



Ref: TCET/GEN/FRM/IP-10/10

Date :24/07/2025

TCET/IT/ 142 of July 2025

REPORT ON
GENERATIVE AI & QUANTUM COMPUTING

1) Event Details:

A seminar on Alumni Interaction was conducted by TCET-ACM on **17th July, 2025** from **10:00 am to 12:00 pm**. The session was conducted in offline mode where TE IT students of TCET participated.

2) Date: 16th July, 2025.

3) Time: 09:30 am to 10:30 am.

4) Venue: Seminar Hall - 3, 2nd Floor.

5) Participants : The session was attended by SE IT students of TCET.

6) Objective :

The event was planned to:

- To understand the basic concepts and working of Generative AI and Quantum Computing.
- To make students aware of future career opportunities and encourage innovation in advanced technologies.

7) Resource persons involved:

Name of the Speaker	Mr. Soham Bhoir, Generative AI Engineer at Oracle.
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TCET-ACM Core Committee & Faculty:

		Responsibilities
TCET-ACM faculty	Dr. Rajesh Bansode	TCET-ACM Branch Counsellor
	Mr. Avinash Shrivastava	Process Incharge
	Mrs. Mary Margarat Mrs. Apeksha Waghmare	Faculty Incharge.
TCET-ACM Committee	All core committee members	Attendance, Report Generation, Maintain the flow of the event, Getting Feedback from students



Attendance Analysis:

Class	Number of Participants
TE IT A	47
TE IT B	48
TE IT C	48
Total	143

8) Plan & Schedule:

Plan:

- Notice for the event was circulated one week prior to the event among the students.
- The speaker was finalized and informed about the event schedule.

Schedule:

Time	Activity done
10:00 am	Introduction speech of the speaker was delivered by TCET-ACM Secretary, Ms. Tanmayi Reddy & TCET-ACM Design Director, Mr. Jainam Jain.
10:15 am	The speaker commenced the session by exploring the topic in depth and seamlessly proceeded with the successive segments of the presentation.
11:30 am	Q & A session related to the topic of the seminar
11:45 am	A vote of thanks was delivered to the speaker by TCET-ACM Secretary, Ms. Tanmayi Reddy.
12:00 noon	Feedback forms for the session were circulated among the participants.



9) Highlights of the event:

Topics discussed in the session	Description
What is Generative AI & Quantum Computing ?	<p>Generative AI is a type of artificial intelligence that creates new content—like text, images, or music—by learning patterns from existing data. It uses machine learning models to generate original and realistic outputs, and is used in areas such as chatbots, design, and creative tools. Quantum Computing is a form of computing that uses quantum mechanics to process information using qubits, which can handle multiple states at once. This makes quantum computers much more powerful for solving certain complex problems than regular computers. Together, Generative AI and Quantum Computing offer powerful possibilities for innovation, especially in fields like science, healthcare, and cybersecurity.</p>
Use of Generative AI in the current scenario.	<p>Generative AI is playing a major role in today's fast-paced, technology-driven world. It is widely used across industries to automate creative and repetitive tasks, enhance productivity, and support innovation. In content creation, it helps generate human-like text, images, videos, and music—used by writers, designers, marketers, and social media teams. Businesses use it to draft emails, chat responses, reports, and advertising content quickly and efficiently. In education, Generative AI supports students and teachers by summarizing lessons, creating practice questions, translating languages, and offering explanations tailored to different learning styles. In healthcare, it helps with analyzing medical images, generating patient reports, and even supporting drug discovery by simulating molecules. It's also transforming software development by writing code, fixing bugs, and generating test cases, making the development cycle faster and more efficient. Overall, Generative AI is becoming an essential tool in enhancing creativity, saving time, and solving complex problems across many sectors.</p>
How does the AI model work ?	<p>An AI model works by learning patterns from data. First, it is trained on a large amount of data (like text, images, or numbers). During training, the model looks for relationships and rules in the data using mathematical calculations and algorithms. Once trained, the model can make predictions or generate new content based on what it has learned. For example, a language model like ChatGPT can understand your question and generate a relevant answer because it has learned patterns from millions of text examples. The more data and training it gets, the better and more accurate it becomes over time.</p>



10) Learning:

Programme outcomes:

- PO1: Engineering Knowledge.
- PO2: Problem Analysis.
- PO3: Design/ Development of Solutions.
- PO4: Conduct Investigations of Complex Problems.
- PO5: Engineering Tool Usage.
- PO9: Communication.
- PO11: Life Long Learning.

