

DIGITAL ACCOUNTANTS SUMMIT

Kolkata 2019

**SATURDAY
23rd NOVEMBER**

Venue

GALAXY- PARK HOTEL

CA. Abdul Rafeq, FCA, CISA, CGEIT
Managing Director, Wincer Infotech Ltd.



AGENDA

TIME	TOPIC
09:30am to 10:00am:	• Registration & Networking
10:00am to 10:30am:	• Inaugural Session: Chief Guest - Sri Debashis Sen, IAS Additional Chief Secy. Govt. of WB
10:30am to 01:45pm:	1ST EDUCATIONAL SESSION
10:30am to 11:15am	• Industry 4.0 - Impact on CA Profession by Elangovan Narasimhan, BLR. The 4th Industrial Revolution embarks emergence of new technologies using Artificial Intelligence, Machine Learning, Internet of Things, Cloud Computing and much more. For accounting profession, this represents both-challenge and opportunities.
11:15am to 12:00pm	• How to grow your CA Firm using Social Media by Abhishek Rungta, KOL. Having a Digital Reputation is a must have for every professional as the past techniques of marketing may not be relevant any more to get you more clients. This session will talk about how you can leverage social media to grow your clientele world wide within ICAI guidelines.
12:00pm to 12:30pm	• Connected Banking – Future of Accounting by Narayanan. K.P, BLR. Soon financial transactions will be 100% online and banks will have complete detail of all such financial transactions. The bank accounts will get easily synced with the accounting software and journal entries will get auto posted with just few clicks.
12:30pm to 01:15pm	• Data Analytics for SMEs – Opportunity for CAs by Abdul Rafeq, BLR. It is much more than number crunching and possess the ability to forecast business scenario. SMEs are using it to make their business decisions. This opens-up a plethora of opportunities as CAs are popular to have fine relationship with numbers.
01:15pm to 01:45pm	• Driving accelerated growth through Digitalization by Srish Agrawal, KOL. The practice of preparing, delegating, monitoring and delivering work to clients manually are fading away as more and more people are embracing technology at their workplace. There is a sharp move to paperless environment and this session will tell you how you can do this at your workplace.

1ST PARALLEL LAB SESSION

10:30am to 11:15am	• Human Resource – Documentation & Performance Tracking by P. Pachisia, KOL. It has been rightly said that “If you can’t measure it, you can’t manage it.” This tool will help you in tracking performance of your human resources, provide payslips, store their documentations and many other activities of HR in one place.
11:15am to 12:00pm	• Accounting & Expense Management on Cloud by V. Sasekiran & Y. Frederick, BLR. This will show how you can manage daily personal and business expenses seamlessly (on-the-go) and gives the ability to track transactions on real-time basis.

1ST PARALLEL LAB SESSION

12:00pm to 12:30pm	• Automating audit to save time and reduce risks by Prasun Newar, DEL. This session will help you in saving tons of hours which is spent in identifying various discrepancies in your audit. These tools will empower auditors to deliver services - fast, accurate and effortlessly.
12:30pm to 01:15pm	• How to differentiate using Power Query, Pivot and BI by Aswini Bajaj, KOL. This session will talk about Super Advanced Excel tools that helps in managing large database without using excel formulas and also connects you to database where dashboard reports gets automatically populated on real-time.
01:15pm to 01:45pm	• Practical Case Studies on Information System Audit by E. Narasimhan, BLR. Bank Audits and System audits are always troublesome for auditors as audit in a digitized environment requires understanding of tools of Digital World.

LUNCH & NETWORKING



2ND EDUCATIONAL SESSION

02:30pm to 05:30pm:	2ND EDUCATIONAL SESSION
02:30pm to 03:15pm	• Getting GST Compliance at the Click of Button by Dr. V. Venugopal, BLR. The cumbersome GST returns will no more seem difficult if you are aware of these tools and techniques.
03:15pm to 03:45pm	• Managing Cyber Risks for Digital Accountants by Nirmal Bazaz, KOL. The auditors needs to be aware of the safety concerns of the virtual world. Ransomware, data loss, data theft, phishing attacks etc. are increasing at a terrific speed. Auditors have a significant role to play on the safety of internal controls of data in client’s virtual ecosystem.
03:45pm to 04:30pm	• Robotics Process Automation in Accounting by Janardan Hebbar, BLR. Now automate the mundane clerical tasks (fully customizable) to meet the business needs. Make technology your assistant using RPA (Robotics Process Automation).
04:30pm to 05:30pm	• CAs Leading Digital Transformation. Moderator: Sanjib Sanghi The panelists will talk about how CAs can play a proactive role in getting their clients develop the right mindset, skillset and toolset for successful adoption and implementation of technology in their business processes.

