

Uka Tarsadia University
CHHOTUBHAI GOPALBHAI PATEL INSTITUTE OF TECHNOLOGY
Department of Information Technology and Cyber Security

A Report of Workshop
On
“Mastering Big Data: Hands-On Practices with MongoDB”, 1st October
2024

Organizing Department	Department of Information Technology and Cyber Security
Coordinator	Ms. Purvi Tandel Mr. Akshar Patel
Target Audience	B.Tech. 1 st , 3 rd , 5 th and 7 th semester IT and Cyber Security students
Total Number of present students	195
Date of Program	1 st October 2024 - 9:30 AM to 3:00 AM
Invited Speaker	Ms. Niyanta Desai (SSM Infotech Pvt. Ltd.)

Department of Information Technology (IT) and Cyber Security (CS) has organized One-Day Workshop titled “**Mastering Big Data: Hands-On Practices with MongoDB**” on 1st October 2024 in Dr. Jatin Desai Hall, CGPIT. This intensive workshop has been conducted to teach participants (students/faculty members) the concepts of big data to be implemented with MongoDB. Students have learned MongoDB through hands-on sessions which will be beneficial for their project as well as data management concepts.

Expert Introduction: **Ms. Niyanta Desai** is experienced assistant professor with over 9 years of expertise in higher education. She has strong commands in the areas of SQL, .NET,

Python, and data science. She is currently working with SSM Infotech Pvt. Ltd. She is dealing into roles such as data analyst, project manager, or operations manager.

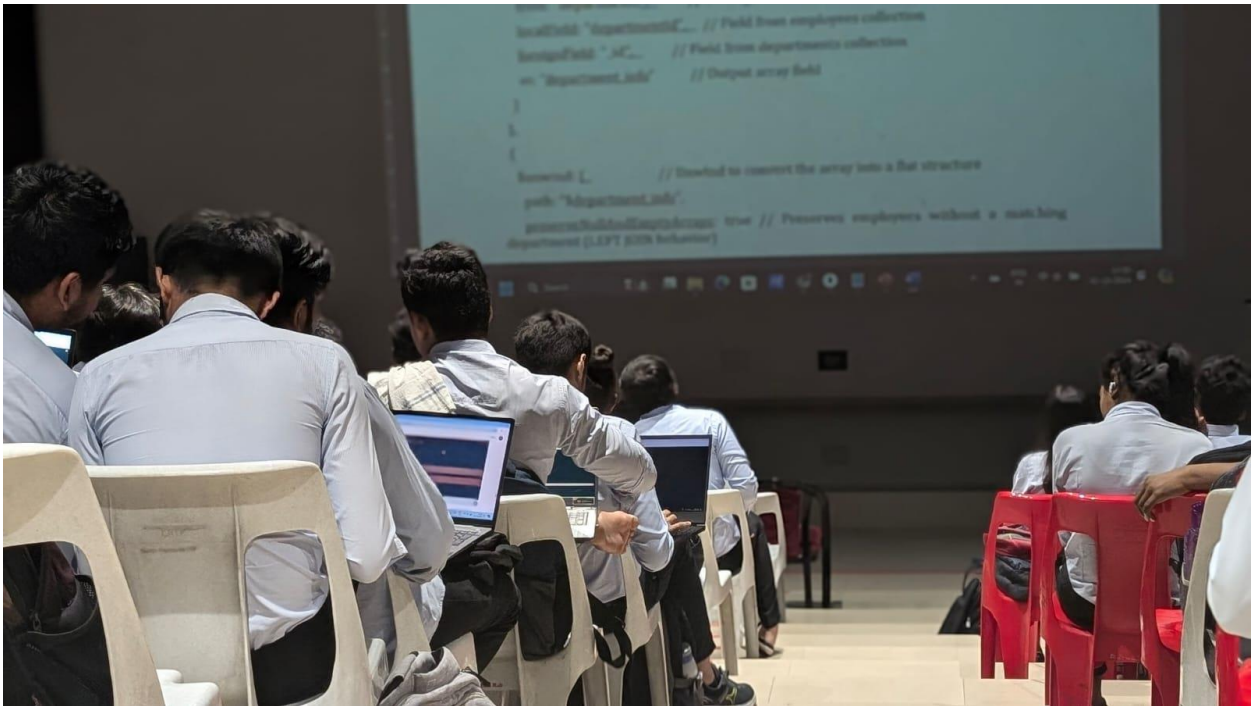
Workshop started with the registration process followed by the inauguration function of the workshop. Expert have delivered two hours of theory session on Essential Concepts of Big Data, Text analytics, data analysis with Spark, Installation of Spark, Concepts of Programming with RDDs, Machine learning with MLlib.

Hands-on Session and practices using MongoDB have been conducted by expert showcasing select, update, one, many, join, union concepts to be performed using MongoDB. Also, students learn the concept of implementation of mapper and reducer using word count problem using MongoDB.

Students have taken part enthusiastically in all the sessions of the workshop. At the end of the workshop, Ms. Purvi Tandel, HOD of Information Technology and Cyber Security have thanked all participants, and expert for their efforts in the workshop.

GLIMPSE OF THE SESSION:













Pictures with all the participants, coordinators, faculties, expert and Director sir