Mapping of Program Educational Objectives (PEO) With Program Outcomes (PO):

	<u>PO1</u>	<u>PO2</u>	<u>PO3</u>	<u>PO4</u>	<u>PO5</u>	<u>PO6</u>	<u>PO7</u>	<u>PO8</u>	<u>PO9</u>	<u>PO10</u>	<u>PO11</u>
<u>PEO1</u>	✓					✓	✓				
<u>PEO2</u>			✓	✓							✓
<u>PEO3</u>									✓	✓	



Question	Engineering Knowledge	Problem Analysis	Design/Development of Solutions	Engineer Tool Usage	The Engineer & the world	Individual & Collaborative team work	Communication and LifeLong Learning	Total
	PO1	PO2	PO3	PO5	PO6	PO9	PO9, PO11	
What is the main role of Generative AI & Quantum Computing ?	7	7	7	7	7	7	7	7
What is Generative AI & Quantum Computing ?	5	6	5	5	5	5	6	5
How does Generative AI & Quantum Computing work?	5	6	5	6	5	5	6	5
Score (out of 10)	5.6	6.4	6.2	6.2	6	5.6	6.4	5.8
	1.68	1.92	1.86	1.86	1.8	1.68	1.92	1.74

Attainment of PEOs with PO's:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	Total
PEO 1	1.68				1.86	2							1.84
PEO 2		1.92	1.86										1.89
PEO 3									1.8	1.68	1.92		1.8



Mapping and Attainment of PEOs with Department Mission:

PEO	Department Mission Keywords			
	M1 Quality Education	M2 Industry Ready	M3 Professional ethic and social Values	M4 Responsible Citizen
PEO 1 (Knowledge)		1.84	1.8	
PEO 2 (Skill and Professionalism)	1.89			
PEO 3 (Attitude, Presentation and Growth)			1.84	1.84

11) Actions Taken:

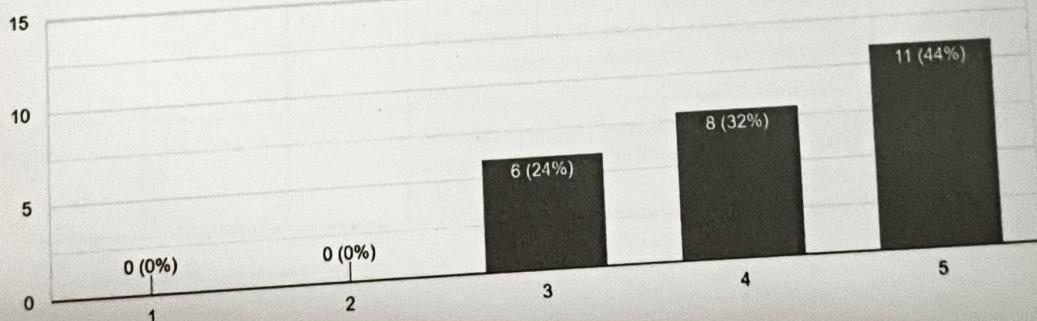
Some actions that were taken post the event are –

1. Feedback Analysis was done after the event.
2. Event outcomes were evaluated.
3. The documentation process proceeded.
4. Management strategy was analyzed.

12) Feedback Analysis:

How would you rate the overall quality of the seminar?

25 responses



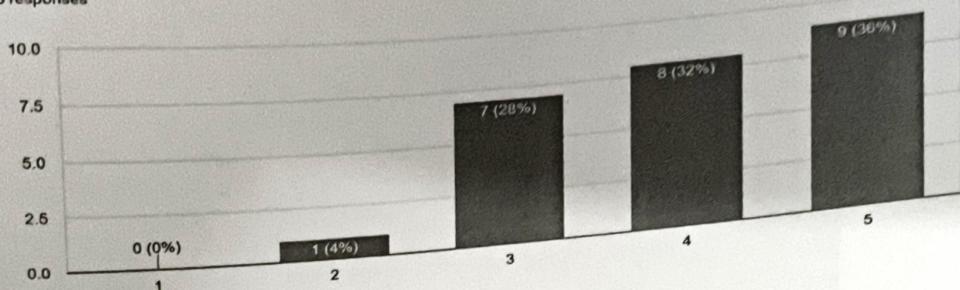


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How well did the seminar meet your expectations?