2ND PARALLEL LAB SESSION

02:30pm to 03:15pm	• Data Analytics using R and Python by Dipak Singh, KOL. Data of your habits, Data of your behaviour, Data of your efforts and many other data are turned into mind boggling algorithms that helps you unleash amazing insights for forecasting future scenarios.
03:15pm to 04:00pm	• Computer Assisted Audit Techniques by Abdul Rafeq, BLR. CAATs are the best tools for saving your time and identifying issues in the clients controls which are prone to fraud.
04:00pm to 04:30pm	• How to use your smart phone smartly? by Pawan Lohia, KOL. Get insights on optimizing the use of smart phones for achieving your goals.

CAATs: Computer Assisted Audit Techniques

Challenges of Digital Age

- Huge volume of transactions – online/real-time

- Minimal or no audit/transaction trail

- Speed of processing (Online) with limited input records

- Integrity of data at different stages of processing

- Controls shift from physical to digital

- IT knowledge is key skill requirement

- IT knowledge has to be continually updated



**Fundamental Design Pattern of Technology
is to allow us humans to do things that were
previously impossible. - Tim O'Reilly**



**Can we can
make
Assurance
more Assuring?**

**Is there a
Better way to
Audit
Digital Data?
By using CAATs!**

**There is
a Better
Way to:**

- **Provide Assurance**
- **Ensure Compliance**
- **Provide Value Addition**
- **Be more Productive**
- **Be more Effective**
- **Be more Timely**

Demo of 25 Key Techniques of CAATs with Examples



Stratify – Numeric

Stratify - Numeric

Groups numeric data into different Strata based on specified intervals and displays count and sum with % for each strata.

Example:

Stratify Sales by amount to identify the sum and count as per each strata.

Use Salestrans file from eCAAT's Sample Data.

Assertions/Analysis:
Accuracy / Completeness

Classify

Classify

Groups each distinct value in a character column and displays sum and count of a corresponding numeric column.

Example:

Classify all transactions as per party name and summarize based on amount.

Use SalesTrans file from eCAAT's Sample data

Assertions:

Accuracy / Completeness

Aging

Aging

Groups and Totals all Records that are within or beyond the Aging Date based on the specified Aging Intervals.

Example:

Identify aging of stock items from date of purchase to specified date.

Use Aging Analysis file from eCAAT's Sample Data.

Assertions:
Accuracy / Completeness

Identify Duplicates

Identify Duplicates

Finds duplicate values in the selected columns for single or multiple columns.

Example:

Find duplicate Invoice Numbers.

Use Salestrans file from eCAAT's Sample Data.

Assertions:

Accuracy / Completeness

Same Same Different

Same Same Different

Matches values of each column of all rows to identify records where the values from two selected columns are same but value of third column is different.

Example:

Identify Vendors whose Name & PAN are same but addresses are different.

Use procurement file from eCAAT's Sample data.

Assertions:

Accuracy / Validity

Identify Format

Identify Format

Identifies Format of each Row in the Selected Column as 'C' for Characters and 'N' for Numbers with options to show field length and identify exceptions.

Example:

Identify Format for all PAN Numbers with field length and identify exceptions.

Use the PAN File from eCAAT's Sample Data.

Assertions:

Validity / Accuracy

Outliers

Identify Outliers - Numbers

Displays records that exceeds 'x' no. of times, average or std. deviation of selected numeric column.

Example:

Identify sales which are 3 times average sales/std. deviation.

Use SalesTrans File from eCAAT's sample data

Assertions/Analysis:
Accuracy / Exceptions

Analysis: Pareto

Analysis – Pareto

Displays items in two separate categories as per the pareto "80/20" rule specific percentage given for each category.

Example:

Identify top customers based on pareto principle based on No. and value of sales.

Use Procurement file from eCAAT's Sample Data.

Assertions/Analysis:
Accuracy / Completeness

Analysis: ABC

Analysis - ABC

Displays items in three separate categories as per default/specific % given by user for each category.

Example:

Group inventory as per specific % to identify high/medium/low value stock

Use Aging Analysis file from eCAAT's Sample Data.

Assertions/Analysis:
Accuracy / Completeness

Analysis: Quadrant

Analysis - Quadrant

Groups the data into four Quadrants as per the specified percentage given for each category based on x & y axis.

Example:

Group inventory items based on no. & value into 4 quadrants (L-L, H-L, L-H, H-H)

Use Procurement file from eCAAT's Sample Data.

Assertions/Analysis:

Accuracy / Validity

Query: List To Find

Query – List To Find

**Displays items
for selected list
for specified
Date, Numeric or
Character Fields**

Example:

**Identify list of transactions
entered on holidays as per
holiday list.**

**Use Salestrans file from
eCAAT's Sample Data.**

**Assertions/Analysis:
Accuracy / Authorisation**

Statistics: Benford's Law

Benford's Law

Displays variance in patterns of numeric data based on Benford's Law for first digit from 1 to 9.

Example:

Apply Benford law on sales values to identify variances between actual and Benford law.

Use Salestrans file from eCAAT's Sample Data.

Assertions/Analysis:

Accuracy / Validity

Relative Size Factor

Relative Size Factor (RSF)

Displays the variation between highest value and second highest value in terms of difference and multiple for specified numeric column.

