

Report on Fraud Detection

Date	10 November, 2022
Time:	11:00 am to 1:00 pm
Venue:	Seminar hall 3
Section:	BA1 and BA2
Batch:	2021-2023
Semester:	III
Guest/Speaker Name:	Mr. Natarajan Ravindran
Guest/Speaker Designation	Associate Principal -Data Science
Guest/Speaker Contact No & Email Id:	r_nrajan@yahoo.com / 9449445308
Guest/Speaker Company/ Institute Name:	Infosys
Faculty Coordinators Name:	Naveen Kumar V
Topic:	Fraud Detection
Moderator (if any)	NA
No. of Attendees	51
Feedback:	Yes
Brochure: (if any)	NA
Budget of the Program (if any):	NA
Revenue Collected: (if any)	NA

1. Introduction: (MANDATORY)

Access to Business information from both outside and internal personnel from inner and outer sources has become an obvious objective for fraud detection and resort to prevention techniques for early recognition of such misrepresentation across all data-driven companies. Hence Fraud detection can be combined with Business analytics for Fraud analytics which involves conducting analytics and

mining for patterns, discrepancies, and anomalies across the data, as said by Deloitte. These abnormalities can be then converted into bytes of knowledge and information which would help the organization foresee the potential dangers before they can happen and foster a proactive measure to prevent the same. Here is one such seminar from a renowned person who would bring to spotlight the techniques, and measures involved in Fraud detection with analytics.

2. Venue (Outside/Inside the campus): Seminar Hall - 3

3. Program Objectives:

- a. To uncover the basics of Fraud detection
- b. To explore analytical tools for Fraud detection in Cyberspace

4. Relevance to PO, Relevance to PEO and PSOs

PO	Program Objective (PO)
PO1	PO1 - Apply knowledge of management theories and practices to solve business problems
PO2	PO2 - Develop analytical and critical thinking abilities for data-based decision making
PO3	PO3 - Understand, analyse and communicate global, economic, legal and ethical aspects of business
PO4	PO4 – Identify and apply trans-disciplinary tools and techniques for projects and solving problems
PO5	PO5- Lead oneself and others in the achievement of organizational goals and contribute effectively to a team environment
PO6	PO6 - Inculcate entrepreneurial mind-set for sustainability
PO7	PO7 - Imbibe value-based leadership for Excellence
PSO	Program Specific Objective (PSO)
PSO1	Demonstrate effective response to industry challenges by applying managerial tools and techniques for a sustainable society
PSO2	Appraise the complex specificities of Indian Business to garner global reputation
PSO3	Develop a holistic thinking solopreneur for a self-sufficient society

5. Activity Overview:

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6. Guest/Speakers' Profile:

More than twenty years of IT experience with strong Analytics solution and delivery management. Currently performing leadership role in FS Analytics unit. The role has overall technical responsibility for the success of solution construction, implementation, deployment and system integration in AI&ML technology. The other roles performed are Pre-sales Solution design, Project management and consultant role.

7. Summary and Key Learnings of the session:

The following are the learnings: -

Confidence in Financial reporting – ML based Forecasting and Budgeting

➤ Quicker and transparent reporting process – RegTech areas (Compliance reporting) with RPA

- Investment opportunities based on capital and/or revenue – Portfolio recommendations
- Product profitability recommendations – Simulations
- Prescribe solution to future events (risk exposure) – Risk process
- Prevention of payment Fraud to expedite the STP – Alert Prioritization, Transaction scoring etc.
- Customer segments may offer the largest margins – MarTech areas
- Future events could affect our stock price
- Solvency Models - Cash Flow Simulation Models

8. Participant details:

The Analytics students of III semester and the students who opted to specialize in Analytics.

9. Details of Winners (if applicable): -NA

10. Details of the judges (if applicable): -NA

11. Attendance records:

Batch 2021-23 : 3rd Sem Attendance Sheet			
		Date	05-10-22
		Subject:	Natarajan's Session
		Faculty	NKV
Sl.	USN	Name	1
1	21MBAR0765	ABHAY SHANDILYA K	TRUE
2	21MBAR0433	ALEN TONY ALAPPATT	FALSE
3	21MBAR0435	AMIT KUMAR	TRUE
4	21MBAR0771	ANIRBAN GHOSH DASTIDAR	TRUE
5	21MBAR0437	ANUP G R	TRUE
6	21MBAR0065	ASHMITHAA R N	TRUE
7	21MBAR0775	BENAKA RAJ B	TRUE