25 responses



Reviews/Comments given by the students:

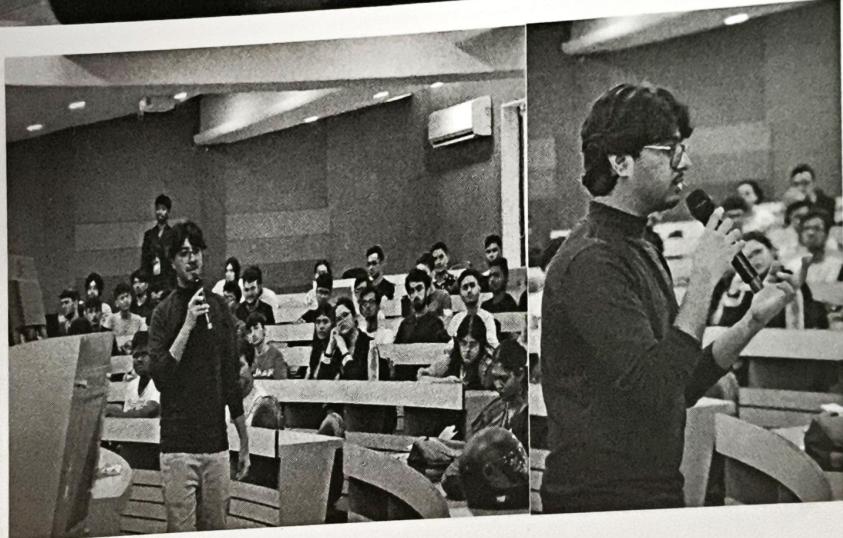
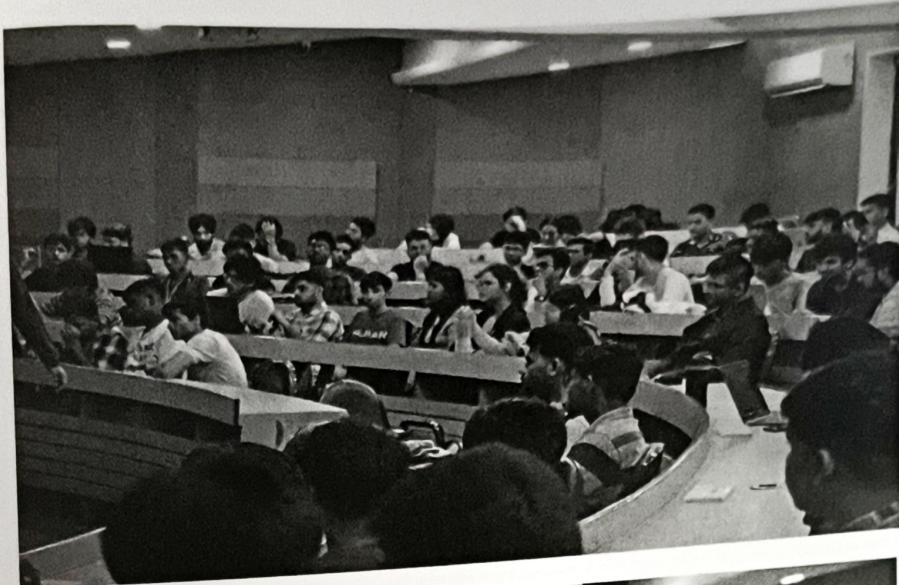
Name	Class	Roll no.	Reviews/Comments given by the students
Hrishikesh Thakur	TE IT C	38	The seminar provided a clear understanding of Generative AI & Quantum Computing , with practical examples and real-world use cases.
Soham Mohite	TE IT B	25	The speaker was passionate and shared valuable career insights, motivating us to explore Generative AI & Quantum Computing.
Harsh Gupta	TE IT A	43	The seminar gave us a better understanding of industry practices and how Generative AI & Quantum Computing can shape future tech careers.
Audit Rawal	TE IT B	62	Speaker was very interactive and embarked a sense of realization amongst ourselves. All in all it was good.



