SRI VENKATESWARA COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION TECHNOLOGY
In association with

ASSOCIATION OF INFORMATION TECHNOLOGISTS
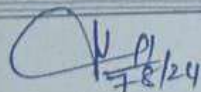
A Technical Talk

On

"Big Data with Cloud Computing"

22.03.2024

A Report

To. HOD INT
Noted
26
7/8

Submitted to the principal
7/8/24

SRI VENKATESWARA COLLEGE OF ENGINEERING
DEPARTMENT OF INFORMATION TECHNOLOGY

Report

Resource Person	:	Mr. Hariharan D, IT Alumnus (2012-16)
		Senior Data Engineer,
		Walmart Global tech,
		Bengaluru.
Target Audience	:	Students & Faculty
Venue	:	Online Mode(meet.google.com/asn-ucfu-gqa)
Date& Time	:	23rdMarch 2024& 7:00 PM

Objectives

- To leverage advanced analytics for better decision-making.
- To quickly adapt to changing business needs and data requirements and to reduce the overall cost of data storage and processing.
- To ensure data security and comply with regulatory requirements
- To seamlessly integrate big data solutions with existing IT infrastructure.
- To protect data against loss and ensure business continuity.

On23rdMarch2024,Mr. Hariharan D, IT Alumnus (2012-16), Senior Data Engineer, Walmart Global tech, Bengaluru delivered a talk on"**Big Data with Cloud Computing".** Ms. Akshara, Final year student, Department of Information Technology, SVCE, delivered the welcome address.

Dr. V. Vidhya, Professor & Head, Department of Information Technology delivered a short note by welcoming the chief guest and motivated the students by highlighting the importance of integrating Big Data with Cloud computing. The webinar commenced with a prayer song, invoking blessings for knowledge and learning. This was followed by a heartfelt welcome address from the event coordinators, Dr. D. Jayanthi and Dr. K. Kiruthika Devi, who emphasized the webinar's importance in light of current IT trends. They introduced the chief guest, Mr. Hariharan D, highlighting his extensive expertise and experience in the IT field.

The workshop lasted for more than an hour. The resource person started the lecture by addressing the key objectives of integrating Big Data with Cloud computing. He explained how to handle large volumes of data that can grow exponentially over time. He elaborated on how Cloud services operate on a pay-as-you-go model, eliminating the need for significant upfront capital expenditure on infrastructure. This flexibility ensures that organizations can handle large volumes of data efficiently, accommodating peaks in demand without compromising performance.

He also explained the cost implications of traditional data storage and processing, especially for smaller businesses. Cloud computing offers a cost-effective alternative with its pay-as-you-go model. Companies only pay for the resources they use, which eliminates the need for substantial upfront capital expenditures on hardware and software. He gave more insights on advanced data analytics and how cloud platforms provide access to a variety of advanced analytics tools and services that are essential for extracting actionable insights from big data. These tools range from machine learning and artificial intelligence to sophisticated data visualization and reporting tools. By leveraging these cloud-based services, organizations can perform complex data analyses more efficiently and gain deeper insights into their operations, customer behaviors, and market trends.

He also emphasized about the security which is a critical concern when dealing with large volumes of data, especially sensitive or regulated information. Leading cloud providers offer robust security measures, including data encryption, identity and access management, and regular security audits. These measures help protect data against breaches and unauthorized access. Additionally, cloud providers often comply with industry-specific regulatory standards, which assist businesses in meeting their compliance requirements.

He elaborated on the various Big data frameworks and tools like Apache Hadoop, SPARK etc. which are used for processing the data efficiently. He demonstrated real time examples using SPARK framework. He elucidated on integration of modern cloud platforms with the existing infrastructure. This interoperability allows businesses to adopt big data solutions without overhauling their current systems. APIs and connectors enable the smooth integration of cloud-based data services with on-premises applications, databases, and other business tools, facilitating a unified and efficient data management ecosystem.

The participants gained insights on how to integrate Big Data with Cloud computing. After the questions and feedback session, the program came to an end by delivering a vote of thanks. Ms. Keerthana, III year IT student delivered the vote of thanks and extended her gratitude to Mr. Hariharan Dfor his excellent and informative talk on Big Data with Cloud computing. She also extended her special thanks to the Principal Dr. S. Ganesh Vaidyanathan, Dr. V. Vidhya, Professor & Head, INT, for their continuous support and motivation. She also thanked Dr. D. Jayanthi, ASP/INT, Dr. K. Kiruthika Devi, ASP/INT and Dr. S. Kalavathi, AP/INT and the AIT coordinators Dr. V. M. Sivagami, Prof/INT and Dr. A. Thiyagarajan, AP/INT for successfully organizing the guest lecture.