8	21MBAR0777	BHARATHRAJ G	FALSE
9	21MBAR0438	CHADHAN C E	TRUE
10	21MBAR0439	DEEKSHA B	TRUE
11	21MBAR0441	DHARSHINE N A	TRUE
12	21MBAR0780	HARI RAJ PANDI N	FALSE
13	21MBAR0781	HARSH ANAND	FALSE
14	21MBAR0782	HEMANTH R	FALSE
15	21MBAR0783	JUHI GOYAL	TRUE
16	21MBAR0786	KAVYA S	TRUE
17	21MBAR0787	KRITTIKA DAS	TRUE
18	21MBAR0790	MADHAVA SRIRAM. G. L.	TRUE
19	21MBAR0791	MAITHREYAN S	TRUE
20	21MBAR0446	MEENAKSHI SUNDARAM	TRUE
21	21MBAR0796	MONALISHA BHOI	TRUE
22	21MBAR0797	NUTHAN	FALSE
23	21MBAR0798	PRAVEEN I	FALSE
24	21MBAR0799	PRAVEEN T	FALSE
25	21MBAR0802	PREM KUMAR N	FALSE
26	21MBAR0803	PRITHIUNAN DEVARAJ	TRUE
27	21MBAR0804	RACHITA PANDA	TRUE
28	21MBAR0805	RAKESH A S	TRUE
29	21MBAR0448	RANJITH N	FALSE
30	21MBAR0468	RUBEN PRITHVI RAJ	TRUE
31	21MBAR0809	SANCHAY KATYAL	TRUE
32	21MBAR0810	SANTRIPTI MAURYA	FALSE
33	21MBAR0813	SHIVANGI SHARMA	FALSE
34	21MBAR0814	SHIVAPAVANREDDY VONTERI	FALSE
35	21MBAR0815	SHRADESH RAJESH BHANDARE	TRUE
36	21MBAR0452	SHRUTHI SELVAKUMAR	FALSE
37	21MBAR0818	SIRI M RAO	FALSE
38	21MBAR0820	SUMON GOHAIN	FALSE
39	21MBAR0822	SURAKSHA K S	FALSE
40	21MBAR0824	T G KSHITIJA HEGDE	FALSE
41	21MBAR0825	TEJAS BR	TRUE
42	21MBAR0827	TRINAYAN KASHYAP	TRUE
43	21MBAR0456	VARSHINI CHANDAR	TRUE

44	21MBAR0831	VIKRAM P	FALSE
45	21MBAR0833	VISHAL H	FALSE
46	21MBAR0457	YASHAS S B	FALSE
47	21MBAR0835	YASHWANTHA SIMHA	TRUE
49	21MBAR0766	ABHINAV KUMAR	TRUE
50	21MBAR0767	ABHISHEK J	TRUE
51	21MBAR0769	AKASH.P	TRUE
52	21MBAR0434	AMEER HUSSAIN M	FALSE
53	21MBAR0770	AMOGH ANVEKAR	FALSE
54	21MBAR0436	ANIRUDHAN K K A	TRUE
55	21MBAR0772	ARYA SANTHANA	FALSE
56	21MBAR0773	ASMITHAA G	FALSE
57	21MBAR0774	AYANAMPUDI KEERTHI PRIYA	TRUE
58	21MBAR0776	BHARATH PRAKASH	TRUE
59	21MBAR0778	BHUVANESH T	TRUE
60	21MBAR0440	DEEPTHI V	FALSE
61	21MBAR0442	J SHANE ROBERT	FALSE
62	21MBAR0443	JAGJITH KAUR	FALSE
63	21MBAR0784	KAHKASHA KALAM	TRUE
64	21MBAR0785	KARIYAVULA MOUNISH NAIDU	FALSE
65	21MBAR0444	LALISETTI SRISAIVENKAT MAHENDRA	FALSE
66	21MBAR0788	M ADITI SHIRIN	TRUE
67	21MBAR0789	M.HARI HARA SUTHAN	TRUE
68	21MBAR0792	MALLIPEDDI VIRAJA	TRUE
69	21MBAR0445	MANAS SEBASTIAN	TRUE
70	21MBAR0793	MANIDEEP	FALSE
71	21MBAR0794	MANTHAN PATEL	FALSE
72	21MBAR0795	MOHAMMED BILAL CHOUHARY	FALSE
73	21MBAR0447	PRANAV R	TRUE
74	21MBAR0800	PREETHAM R	TRUE
75	21MBAR0801	PREETHI G	TRUE
76	21MBAR0867	RAHUL AGARWAL	TRUE
77	21MBAR0806	RAMESH BABU .C	TRUE
78	21MBAR0807	RAMYA CHITNIS	TRUE
79	21MBAR0857	RISHAB DARAK	FALSE