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Glimpses of the seminar:





13) Risks and Mitigations:

Risks:

- Limited attendance due to the lack of an online provision, reducing reach to only those who can attend in person.
- Engagement challenges throughout the seminar, leading to participant fatigue or decreased attention.
- Limited networking opportunities due to the virtual format, hindering interaction among participants and speakers.

Mitigations:

- Hybrid format (online and in-person): Offer live streaming and recorded sessions to increase accessibility for remote participants.
- Interactive sessions: Incorporate Q&A, polls, and live demos to keep the audience engaged and reduce fatigue.
- Structured networking opportunities: Set aside time for networking, offer virtual rooms, and provide an attendee list for follow-up connections.
- Technical rehearsals: Conduct technical rehearsals to ensure smooth demos and presentations, with backup plans in case of issues.
- Pre-event content: Share introductory materials or pre-seminar readings to help participants of varying skill levels prepare.

14) Outcomes:

- Participants gained a deeper understanding in Generative AI & Quantum Computing including its impact on automation, scalability, and efficiency.
- The speaker successfully captured the interest of a considerable number of students towards the topic.
- The sessions' interactive format, including networking opportunities, significantly enhanced the overall learning experience for attendees.

15) Scope of improvement:

- Increasing the seminar's duration can allow for more in-depth exploration of topics, ensuring all critical aspects of platform engineering are thoroughly covered.
- Organize a hackathon or coding challenge: Post-seminar, create an opportunity for participants to solve a platform engineering problem, either individually or in teams, enhancing practical skill development.
- Establishing a follow-up support system which can provide assistance and resources to participants, helping them apply the knowledge gained from the seminar effectively.



16) SWOT Analysis:

Strength	Weakness	Opportunity	Threat
Participants gained real-world knowledge from experts, improving their technical skills in a rapidly evolving field. Additionally, the seminar fosters networking opportunities, allowing professionals to share experiences and collaborate, while providing a comprehensive understanding of Generative AI & Quantum Computing.	Time constraints may prevent in-depth exploration of complex topics, and varying skill levels among participants could result in uneven understanding, making it difficult to cater to all needs effectively.	The growing demand for Generative AI & Quantum Computing presents an opportunity to attract more participants seeking to upskill in Generative AI.	The lack of an online provision, which led to a reduced number of attendees.

17) Conclusion:

- Attendees gained real-world insights from an experienced industry expert on Generative AI & Quantum Computing.
- Students were exposed to practical applications of Generative AI & Quantum Computing.
- The session inspired creative thinking and curiosity about emerging technologies.

18) 5W1H analysis:

Who:

Participants: TE IT students of TCET
Speaker: Mr. Soham Bhoir - Generative AI Engineer at Oracle
Organizers: TCET-ACM core committee

What:

The seminar focused on Generative AI & Quantum Computing, exploring its role in optimizing development workflows.

When:

The seminar was conducted on 17th July 2025 from 10:00am to 12:00pm.



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Where:

The seminar was conducted in offline mode at Seminar Hall 3, 2nd Floor, TCET campus.

Why:

The event aimed to deepen the understanding of Generative AI & Quantum Computing , helping improve efficiency and scalability.

How:

The event started with a speaker introduction, followed by a presentation from the speaker, where key concepts and insights were shared. The event featured expert presentations, discussions, and a hands-on session.

