PRIYANKA JESSIE	BTPE	4th Year	G
160107022	SYED WAQUAR ALI	BTPE	4th Year	S
160107073	AYUSH YADAV	BTPE	4th Year	S
170107901	VIKAS VARSHNEY	BTPE	4th Year	S
170107015	SAHIL SAXENA	BTPE	3rd Year	S
170107900	ABID HUSSAIN	BTPE	4th Year	S
170107035	ANSH KAPOOR	BTPE	3rd Year	S
170107030	TITASH ROY	BTPE	3rd Year	G
170107039	CHETAN SAHNI	BTPE	3rd Year	S
170107036	HARMEET SINGH	BTPE	3rd Year	S
170107017	ALLAN JOSHUA DEMELLO	BTPE	3rd Year	G
170107040	MAYUR RAI	BTPE	3rd Year	S
170107041	DEVARATI MITRA	BTPE	3rd Year	S
170107008	MOHD DANISH	BTPE	3rd Year	S
170107026	SHIRSH RAJ ANAND	BTPE	3rd Year	G
170107011	ADITI NAUDIYAL	BTPE	3rd Year	S
170107045	ABHISHEK KUMAR	BTPE	3rd Year	S
170107025	ARNAB PANDIT	BTPE	3rd Year	S
170107019	ANSH CHAUDHARY	BTPE	3rd Year	S
170107029	ANJALI KUMARI SINGH	BTPE	3rd Year	S
170107020	HARSHIT TYAGI	BTPE	3rd Year	S
170107032	SHIVAM MISHRA	BTPE	3rd Year	G
170107028	DIVAKAR BHARDWAJ	BTPE	3rd Year	S
170107022	MD KASHIF AFTAB .	BTPE	3rd Year	S
170107048	YASH GOYAL	BTPE	3rd Year	G
170107016	ROHIT YADAV	BTPE	3rd Year	S
170107023	MOHD MEHDI HAIDER NAQVI	BTPE	3rd Year	S
170107018	RAJAT SHARMA	BTPE	3rd Year	S

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170107010	RAKHI AGARWAL .	BTPE	3rd Year	G
170107046	AMAN RASTOGI	BTPE	3rd Year	S
170107024	ABHINN .	BTPE	3rd Year	S
170107002	DRISTI MANOHAR JADHAV	BTPE	3rd Year	S
170107013	YOGESH SHARMA	BTPE	3rd Year	S
170107014	NISHANT KUMAR,	BTPE	3rd Year	S
170107007	BALADHA JATIN SURESHBHAI	BTPE	3rd Year	S
170107043	SUBHRAJYOTI DAS	BTPE	3rd Year	G
170107009	ANSHIKA SINGH	BTPE	3rd Year	S
170107034	SADHVI PHARASI	BTPE	3rd Year	S
170107001	APOORV SHANKAR SHARMA	BTPE	3rd Year	G
170107033	RAVINA RAJ	BTPE	3rd Year	S
170107006	RITESH POUDIYAL	BTPE	3rd Year	S
170107005	KAUSHAL PANDEY	BTPE	3rd Year	S
170107902	NAWAZ AHMAD	BTPE	4th Year	G
170107903	SAURABH KUMAR DUBEY	BTPE	4th Year	S
170107050	AMAN KUMAR	BTPE	3rd Year	S
170107049	SHUBHANK IGNATIUS SINGH	BTPE	3rd Year	S
180107900	PREETI RATHI	BTPE	3rd Year	S

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