

Activity Report of Industry Expert Lecture

On

“Java Programming - Multithreading”

Dated: 22/04/2025 and 23/04/2025

Organized by: Centre for Artificial Intelligence (CAI)

Venue:- Online through the Zoom Meeting

As per Order No. DA/MP/2022/34/1442 dated 08.02.2022, the Centre for Artificial Intelligence (CAI) successfully organized a two-day Industry Expert Lecture on “**Java Programming – Multithreading**”, aimed at enhancing the technical skill set of students. This session focused on the concept of multithreading in Java, a key aspect of concurrent programming used extensively in modern applications and system development.

The expert name for the lecture **Mr. Abhishek Sharma, Lead Software Engineer, JPMorgan Chase and Co., Hyderabad Telangana, India.** Under the supervision of the Industry Expert Lecture **Dr. Rajni Ranjan Makwana, Head of Centre for Artificial Intelligence (CAI),** the Industry Expert Lecture was coordinated by **Dr. Pawan Dubey, Asst. Professor, CAI** and **Prof. Ashish Singh, Asst. Professor, CAI.**

This lecture was conducted to:

- Introduce the concept and significance of multithreading in Java.
- Demonstrate real-time use cases of multithreading in industrial applications.
- Prepare students for multi-core application development.
- Highlight the industrial expectations and requirements from software engineers.

Portion of subject to be covered:

S.N.	Topic	Number of Lecture	Course Outcomes
1	Multithreading Introduction	1	CO1
2	Thread States, Priorities and Thread Scheduling	1	CO2
3	Life Cycle of thread and Synchronization	1	CO3

The copy of the approval is attached in **Appendix 1.** The list of attendees participated is attached in **Appendix 2.** Feedback of the program from the participants are attached in **Appendix 3.** Quiz of the program from the participants are attached in **Appendix 4** Finally, the **glimpses** are

presented in Appendix 5.

Appendix: 1

Expert 2 Name: Mr. Abhishek Sharma, Lead Software Engineer, JPMorgan Chase & Co.

Name of Course: JAVA PROGRAMMING
Subject code: 3240426

Education: AWS Certified Cloud Practitioner
 M. Tech. in Nanotechnology, Rajiv Gandhi Prodyogiki Vishwavidyalaya, Bhopal, M.P.
 B.E. –Rajiv Gandhi Prodyogiki Vishwavidyalaya, Bhopal, M.P., 2008

Experience: 11+ Years

- VP, Lead Software Engineer, JPMorgan Chase & Co., Hyderabad Telangana, India (March 2024 to Till Date)
- VP, Lead Software Engineer, Wells Fargo, Hyderabad Telangana, India (3 Years 4 Months)
- Software Engineer, JPMorgan Chase & Co., Hyderabad Telangana, India (2 Years 8 Months)
- Software Engineer and Tech team lead at CoreCard Software, Inc. (2 year 6 months)
- Software Engineer, Sverve, Jan 2015 - Dec 2015 (1 Year)

Portion of subject to be covered:

S. No.	Topic	Number of Lecture	Course Outcome
1	Multithreading Introduction	1	CO1
2	Thread States, Priorities and Thread Scheduling	1	CO2
3	Life Cycle of a Thread, Thread Synchronization	1	CO3
4	Creating and Executing Threads,	1	CO3
5	Multithreading with GUI	1	CO5
6	Exception handling.	1	CO3



माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA

Deemed University

(Declared under Distinct Category by Ministry of Education, Government of India)

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Appendix 2

Attendees of the Expert Lecture Students

Name	Roll number	Semeter	Branch
Yuvraj Shukla	0901AM231077	4 th	AIML
Aarchi Jain	0901AM231001	4 th	AIML
Yash sharma	0901AM231076	4 th	AIML
Shalini	0901AM231059	4 th	AIML
Shivam Gupta	0901AI231063	4 th	AIR
Urja Jain	0901AM231070	4 th	AIML
Aditya Tank	0901AM243D06	4 th	AIML
Sudhanshu Nag	0901AM231065	4 th	AIML
Aditya Singh	0901AM231005	4 th	AIML
Ajay Prajapati	0901AI231006	4 th	AIR
Krishna Jha	0901EE231066	4 th	AIR
Saurabh solanki	0901AM231058	4 th	AIML
Mithesh	0901AI231035	4 th	AIR
Bhumika Sengar	0901AI231021	4 th	AIR
Pankaj Meena	0901AI231042	4 th	AIR
Purnashish	0901AI243D03	4 th	AIML
Armaan Saxena	0901AI231014	4 th	AIR
Devendra	0901AI231025	4 th	AIR
Kuldeep Ahirwar	0901AM231033	4 th	AIML
Pradman <u>Pradhuman</u> Tomar	0901AI231046	4 th	AIR
Nikhil Pattel	0901AM231044	4 th	AIML
Mukul Sharma	0901AI231038	4 th	AIR

माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत
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MITS



Attendee: Faculties Members

S.No.	Name
1	Dr. Pawan Dubey
2	Prof. Ashish Singh
3	Prof. Khemchand Shakyawar



Appendix 3

Feedback by the Students

Coverage of syllabus/course content is good	The classes are engaged with good preparation	The concepts are cleared by giving examples and applications	Rate the communication skills of the mentor	Classes are useful and help in identifying strengths and correcting weaknesses	Overall rating of the course covered so far
5- Excellent	5- Excellent	5- Excellent	5- Excellent	5- Excellent	5- Excellent
4- Very good	4- Very good	4- Very good	4- Very good	4- Very good	4- Very good
5- Excellent	4- Very good	4- Very good	4- Very good	4- Very good	4- Very good
5- Excellent	5- Excellent	5- Excellent	5- Excellent	5- Excellent	5- Excellent
2- Average	2- Average	1- Below Average	4- Very good	5- Excellent	4- Very good
3- Good	3- Good	3- Good	3- Good	2- Average	2- Average
3- Good	3- Good	3- Good	3- Good	3- Good	3- Good
4- Very good	5- Excellent	5- Excellent	4- Very good	4- Very good	4- Very good
5- Excellent	5- Excellent	5- Excellent	5- Excellent	5- Excellent	5- Excellent
3- Good	3- Good	3- Good	4- Very good	4- Very good	4- Very good
4- Very good	4- Very good	4- Very good	4- Very good	4- Very good	4- Very good
3- Good	3- Good	3- Good	3- Good	3- Good	3- Good
5- Excellent	5- Excellent	5- Excellent	5- Excellent	5- Excellent	5- Excellent
2- Average	2- Average	2- Average	2- Average	2- Average	2- Average
3- Good	3- Good	3- Good	3- Good	3- Good	3- Good
5- Excellent	5- Excellent	5- Excellent	5- Excellent	5- Excellent	5- Excellent
4- Very good	5- Excellent	4- Very good	5- Excellent	5- Excellent	5- Excellent