*Vivek
25/7/25*
Mr. Vivek Gupta
Chairperson, TCET-ACM

*Tanmay
25/7/25*
Ms. Tanmayi Reddy
Secretary, TCET-ACM

*Mary
25/7/25*
Mrs. Mary Margarat
Mrs. Apeksha Waghmare
TCET-ACM

*Apeksha
25/7/25*
Faculty Incharge

*Avinash
25/7/25*
Mr. Avinash Shrivats
TCET-ACM
Process Incharge

*Rajesh
25/7/25*
Dr. Rajesh Bansode
HOD IT & ACM
Branch Counsellor

54	54	JAISWAL SUNNY ASHOK REENA	IT	TE	A
55	55	JAMSUTKAR RAJ RANJIT RITU	IT	TE	A
56	56	JHA HEMANT MANOJ NEETU	IT	TE	A
57	57	JHA HIMANSHU MOTIKANT SUNITADEVI	IT	TE	A
58	58	JHA SUSHANT SUNIL GUDDI	IT	TE	A
59	59	JOSHI NEEL DINESH NEETA	IT	TE	A
60	60	KADAM AARYAN SANJAY PALLAVI	IT	TE	A
61	61	KALE KRUSHNA SURESH SUNITA	IT	TE	A
66	66	Anjali chaurasiya	IT	TE	A
68	68	Galipelli Rachana Mallesh	IT	TE	A
69	69	Jagtap Sanskruti Umakant	IT	TE	A
70	70	Khan Farhan Altaf	IT	TE	A
71	71	Khan Fawaz Ahmed Faiyaz Ahmed	IT	TE	A

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Division - B

Roll No	Name of Student	Branch	Year
1	MILIN KANU R	IT	TE
2	VISHESH KARAD B	IT	TE
3	AYMAN KHAN R	IT	TE
4	HOUD KHAN A	IT	TE
5	SARFARAZ KHAN J	IT	TE
6	HARSH KHANDARE A	IT	TE
7	ZEENAT KHATIB A	IT	TE
8	GURVINDERPAL SINGH	IT	TE
9	SMIT KUDCHIKAR G	IT	TE
10	KRISHNA KUMBLE S	IT	TE
11	SUPRIYA MAITY T	IT	TE
12	RIDDHISH MAJETHIA U	IT	TE
13	RAJ MALKAN D	IT	TE
14	RAHUL MAURYA J	IT	TE
15	RUDHR MEHRA D	IT	TE
16	VEDANT MEHTA N	IT	TE
17	PARTH MISHRA R	IT	TE
18	ARYAVEER MISHRA P	IT	TE
19	ADITYA MISHRA S	IT	TE
20	GAURAV MISHRA M	IT	TE
21	HARSH MISHRA I	IT	TE
22	SAGAR MISHRA N	IT	TE
23	UTKARSH MISHRA R	IT	TE
24	VRISHKETU MISHRA U	IT	TE
25	SOHAM MOHITE R	IT	TE
26	ARYA MOKARI A	IT	TE
27	VINAY MORA	IT	TE
28	SHARVARI MORE A	IT	TE
29	AFEEFA MUJAWAR F	IT	TE
30	PREETI MYANA P	IT	TE
31	HARIRAM NADAR J	IT	TE
32	RIYA NARKAR R	IT	TE
33	SHAZIYA NAZZ	IT	TE
34	SHREYA OJHA P	IT	TE
35	PRADEEP PAL U	IT	TE
36	VINAYKUMAR PAL N	IT	TE
37	ADITYA PANDEY S	IT	TE
38	AMAN PANDEY D	IT	TE
39	ATHARVA PANDEY A	IT	TE
40	PRATHMESH PANDEY S	IT	TE
41	SANKALP PANDEY O	IT	TE
42	SHIVANGI PANDEY G	IT	TE
43	SUMIT PANDEY S	IT	TE
44	AMARESHKUMAR PANDIT Y	IT	TE
45	RISHI PANDYA V	IT	TE
46	DEV PARMAR H	IT	TE
47	KARAN PATEL P	IT	TE
48	RAJAT PATEL R	IT	TE
49	YOGESH PATEL N	IT	TE
50	PRUTHVI PATIL S	IT	TE
51	RIMAY PATIL R	IT	TE
52	DURGA PATRA G	IT	TE