Example:

Identify differential price and ratio between first maximum and second maximum price for each material code.

Use procurement file from eCAAT's sample data

Assertions:

Correctness / Validity

Maximum Variance Size Factor

Maximum Variance Factor (MVF)

Displays the variation between highest value and lowest value in terms of difference and multiple for specified numeric column.

Example:

Identify differential price and ratio between highest and lowest price for each material code.

Use procurement file from eCAAT's sample data

Assertions:

Correctness / Validity

Fuzzy Match - Arrange

Fuzzy Match - Arrange

Displays similarities in two rows based on values by eliminating transposition within cell values with option to identify duplicates after arranging data.

Example:

Find duplicate transactions which have been entered in different ways by changing order of words.

Use AccountTrans file in eCAAT's Sample data.

Assertions:

Accuracy / Completeness

Fuzzy Match - Near

Fuzzy Match - Near

Compares Two given Values (C, N, D or T) or Columns and returns True if the specified difference between two fields is equal to or less than the specified difference otherwise return false.

Example:

Identify transactions within difference range of more than 30 days.

Use Aging2Fields file from the eCAAT's Sample Data.

Assertions:

Accuracy / Validity

Fuzzy Match - Normalise

Fuzzy Match - Normalize

Removes Special Characters, Multiple Spaces, Leading and Trailing Spaces in a Column.

Example:

Identify similar narrations by removing special characters.

Use AccountTrans file from eCAAT's Sample Data.

Assertions:

Accuracy / Validity

Fuzzy Match - Similar

Fuzzy Match - Similar

Compares two values and applies transformation to find values/data that are similar.

Example:

Identify values which are similar for selected column after applying the specific difference between columns

Use Dr&CrColumn file from eCAAT's Sample Data.

Assertions:

Accuracy / Validity

Fuzzy Match: Soundex/Soundslike

Fuzzy Match – Soundex/SoundsLike

Soundex displays the four digit Soundex code for selected for columns to identify exact/approximate phonetic similarities.

SoundsLike displays similarities of words from two columns based on exact/approximate Soundex codes.

Example:

Use the Soundex/Soundslike function to identify similar sounding names entered with different spellings.

Use Soundex/Soundslike file from the eCAAT's Sample Data.

Assertions:

Accuracy / Completeness

Investigate: MIS

Investigate: MIS

**Displays for selected column: Count, Total, Minimum, Maximum, and Average of Records for the Selected Period.
Multiple Worksheets can be generated at once for various options.**

Example:

Generate dynamic 'MIS' for Sales based on day, day of week, monthly, quarterly sales.

Use SalesTrans File from eCAAT's sample data.

Assertions:

Accuracy / Completeness

Join Files

Relate – Join Files

Displays records after joining data from two worksheets based on specific common/uncommon column values.

Example:

Join 2 related files with unique identifier to identify sales beyond authorization limit.

Use Sales Trans and Sales_Auth Limit Files from eCAAT's Sample Data.

Assertions:

Accuracy / Authorisation

Authentication Check

Templates – Authentication Check

Displays the records from two Worksheets that match two conditions.

Example:

Identify sales entered beyond authorization limit by each of the users.

Use Files: SalesTrans and AuthLimit from eCAAT's Sample Data.

Assertions:

Authorisation / SOD

3-Way Matching

Relate – 3 Way Matching

Displays records after joining data from upto 3 worksheets based on common/uncommon column values.

Example:

Identify specific fields from 3 related files on various parameters such as availability in all, selected files.

Use files: Exp_Apr, Exp_May and Exp_Jun from eCAAT's Sample Data.

Assertions:

Accuracy / Authorisation

Compare Files

Compare Files

Displays the count, sum or difference of two or more similar columns from two different worksheets.

Example:

Compare Sales between two given periods based on sum and count for each customer.

Use files: Invoice 2016 and Invoice 2017 from eCAAT's sample data

Assertions:

Accuracy / Completeness

Analytical Review

Templates – Analytical Review

Displays the difference between values of two numeric columns in number and in percentage.

Example:

Compare Balance Sheet items for two years and identify variance between them in value & %.

Use BalanceSheet file from eCAAT's sample data

**Assertions/Analytical Procedure:
Accuracy / Presentation & Disclosure**

3 USEFUL SETS

Mindset

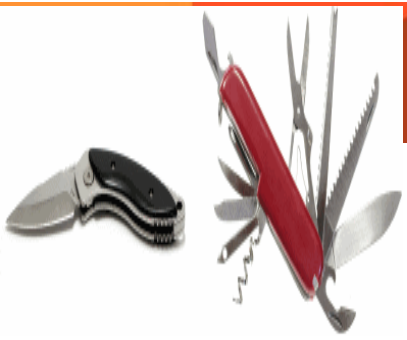
SkillSet

Toolset

“The future depends on what you do today.”

– Mohandas K. Gandhi

Thank you!



Questions?

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