



Event / Activity Report

Department of Computer Engineering

Name of Event/Activity: **Data Analytics with Snowflake (Data warehouse)**

Name and affiliation of Expert Speaker: Mr. Virendra Dakhode
Data Scientist ,Michelin

Duration in Hrs: 9:30am to 5:00pm

Starting Date: End Date: 26/10/2024

Total Number of Faculty Participated: 25

Mode of Session Delivery: Offline

PO Mapped : 1,2,3,4,5,6,12

PSO Mapped: 1,2,3

Objective:

1. Learn Data Analytics with Snowflake (Data warehouse)

Flyer of the Event:



JSPM'S
RAJARSHI SHAHU COLLEGE OF ENGINEERING TATHAWADE, PUNE-33
(AN AUTONOMOUS INSTITUTE AFFILIATED TO SAVITRIBAI PHULE PUNE UNIVERSITY)

COMPUTER ENGINEERING DEPARTMENT

MASTERS OF TECHNOLOGY PRESENTS

**WORKSHOP ON DATA ANALYTICS WITH SNOWFLAKE
(DATA WAREHOUSE)**

BY MR. VIRENDRA DAKHODE

DATE: 26 OCT 2024
TIME: 9:30 TO 4:30 PM

Location: Computer Centre

PG Co-ordinator: Dr. Nisha Ashish Wandile H.O.D. : Dr. P.B. Kumbharkar

Specialist : Data Engineer
Corporate Trainer, Michelin

Scan this QR Code for
more details

Session Started at 9:30 am with the formal introduction and felicitation of speaker.

At the time of inauguration Head of the department Dr. P.B.Kumbharkar sir, Associate Dean of academics Dr. Rushali Deshmukh were present.

Mr. Virendra Dakhode started session with configuring aws cloud for snowflake.

Session then proceeded by practical performance of database management on snowflake for big data.

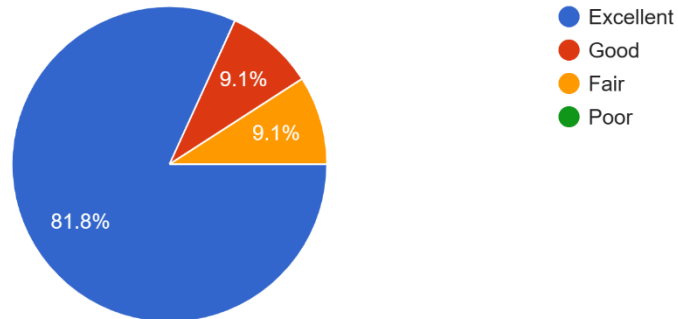
Photos of the Event



Feedback Form:

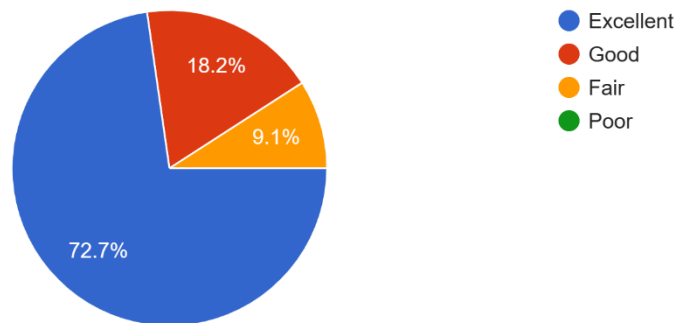
Content: How would you rate the relevance and usefulness of the content covered in the FDP?

11 responses



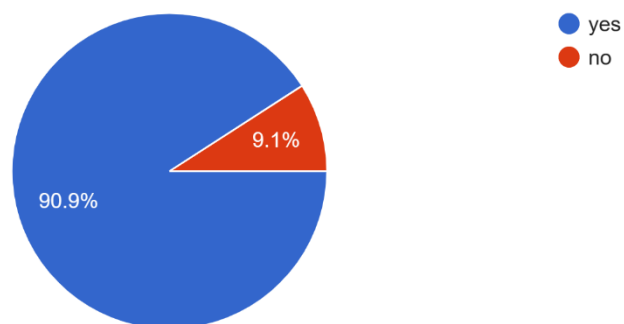
Delivery: Please rate the effectiveness of the delivery of the content by the facilitators:

11 responses



Whether FDP covering industrial requirements?

11 responses



Strengths: What did you find most valuable or effective about the Workshop?

