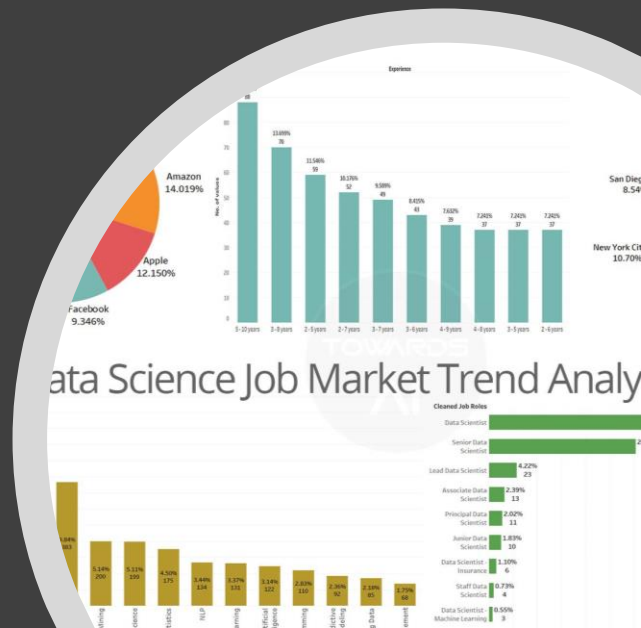# FUTURE-FIT-FINANCE

By- CA Pranav P Tulshyan

Briefly, About Me..!!

CA PRANAV PRATIK TULSHYAN

- Tech Enthusiast
- Helping Professionals Improve Work Productivity
- Teaches "Automation" at YT Channel **"Efficient Corporates"**

- Articleship from EY- Gurgaon [2016-19]
- AIR-5 in CA Finals **(Nov 18)**
- AIR-1 in CA-IPCC **(Nov 15)**
- AIR-1 in CA-CPT **(Dec 14)**

Search Quora

Will business accounting be automated in the future?

Answer · Follow · 2 · Request

What is the future of accountants in the age of highly automated accounting systems?

Answer · Follow · 26 · Request

Can software really replace accountants? What is the future of accounting software?

Answer · Follow · 1 · Request

Big 4 Firms · Accountants · Chartered Accountants (CA) · Artificial General Intelligence · Accounting

Is Chartered Accountancy in India threatened by artificial intelligence? Will AI take all the accounting and auditing jobs in India?

Follow · 111 · Request

2

IN A GAME OF CRICKET..!!

ACCOUNTING

COMPETITION	INTER COLLEGE								
MATCH BETWEEN	K.S. SCHOOL OF BUSINESS MAN.	VERSUS GUJARAT ARTS & SCI. COLLEGE							

INNING OF GUJARAT   OVERS 20   DATE 21-10-2016

TOSS WON BY ... ELECTED TO BOWL

TIME IN OUT	BATSMAN	RUNS AS SCORED	4s	6s	BALLS FACED	MTS PLAYED	HOW OUT	FIELDER	BOWLER	TOTAL RUNS
	¹JAY SUTHAR	..1..4.14.12IIII4.III.2 V22 (8)I.III22422. //	4	-	47	-	C.	D.DAPHI	ALPESH	47
	²JIGAR PRAJAPATI	.7.4I.2..III4.2III.6I..212.1 //	2	-	37	-	B.	-	JAY	28
	³DURGESH HINGE	2.1..4I3.4IIII.4.12 00//	3	-	25	-	-	NOT OUT		28*
	⁴ARTH PATEL	.I///	-	-	02	-	R OUT	A.RATHOD	-	01
	⁵VISHAL CHAUDHARI	V.4I., //	1	-	07	-	B.	-	RAJ	07
	⁶MANISH PATEL	14.1//	1	-	05	-	-	NOT OUT		07*
	7					-				
	8					-				
	9					-				
	10					-				
	11					-				