Participant Details

1. Total Number of Participants: 80
2. Number of Students: 70
3. Number of Faculty: 10

Outcomes

1. Efficiently manage and store massive volumes of data and Significant cost savings in data management and processing.
2. Generate actionable insights from data and greater adaptability to changing business needs.
3. Strengthen data security and regulatory compliance and minimize downtime and data loss.
4. Strengthen the market position and improve customer satisfaction and engagement.

Coordinators   **HOD/INT**

Dr. D. Jayanthi, ASP/INT   Dr.V.Vidhya

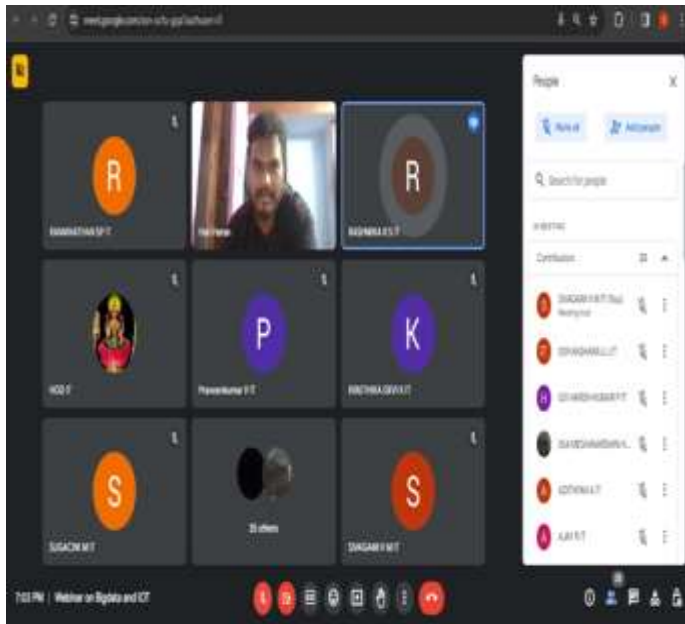Dr. K. Kiruthika Devi, ASP/INT

Dr. S. Kalavathi, ASP/INT

& AIT Coordinators

Dr.V.M.Sivagami, Prof/INT

Mr. A. Thiyagarajan, AP/INT

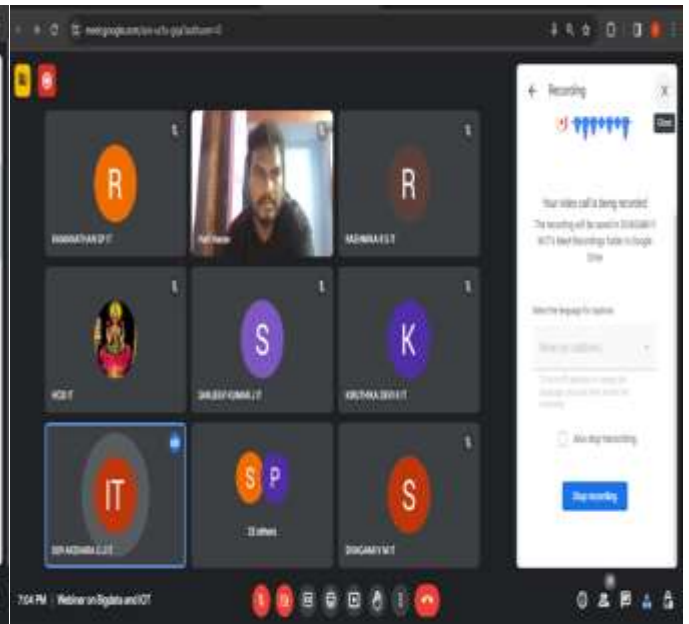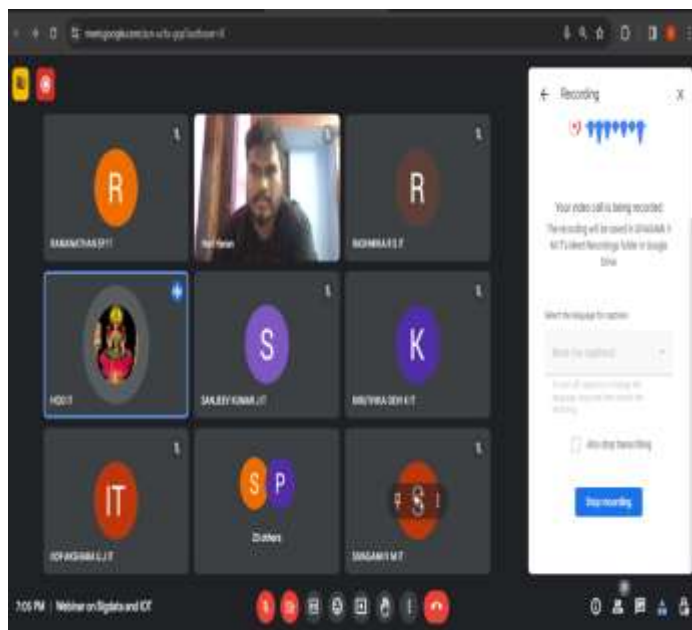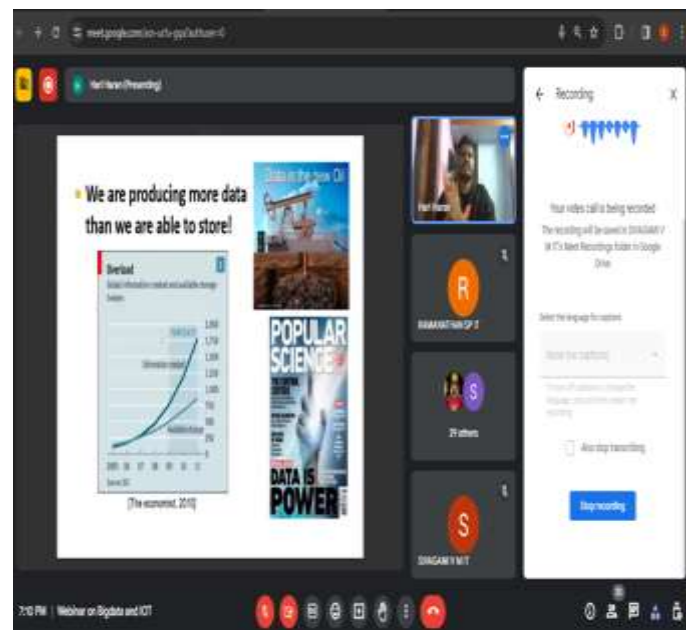# MOMENTS–FREEZED