80	21MBAR0449	ROSHAN KUMAR R	TRUE
81	21MBAR0450	S SHOHAN	FALSE
82	21MBAR0808	SABARISH S	TRUE
83	21MBAR0811	SEVITHA PANDEY	FALSE
84	21MBAR0451	SHAIK TOUHEED HUMERA	FALSE
85	21MBAR0812	SHANKAR S	FALSE
86	21MBAR0816	SHUBHAM SONU	FALSE
87	21MBAR0817	SHYLESH R	FALSE
88	21MBAR0453	SMRITI SONA	TRUE
89	21MBAR0454	SREE HARI MADHU	FALSE
90	21MBAR0622	SREE RAKSHITHA V	TRUE
91	21MBAR0819	SRIMATHI SRINIVASAN	TRUE
92	21MBAR0821	SUNAINA RAINA PATRA	TRUE
93	21MBAR0823	SURENDAR T G B .	FALSE
94	21MBAR0826	TEJASWINI S	FALSE
95	21MBAR0455	THIRUVENKADA PERUMAL T	FALSE
96	21MBAR0828	V B SANTHOSH	TRUE
97	21MBAR0829	VANITH C	TRUE
98	21MBAR0830	VARSHINI MANOHARAN	FALSE
99	21MBAR0832	VIKRAM S	FALSE
100	21MBAR0834	YASHWANTH R	FALSE

12. Participants’ Feedback, Feedback Analysis, and Attainment Calculation:

Questions to Map Pos	List of Pos & PSOs	Wt Score ▶					Wt. Score	Max score	%age	
		5	4	3	2	1				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree				
The Programme/Activity was relevant to my area of specialization	PO1 PO2 PO3 PSO1PSO2PSO3	10	4	1	0	0	69		75	92%
The programme/Activity enabled me to understand application of concepts	PO1 PO2 PO3 PO4 PO5 PO7 PSO1PSO2PSO3	4	5	6	0	0	58		75	77%
The program/Activity provided a platform to interact with peers & professionals	PO3 PO5 PO6 PO7 PSO1PSO2PSO3	11	4	0	0	0	71		75	95%
the programme/Activity was well planned and excuted	PO1 PO2 PO3 PSO1	7	6	2	0	0	65		75	87%

Business Analytics

POs	Q1	Q2	Q3	Q4	Q5	Q6				Q7	Q8	Captured By	Total Attainment Score	Level Achieved
PO1	92%	77%		87%								Q1 Q2 Q4	85%	3
PO2	92%	77%		87%								Q1 Q2 Q4	85%	3
PO3	92%	77%	95%	87%								Q1 Q2 Q3 Q4	88%	3
PO4		77%										Q2	77%	3
PO5		77%	95%									Q2 Q3	86%	3
PO6			95%									Q3	95%	3
PO7		77%	95%									Q2 Q3	86%	3
PSO1	92%	77%	95%	87%								Q1 Q2 Q3 Q4	88%	3
PSO2	92%	77%	95%									Q1 Q2 Q3	88%	3
PSO3	92%	77%	95%									Q1 Q2 Q3	88%	3

13. Proposals for the Event/Programme: (MANDATORY)

JAIN UNIVERSITY
Gandhinagar, Gandhinagar

Naveen Kumar V <naveenkumar_v@jms.ac.in>

Fwd: Student Seminar on "Fraud Detection"
1 message

Dr. Praveen Dagar <praveend@jms.ac.in>
To: Naveen Kumar V <naveenkumar_v@jms.ac.in>

Thu, Nov 10, 2022 at 2:33 PM

----- Forwarded Message -----
From: **Dr. Praveen Dagar** <praveend@jms.ac.in>
Date: Wed, Nov 9, 2022 at 2:28 PM
Subject: Student Seminar on "Fraud Detection"
To: "naveenkumar.v" <naveenkumar_v@jms.ac.in>; Harna S <harnas@jms.ac.in>; CMS Business School <school@jms.ac.in>; bochoh@jain-school@jms.ac.in
Cc: Dr. Sudarshan Reddy <sudarshan.reddy@jms.ac.in>; Harna S <harnas@jms.ac.in>; CMS Business School <school@jms.ac.in>; bochoh@jain-school@jms.ac.in

Dear Mr. Natarajan,

Greetings from CMS Business School, JAIN (Deemed-to-be University)!

It is our pleasure to invite you as a Guest Speaker for the student seminar for our students of MBA, Business Analytics.