Effective session

- I really liked sir's way of delivering and he provided us with all insights of data analytics with snowflake

- Hands on Education are effective.
- Got the knowledge about snowflake
- Practical knowledge of snowflake

How engaged attendees were during the event?	Excellent %	Satisfactory %	Less than satisfactory %
	98%	2%	0



Dr. Nisha Ashish Wandile
Co-ordinator



Dr. P.B.Kumbharkar
HOD , Computer

Contact

www.linkedin.com/in/vvdakhode
(LinkedIn)

Top Skills

Data Architecture

Data Analysis

Azure Databricks

Languages

English (Native or Bilingual)

Marathi (Native or Bilingual)

Hindi (Native or Bilingual)

Virendra Dakhode

Data Engineer | Big Data | Hadoop | Spark | PySpark | Azure | GCP | AWS | Python | Scala | Databricks | Snowflake | Corporate training
Pune, Maharashtra, India

Summary

As an experienced data engineer and cloud expert, I take pride in my 9 years of proficiency in big data and cloud technologies. My expertise spans a wide range of tools and platforms, including Hadoop, Spark, PySpark, and cloud data natives like AWS Glue, Lambda, Step Functions, CloudFormation Template, GCP Dataproc, BigQuery, and Azure Data Factory, to name a few.

Throughout my career, I have successfully undertaken various data migration and application migration projects, contributing to the seamless transition of critical data and applications. My primary focus has always been on crafting effective and optimized data processing jobs that align with business requirements, enabling data-driven insights and decision-making.

I am passionate about exploring cutting-edge solutions, staying up-to-date with industry trends, and continuously honing my skills to drive innovation and excellence in data engineering. Collaborative by nature, I thrive in cross-functional environments, fostering productive teamwork and achieving shared objectives.

Beyond my core roles, I find immense fulfillment in sharing my knowledge and expertise with others. For the past 9 years, I have been passionately delivering comprehensive training on Big Data and Cloud Technology to diverse corporate audiences. Empowering professionals with the skills to harness the full potential of data and cloud solutions drives me to continue this journey.

In training sessions, I endeavor to inspire and equip participants with the tools to navigate the ever-evolving world of technology. My collaborative approach fosters an engaging learning environment, ensuring that each individual gains valuable insights to excel in their roles.

Looking forward to connecting with like-minded professionals, exchanging ideas, and exploring opportunities for growth and collective success.

Let's connect and explore new possibilities together!

Best regards,
Virendra Dakhode

Experience

Michelin
Data Architect
December 2023 - Present (1 year)
India

Wipro
Technical Lead
November 2021 - December 2023 (2 years 2 months)
Pune, Maharashtra, India

Tata Consultancy Services
IT Analyst
January 2019 - October 2021 (2 years 10 months)
India

Worked on different big data and cloud projects, Explore different big data tools from Hadoop and spark ecosystem like hive, sqoop, HBase, pig, spark-sql, spark-streaming, Kafka etc. also explore some cloud native components like AWS EMR, Redshift, RDS, Azure cosmos DB, Azure data bricks, GCP data proc etc,

Nihilent
Senior Software Engineer
September 2018 - December 2018 (4 months)
India

Worked on different big data technology like Hadoop, spark etc.

GLT Pvt. Ltd.
Big data consultant
July 2014 - September 2018 (4 years 3 months)

Pune, India

Worked as big data consultant

Education

Savitribai Phule Pune University

Master of Engineering - MEng, Computer Engineering · (2011 - 2013)

Sant Gadge Baba Amravati University, Amravati

BE - Bachelor of Engineering, Information Technology · (2004 - 2007)

Government Polytechnic, Amravati

Diploma in information technology, Information Technology · (2000 - 2004)

Course Title: Data Analytics with Snowflake (Data warehouse)

Module 1: Introduction to Snowflake

- Overview of cloud data warehousing
- Snowflake architecture (separation of storage and compute)
- Key features and benefits

Module 2: Setting Up Snowflake

- Creating a Snowflake account
- Understanding Snowflake editions and pricing
- Configuring your Snowflake environment

Module 3: Data Loading and Management

- Loading data from various sources (CSV, JSON, Parquet)
- Data types and data modeling in Snowflake
- Managing databases, schemas, and tables

Module 4: Querying Data

- Introduction to SQL in Snowflake
- Basic SELECT statements and filtering data
- Joins, subqueries, and common table expressions (CTEs)
- Aggregate functions and window functions

Module 5: Data Transformation

- Using Snowflake's SQL functions for data transformation
- Creating views and materialized views.
- Utilizing stored procedures for advanced transformations

Module 6: Data Sharing and Collaboration

- Secure data sharing features
- Setting up and managing data shares
- Use cases for data sharing across organizations

Module 7: Integrating with BI Tools

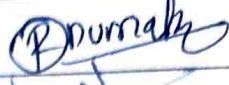

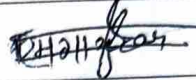
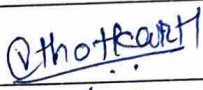