EXTRAS			EXTRAS	17
WIDES	..5..	12	TOTAL SCORE	135
BYES		-	FOR	4 WICKETS
L BYES	//	2	IN 20 OVERS
NO BALLS	I2	3	IN - MINUTES
TOTAL EXTRAS		17		

FALL OF WICKETS	1	2	3	4	5	6	7	8	9	10
AT RUNS	68	106	109	122						
NO. OF OUTGOING BATSMAN	2	1	4	5						
OVER NUMBER	12	16	17	19						

OVERS & RUNS AT A GLANCE

1	2	3	4	5
2	7	13	15	22
38	46	51	59	61
68	74	82	89	101

BOWLER	1	2	3	4	5	6	7	8	9	10	O	M	R	W	NO BALLS	WIDES	AVERAGE
¹ALPESH RATHOD		(2)		(8)		(15)	.4w	(20)			4	-	20	1	-	:2	-

We Can't Predict the FUTURE…

BUT,

We CAN be FUTURE READY..!!

COMMON TECHNOLOGY TERMS

CLOUD COMPUTING

DATA SCIENCE

ROBOTICS PROCESS AUTOMATION(RPA)

ARTIFICIAL INTELLIGENCE

SUB BRANCHES OF AI:

DEEP LEARNING/NEURAL NETWORK

MACHINE LEARNING

COMPUTER VISION

NATURAL LANGUAGE PROCESSING

ROBOTICS/ FUZZY LOGICS

BLOCKCHAIN/ DISTRIBUTED LEDGER TECHNOLOGY

ROBOTICS PROCESS AUTOMATION(RPA)

ROBOTICS PROCESS AUTOMATION(RPA)

What does it mean?

Related Tools & Comparison

Use Cases

ROBOTICS PROCESS AUTOMATION(RPA)

What does it mean?

- **AUTOMATE YOUR TASKS WHICH SATISFY 3 R's**

    - **Repetitive** *(Frequency)*
    - **Rule Based**
    - **Resource Draining** *(Time, Effort or Money)*

- No/ Minimal Human Intervention

ROBOTICS PROCESS AUTOMATION(RPA)

Tools for RPA:

MS – EXCEL -> MACRO USING VBA / POWER QUERY / POWER- BI

NO/LOW CODING –> Power Automate, Automation Anywhere, UiPath

Coding Platform –> PYTHON

RPA TOOLS COMPARSION

TOOLS	EXCEL	RPA TOOLS	PYTHON
EASE OF USE	★★★★★	★★★⯪	★★
COST	★★★★	★★★	★★★★★
CAPABILITY	★★★	★★★★	★★★★★

WHAT ACCOUNTING PROFESSION SHOULD INCLUDE?

According to a Paper Published by PWC for Accounting Profession Undergraduate Program:

Skills proposed for Under Graduate Accounting Course:

- **Knowledge of Complex Spreadsheet and Access**

- **Basic Programming Knowledge (Like Python)**

- **Skills related to Structured Databases like SQL , MongoDB**

Paper on
Accounting Profession

ROBOTICS PROCESS AUTOMATION(RPA)

Examples of RPA:

- Automate BS & PL creation based on Trial and Adjustment JV

- Automate Data Preparation for Return filing (**e.g GSTR2B Vs Purchase Reconciliation)**

- Automate Regular monitoring (E.g. Outstanding Credit to Customers, Overdue vendor Bills)

- Sending Regular Reminders for Action

- Automate fetching Notifications from GST , CBDT , CBIC , RBI websites

KNOWLEDGE IS OF NO VALUE UNLESS YOU PUT INTO PRACTICE

ROBOTICS PROCESS AUTOMATION(RPA)

SOME PRACTICAL USE CASES :

- Using Power Query (e.g For GSTR 2A Merging, GSTR1 JSON to Excel Conversion)

- Web Data Extraction

- Automating your Mail Boxes/ Whatsapp Message

- Tally Automation

- GST Automation

- Files & Folder related operations

Many More Videos at "Efficient Corporates"

LET'S START...!!

THANK YOU

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QUESTIONS