JAIN (Deemed-to-be University) is a hub for learning and ranked among the top universities in India. It is considered as a central destination for students across the world and Bangalore in particular, for its illustrious history of developing talent. The Bangalore based University offers a great environment for learning, be it academics or extracurricular activities.

Known for its emphasis on education, entrepreneurship, research and sports, it has some of the best minds in the educational and research fields, and centres that inspire entrepreneurship and groundbreaking work to simplify and manage the better. What makes JAIN (Deemed-to-be University) different is its outlook towards life, its values and beliefs, its ever evolving and open-minded system and quest for continued success and excellence, has made it one of the top universities in India.

The university has been accredited with A++ with a cumulative grade point of 3.71 in the year 2021 by National Assessment and Accreditation Council (NAAC) and is ranked 79th nationally in the National Institutional Ranking Framework (NIRF), Government of India, in 2022.

CMS Business School, an integral part of JAIN (Deemed-to-be University) is a place where ideas are born, theories are debated and business is done. Much more than a source of knowledge, it is a catalyst that can make a difference to the career and personal progression of students. Our MBA Program has a strong foundation in academic research, yet is designed to tackle the very real issues that face today's international business community. The MBA program is equipped with Yajñ Model that brings it on par with international standards.

CMS Business School, JAIN (Deemed-to-be University), established in 2008, is among the top 100 Business Schools in the country, in the latest ranking according to the National Institutional Ranking Framework (NIRF), Govt of India. The Business School was recently accredited by the National Board of Accreditation (NBA) for a period of 3 years.

The Business School has been ranked 10th in Outlook/CARE's Annual Rankings - India's top private MBA institutions for 2022 in South Zone and also been awarded A⁺ Grade, in Karnataka, by CRISIL.

TAP - R Model is a framework for learner achievement that incorporates Theory, Application and Practice sessions with emphasis on Research. It is founded on Synergy developed by Moulton and Blake (1984), and is a systematic approach to learning which balances pedagogy and andragogy approaches to synergistically allow the adult learner to achieve their goals.

The blended learning will be the facilitation approach for both academicians and industry practitioners to jointly deliver each course.

As a Business Practitioner, you are requested to demonstrate how Management principles are practiced in your organization and the sector. The specific brief provided by the subject coordinator will help you design the process for effective delivery.

On behalf of our Business Analytics Area, I once again invite you to interact with our students as per the details given below:

Session Title: **Fraud Detection**
Date: 05 November, 2022
Time & Duration: 10.00 am to 1.00 pm, 3 hours
Venue: CMS Business School, JAIN (Deemed-to-be University), No.17, Sheshanil Road, Gandhi Nagar, Bangalore - 560009.
Contact Profile: Students of Business Analytics

As a token of our appreciation and gratitude, please accept an honorarium, after the completion of the session, as admissible by the institutional norms for spending your valuable time with our students.

Regards
Praveen Dagar

14. Minutes of Meetings:

Meeting Title	Planning to organize a seminar on Analytics	
Date of Meeting	05 October, 2022	
Meeting Venue	Seminar hall 3	
Meeting Agenda	To and distribute the tasks	
In Attendance	Name	Title/Department/Organization
1	Dr. Praveen	Business Analytics
2	Prof. Naveen	Business Analytics
Key Meeting Outcomes		
	<ul style="list-style-type: none"> To plan to book the Seminar To arrange a memento 	
Action Plans, if any (along with the First Person Responsible)		
	<ul style="list-style-type: none"> . 	

15. Budget: - NA

16. Trailing Emails/communications:

JAIN UNIVERSITY
Deemed-to-be University

Naveen Kumar V <naveenkumar_v@cms.ac.in>

Fwd: Student Seminar on "Fraud Detection"
1 message

From: **Dr. Praveen Gujar** <praveengujar@cms.ac.in>
To: Naveen Kumar V <naveenkumar_v@cms.ac.in>

Thu, Nov 10, 2022 at 2:33 PM

----- Forwarded message -----
From: **Dr. Praveen Gujar** <praveengujar@cms.ac.in>
Date: Wed, Nov 2, 2022 at 4:28 PM
Subject: Student Seminar on "Fraud Detection"
To: "naveen@jain.ac.in" <naveen1805@gmail.com>, naveen1805@gmail.com
Cc: Dr. Subrahmanya Reddy <subrahmanya.reddy@cms.ac.in>, Naveen K <naveenkumar_v@cms.ac.in>, CMS Business School <school@cms.ac.in>, techsupport-jain <techsupport@cms.ac.in>

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Cohort Profile: Students of Business Analytics

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Regards
Praveen Gujar

16. Any other related details: -

17. Pictures for the Event:



1. Mr. Natarajan explaining the Process of Fraud Detection.