Prayer Song by Ms. Rashmika, II year IT

Welcome Address by Ms.Akshara, IV year IT

A Short note by HOD/INT

Presentation by Chief Guest

CHIEFGUEST PROFILE

Mr. Hariharan D

Senior Data Engineer, Walmart Global Tech, Bengaluru. (IT alumnus 2012-16)

Brief Profile

- Around 6 years of Software Industry experience with focus on requirement analysis, design, Development, performance tuning, coding, quality reviews and sustenance of Big Data and ETL projects. Developing framework for Data Ingestion in Data Lake.

Educational Qualifications

Sri Venkateswara College of Engineering

Bachelor of Technology – B. Tech, Information Technology,

2012 – 2016.

Honors & awardsHonors & awards

Alrounder of the year

Issued by Cognizant ·

Sep 2018Associated with Cognizant

Shining star of the year

Issued by Cognizant · Sep 2017

Awarded the Shining star of the year of the best performance in Big data in the organization.

Skill sets

Apache Storm

Apache Airflow

Azure Data Lake

Azure Databricks

SRI VENKATESWARA COLLEGE OF ENGINEERING
Pennalur,SriperumbudurTaluk-602117

DEPARTMENT OF INFORMATION TECHNOLOGY
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Solicit our esteemed presence for the

Webinar On

"Big Data with Cloud Computing"

by

Mr. Hariharan D
IT Alumni (2012-16)
Walmart Global tech
Senior Data Engineer
Bengaluru

DATE   :   22.03.2024
TIME   :   7.00 PM
VENUE   :   Online Mode(meet.google.com/asn-ucfu-gqa)

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Pennalur, Sriperumbudur Taluk-602117

DATE   :   **22.03.2024**

TIME   :   **7.00PM**

VENUE   :   **Online Mode (meet.google.com/asn-ucfu-gqa)**

AGENDA

- Prayer Song

- Welcome address

- Short note by HOD

- Introduction to Chief Guest

- Special talk by Chief Guest

- Questionnaire and Feedback

- Vote of Thanks

Event Coordinators
Dr.D.Jayanthi,ASP/IT
Dr.K.Kiruthika Devi,ASP/IT
Dr.S.Kalavathi,AP/IT