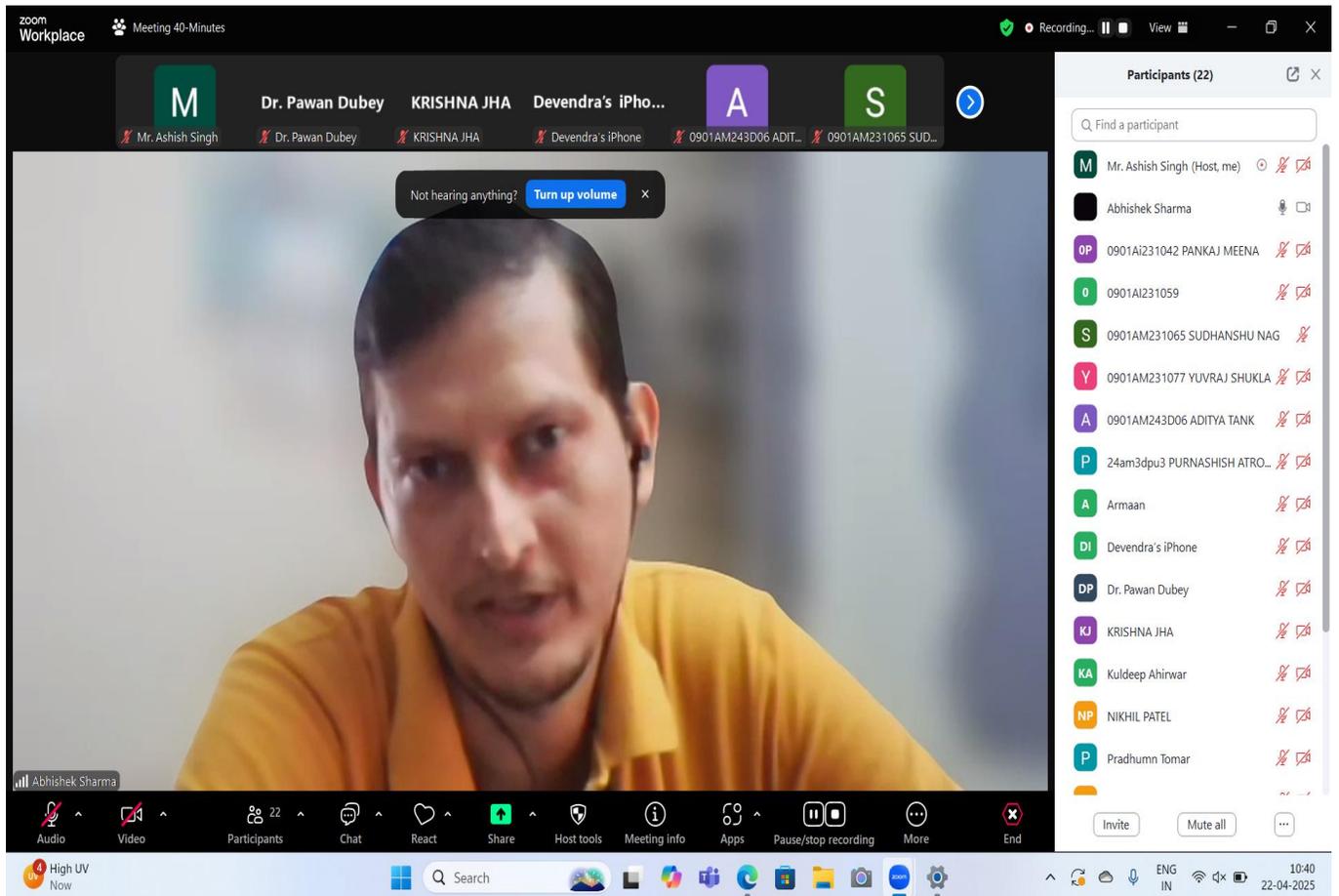
Appendix 4

Quiz attempt by the students

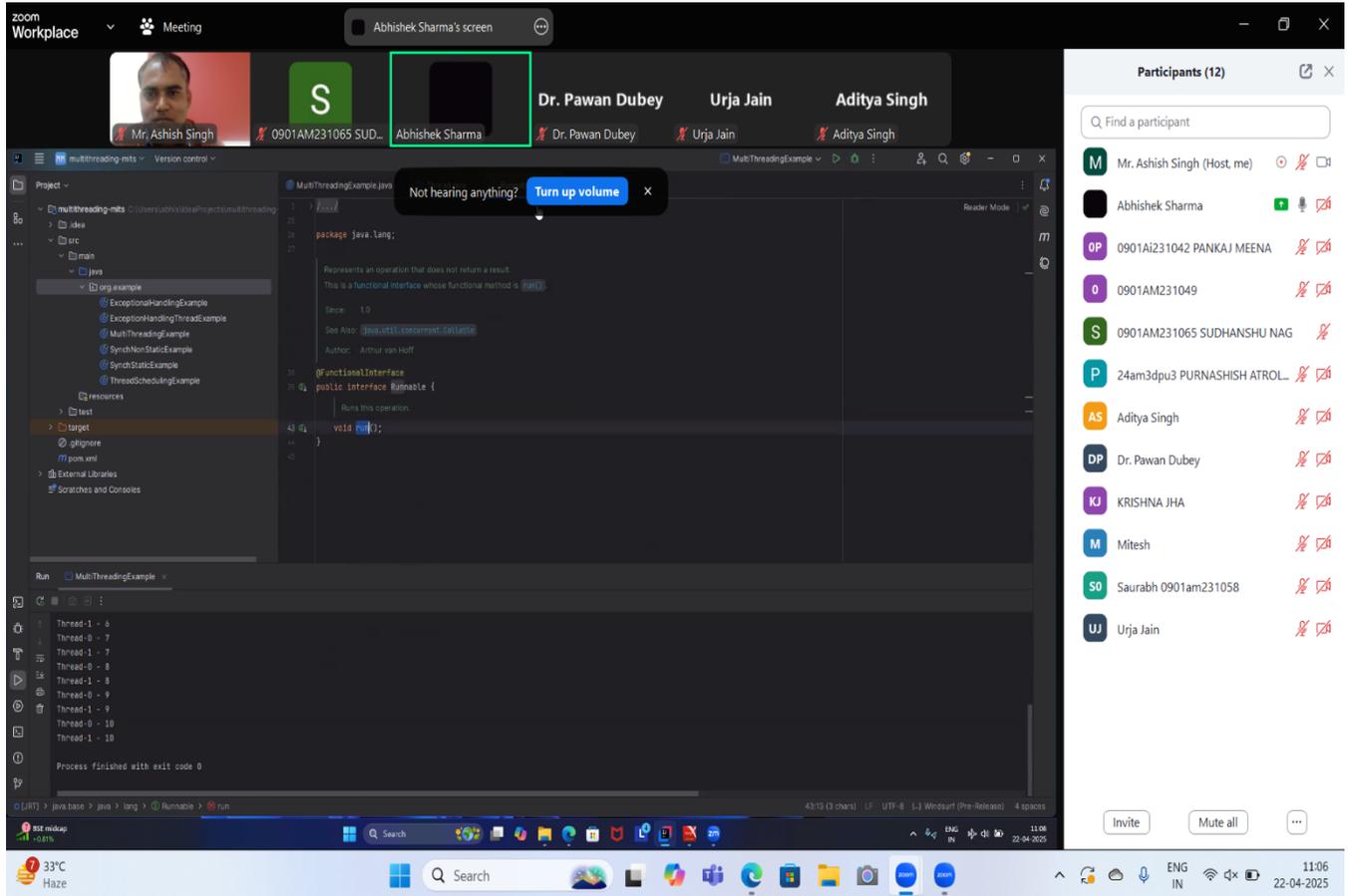
Name	Roll No.	Grade	Branch
Mitesh jyotiram hawale	0901AI231035	10.00	AIR
Shivam gupta	0901AI231063	10.00	AIR
Devendra kushwah	0901AI231025	10.00	AIR
Ajay prajapati	0901AI231006	10.00	AIR
Pradhumn singh tomar	0901AI231046	10.00	AIR
Pankaj meena	0901AI231042	10.00	AIR
Mukul sharma	0901AI231038	10.00	AIR
Armaan saxena	0901AI231014	10.00	AIR
Saurabh solanki	0901AM231058	10.00	AIML
Yash sharma	0901AM231076	10.00	AIML
Sudhanshu nag	0901AM231065	10.00	AIML
Aditya tank	0901AM243D06	10.00	AIML
Urja jain	0901AM231070	10.00	AIML
Aarchi jain	0901AM231001	10.00	AIML
Purnashish atroliya	0901AM243D03	10.00	AIML
Kuldeep ahirwar	0901AM231033	09.00	AIML
Aditya Singh	0901AM231001	09.00	AIML
Mukul Sharma	0901AI231038	09.00	AIR
Ajay Prajapati	0901AI231006	08.00	AIR

Appendix 5

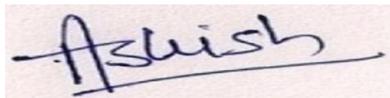
Glimpses



The screenshot shows a Zoom meeting interface. The main video window displays a participant named Abhishek Sharma wearing a yellow shirt. A notification at the top of the video window says "Not hearing anything? Turn up volume". The top bar of the Zoom window shows the meeting title "Meeting 40-Minutes" and several participant names: Mr. Ashish Singh, Dr. Pawan Dubey, KRISHNA JHA, Devendra's iPhone, and others. The right sidebar shows a list of 22 participants, including Mr. Ashish Singh (Host), Abhishek Sharma, and various other names with their respective profile pictures and status icons. The bottom of the Zoom window shows standard controls for audio, video, participants, chat, react, share, host tools, meeting info, apps, recording, and end. The Windows taskbar at the bottom shows the system tray with the date and time as 10:40 on 22-04-2025.




Dr. Pawan Dubey
Asst. Professor, Centre for AI
Coordinator



Prof. Ashish Singh
Asst. Professor, Centre for AI
Coordinator



Dr. Rajni Ranjan Singh Makwana
Head, Center for AI