17/07/25- Seminar on Generative AI and
Quantum Computing

53	SWAROOP PAWAR P	IT	TE	B	A
54	PRERNA THAKARE P	IT	TE	B	Present
55	SURYANSH RAI B	IT	TE	B	A
56	MAMTA RAJPUROHIT S	IT	TE	B	Present
57	SHARVARI RANE S	IT	TE	B	Present
58	VAISHNAVI RANJAN K	IT	TE	B	A
59	NIKHIL RATHI G	IT	TE	B	Present
60	ARYAN RATHORE P	IT	TE	B	A
61	DEVASHREE RAUT S	IT	TE	B	Present
62	AADIT RAWAL A	IT	TE	B	Present
63	TANMAYI REDDYS	IT	TE	B	Present
64	MURABAT HUSSAIN M	IT	TE	B	A
65	ANUJ MHATRE V	IT	TE	B	Present
66	CHAITANYA MHATRE R	IT	TE	B	Present
67	NISHTTHA MISHRA	IT	TE	B	Present
68	DHANUSH NADAR A	IT	TE	B	Present
69	RITESH NAYASE G	IT	TE	B	Present
70	RUSHIKESH PATIL D	IT	TE	B	Present

Division - C

Roll No	Name of Student	Branch	Year
1	Sakali Yogesh S	IT	TE
2	Saroj Aryan N	IT	TE
3	Sharma Aayush R	IT	TE
4	Sharma Eshita R	IT	TE
5	Sharma Rohan D	IT	TE
6	Sharma Sheetal R	IT	TE
7	Sharma Vishaka V	IT	TE
8	Shinde Aryan A	IT	TE
9	Shirke Parag P	IT	TE
10	Shitap Nihira S	IT	TE
11	Shrivyas Aditya D	IT	TE
12	Shrivastava Dheer P	IT	TE
13	Shukla Niraj S	IT	TE
14	Siddharth K N	IT	TE
15	Singh Adarsh S	IT	TE
16	Singh Alok S	IT	TE
17	Singh Amitkumar C	IT	TE
18	Singh Aryan A	IT	TE
19	Singh Aryan M	IT	TE
20	Singh Gurveer H	IT	TE
21	Singh Jay S	IT	TE
22	Singh Mihir R	IT	TE
23	Singh Nihaarika S	IT	TE
24	Singh Om A	IT	TE
25	Singh Palak A	IT	TE
26	Singh Prakhar P	IT	TE
27	Singh Pranjal J	IT	TE
28	Singh Prathamesh I	IT	TE
29	Singh Pushkar A	IT	TE
30	Singh Shreyansh S	IT	TE
31	Singh Vedant P	IT	TE
32	Solanki Munaf A	IT	TE
33	Surana Ojas P	IT	TE
34	Suryavanshi Om P	IT	TE
35	Swamy Pooja P	IT	TE
36	Swamy Prashanth B	IT	TE
37	Thakre Varad A	IT	TE
38	Thakur Hrishikesh D	IT	TE
39	Tiwari Krish P	IT	TE
40	Upadhyay Om V	IT	TE
41	Upadhyay Sumit R	IT	TE
42	Vaidya Atharva P	IT	TE
43	Vaishya Aditya S	IT	TE
44	Vansh Dilip K	IT	TE
45	Velpula Aditya G	IT	TE
46	Verma Harsh R	IT	TE
47	Vinay Ramratan R	IT	TE
48	Vishwakarma Abhishek N	IT	TE
49	Vishwakarma Aman B	IT	TE
50	Vishwakarma Vikas V	IT	TE

17/07/25- Seminar on Generative AI and
Quantum Computing

A

Present

Present

Present

Present

A

Present

51	Vyas Bhavya J	IT	TE	A
52	Vyas Sachidanand M	IT	TE	Present
53	Waghela Meeth D	IT	TE	Present
54	Yadav Akshay S	IT	TE	Present
55	Yadav Ankit C	IT	TE	A
56	Yadav Anujkumar O	IT	TE	A
57	Yadav Kuldeep S	IT	TE	Present
58	Yadav Nilesh A	IT	TE	Present
59	Yadav Priyanshu R	IT	TE	Present
60	Yadav Sachin J	IT	TE	A
61	Yadav Sumeet V	IT	TE	A
62	Yadav Utsav O	IT	TE	Present
63	Srivastav Yash K	IT	TE	A
64	Prajapati Nidhi N	IT	TE	Present
65	Sah Aditya Kumar B	IT	TE	Present
66	Shah Mohd Saad M	IT	TE	Present
67	Singh Ansh A	IT	TE	Present
68	Sinha Suhani S	IT	TE	Present
69	Yadav Om M	IT	TE	Present
70	Aryan Shukla	IT	TE	