AIT Coordinators
Dr.V.M.Sivagami,Prof/IT
Mr.A.Thiyagarajan,AP/IT

ATTENDANCE SHEET

First name	Last name	Email	Duration	Time joined	Time exited
Hari	Haran	hara*********@***.com	41 min	7:01 PM	7:43 PM
HARISH KUMAR P	IT	2020it0729@svce.ac.in	19 min	6:53 PM	7:13 PM
ELAKYA R	INT	elakyar@svce.ac.in	49 min	6:55 PM	7:44 PM
KAVISHREE S	INT	kavishrees@svce.ac.in	16 min	7:27 PM	7:43 PM
005 ADHITHYA S	IT	2020it0576@svce.ac.in	39 sec	7:17 PM	7:18 PM
009 AKSHARA U.J	IT	2020it0153@svce.ac.in	51 min	6:52 PM	7:43 PM
054 MEGHAVARSHINI K	IT	2020it0570@svce.ac.in	46 min	6:57 PM	7:43 PM
55_LOGESWARI P	IT	2021it0037@svce.ac.in	35 min	7:07 PM	7:42 PM
AARTHI A	IT	2022it0052@svce.ac.in	14 sec	6:57 PM	6:57 PM
ADITHYAN A	IT	2022it0968@svce.ac.in	29 min	6:56 PM	7:25 PM
AISHWARYA S	IT	2021it0690@svce.ac.in	16 min	7:10 PM	7:26 PM
AJAY R	IT	2021it0789@svce.ac.in	30 min	7:00 PM	7:30 PM
ASHWIN M P	IT	2021it0802@svce.ac.in	16 min	6:57 PM	7:13 PM
ASHWIN R	IT	2021it0718@svce.ac.in	11 min	7:15 PM	7:27 PM
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DHANUSH D S	IT	2022it0536@svce.ac.in	19 min	6:53 PM	7:11 PM
FRANCIS INIGO RAJ L	IT	francis@svce.ac.in	45 min	6:58 PM	7:43 PM
HEMANTH M	IT	2021it0774@svce.ac.in	16 min	6:55 PM	7:12 PM
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KEERTHANA R E	IT	2021it0813@svce.ac.in	28 min	6:59 PM	7:27 PM
KEERTHANA S	IT	2022it0100@svce.ac.in	36 min	6:56 PM	7:43 PM
KIRUTHIKA DEVI K	IT	kiruthika@svce.ac.in	51 min	6:52 PM	7:43 PM
MEENAKSHI P	IT	meenakship@svce.ac.in	48 min	6:55 PM	7:43 PM
MOTHISH N	IT	2023it0807@svce.ac.in	33 sec	6:58 PM	6:59 PM
Praveenkumar V	IT	praveenkumarv@svce.ac.in	49 min	6:52 PM	7:43 PM
PRIYANGA L	IT	2021it0080@svce.ac.in	49 min	6:54 PM	7:43 PM
PRIYANKA I	IT	2021it0647@svce.ac.in	16 min	6:54 PM	7:10 PM
RAJA VISHALINI G	IT	2022it0129@svce.ac.in	44 min	7:00 PM	7:43 PM

RAMANATHAN SP	IT	2021it0155@svce.ac.in	51 min	6:50 PM	7:43 PM
RAMKISHORE A V	IT	2023it0083@svce.ac.in	16 min	7:19 PM	7:35 PM
RASHMIKA R S	IT	2022it0117@svce.ac.in	51 min	6:52 PM	7:43 PM
SANJEEV KUMAR J	IT	2022it0022@svce.ac.in	47 min	6:57 PM	7:43 PM
SIVAGAMI V M	IT	vmsiva@svce.ac.in	53 min	6:51 PM	7:44 PM
SUGACINI M	IT	msugacini@svce.ac.in	30 min	6:56 PM	7:26 PM
THIYAGARAJAN A	IT	thiyagarajana@svce.ac.in	17 min	7:26 PM	7:43 PM
UMA T D	IT	2021it0136@svce.ac.in	24 min	6:54 PM	7:18 PM
YAGNESH R	IT	2022it0843@svce.ac.in	45 min	6:52 PM	7:37 PM
LAKSHMI K	IT-54	2021it0357@svce.ac.in	18 sec	6:58 PM	6:58 PM
KEERTHANA	M-IT	2021it0054@svce.ac.in	30 min	7:13 PM	7:43 PM

FEEDBACK

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031	HARISH KUMAR P IT	2020it0729@svce.ac.in	Excellent
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SURESH K	It	ksuresh@svce.ac.in	Very good
005 ADHITHYA S	IT	2020it0576@svce.ac.in	Very good
009 AKSHARA U.J	IT	2020it0153@svce.ac.in	Excellent
054 MEGHAVARSHINI K	IT	2020it0570@svce.ac.in	Very good
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AJAY R	IT	2021it0789@svce.ac.in	Very good
AKKASH A	IT	2021it0472@svce.ac.in	Excellent
ASHWIN M P	IT	2021it0802@svce.ac.in	Excellent
ASHWIN R	IT	2021it0718@svce.ac.in	Excellent
CHITHAPRABHAKARAN K	IT	2021it0296@svce.ac.in	Very good
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DHANUSH D S	IT	2022it0536@svce.ac.in	Very good
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Praveenkumar V	IT	praveenkumarv@svce.ac.in	Excellent
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