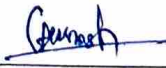
- Overview of popular BI tools (Power BI)
- Connecting BI tools to Snowflake
- Creating dashboards and reports

Module 8: Case Studies and Real-World Applications

- Analyzing industry-specific use cases

JSPM's
Rajarshi Shahu College of Engineering, Pune
Department of Computer Engineering
MTECH : FY SEMI
Academic Year:2024-25

Workshop on Data Analytics Using Snowflake(Datawarehouse) Date: 26/10/2024 Timing:9:30 to 4:30pm

Sr. No	RMT NO	Name of the Student	Signature
1	RMT24CS001	Umak Ratnadeep Dillip	
2	RMT24CS002	Patil Shilvani Mahesh	
3	RMT24CS003	Sadhana Singh	← AB →
4	RMT24CS004	Kadam Omkar Ajit	← AB →
5	RMT24CS005	Nagargoje Prathamesh Balasaheb	← AB →
6	RMT24CS006	Mayuri Babu Gaikwad	
7	RMT24CS007	Nambiar Samyuktha Sajeevan	← AB →
8	RMT24CS008	Rohini Nivrutti More	← AB →
9	RMT24CS009	Vijaya Tatyarao Hotkar	
10	RMT24CS010	Kale Shreyas Sanjayrao	
11	RMT24CS011	Kale Harshal Arjun	
12	RMT24CS012	Komal Ravindra Katwe	← AB in second half →
13	RMT24CS013	Joshi Onkar Balasaheb	
14	RMT24CS014	Kanthale Mahesh Satish	
15	RMT24CS015	Dhamankar Akanksha Rohidas	← AB →
16	RMT24CS016	Kunal Sham Patekar	
17	RMT24CS017	Yashraj Babasaheb Chavan	
18	RMT24CS018	Akshay Sandipan Karnavar	← AB →
19	RMT24CS019	Vivekkumar Vinaykumar Vishwakarma	
20	RMT24CS020	Animesh Sanjay Garje	
21	RMT24CS021	Shrutika Ashok Soudagar	← AB →


PG Coordinator
Dr. Nisha Ashish Wandile

HOD

Dr. P.B.Kumbharkar

JSPM's
Rajarshi Shahu College of Engineering, Pune
An Autonomous Institute Affiliated to Savitribai Phule Pune University, Pune
Department of Computer Engineering
SY MTECH

Admission Year: 2023-2024

9.30

2.00

Sr.No.	PRN no	Roll No.	Name of the student	Signature
1	RMT23CS001	CS6101	Nagtilak Swapnali Tanaji	
2	RMT23CS002	CS6102	Rahane Vikram Dipak	
3	RMT23CS003	CS6103	Vishal Laxman Jadhav	
4	RMT23CS004	CS6104	Chaudhari Mitali Hemant	
5	RMT23CS005	CS6105	Lande Rutuja Raghunath	
6	RMT23CS006	CS6106	Bhosale Ruchira Mahendra	
7	RMT23CS007	CS6107	Rohan Shantilal Jawale	✓ <i>Shantilal</i>
8	RMT23CS008	CS6108	Kamble Vishal Pralhad	
9	RMT23CS009	CS6109	Rajput Anurag Daulatram	
10	RMT23CS010	CS6110	Pal Aniket Ranjitkumar	
11	RMT23CS011	CS6111	Pal Mohuya Ranjitkumar	
12	RMT23CS012	CS6112	Vedika Manoj Yadav	
13	RMT23CS013	CS6113	Dive Anuja Sunil	✓ <i>Anuja</i>
14	RMT23CS014	CS6114	Dongre Sapana Arunrao	<i>Sapana</i>

Nisha
PG Coordinator
Dr. Nisha Ashish Wandile

P.B.K.
HOD
Dr. P.B.Kumbharkar

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Sr. No	Department	Name of the Participant	Designation	Signature
1	Comp	Shilpa Inde	Asst. Prof	<i>Shilpa</i>
2	comp.	Dhanaskar Jasli	Asst. Prof.	<i>Jasli</i>
3	Comp	Dr. R. A. Deshmukh	Asso. Prof	<i>R. A. Deshmukh</i>
4	Comp	Swati R. Paralkar	Asst Prof	<i>Swati</i>
5	Comp.	Shweta Raipure	Asst. Prof.	<i>Shweta</i>
6	Comp	Shabana T Pijade	Asst. Prof	<i>Shabana</i>
7	Comp	Prema B. Sahane	Asst. Prof	<i>Prema</i>
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Nisha
PG Coordinator
Dr. Nisha Ashish Wandle

P. B. Kumbharkar
HOD
Dr. P. B. Kumbharkar