NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

COMPUTER SOCIETY OF INDIA ESTD. 1965

Presents

An alumni talk on

DISTRIBUTED DATA PROCESSING AND INNOVATION WITH APACHE SPARK

Date: 13th January 2023

Time: 10:00 am to 1:00 pm

Venue: Falconry Seminar Hall

Mr. Ankit Kumar
Software Engineer, Oracle Cerner, Bangalore.

FACULTY CO-ORDINATOR
MR. GOVINDARAJ M

CONVENOR
DR. V. ASHA
HOD – DEPARTMENT OF MCA

NEW HORIZON
COLLEGE OF ENGINEERING
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

REPORT OF ALUMNI TALK ON "DISTRIBUTED DATA PROCESSING AND INNOVATION USING APACHE

ORGANIZED BY: DEPARTMENT OF MCA

Date: 13th January 2023

Timing: 10:00 a.m. to 01:00 p.m.

Organised by: MCA Department

Faculty Programme Co-ordinator: Prof. Govindaraj M, Sr. Assistant Professor, Department of MCA, New Horizon College of Engineering, Bengaluru.

Convenor: Dr. V. Asha, Professor, Department of MCA, New Horizon College of Engineering, Bengaluru.

Participants: III Sem MCA Students

No. of participants: 50

Details of the Resource Persons:

Mr. Ankit Kumar,

Software Engineer,

Oracle Cerner, Bangalore

Profile of the Expert:

Mr. Ankit Kumar is a Software Engineer currently working in Oracle Cerner in a Big Data Team. He works on Big Data applications that serves at least 1 million requests per day. He is an alumni of MCA Department,New Horizon College of Engineering passout in 2022 and the First Rank holder.

He also has experience in working as a FullStack Backend Engineer in a startup and freelancing. Apart from Working on Big Data he also work on Full Stack Applications and Cloud Applications in the same team.

Objective:

The objective of the sessions is to give an insight on Big data applications built using Apache Spark and also efficient coding practices.

Content:

- Introduction to Big data and Apache Spark
- Big data applications built using Apache Spark
- Efficient coding tips

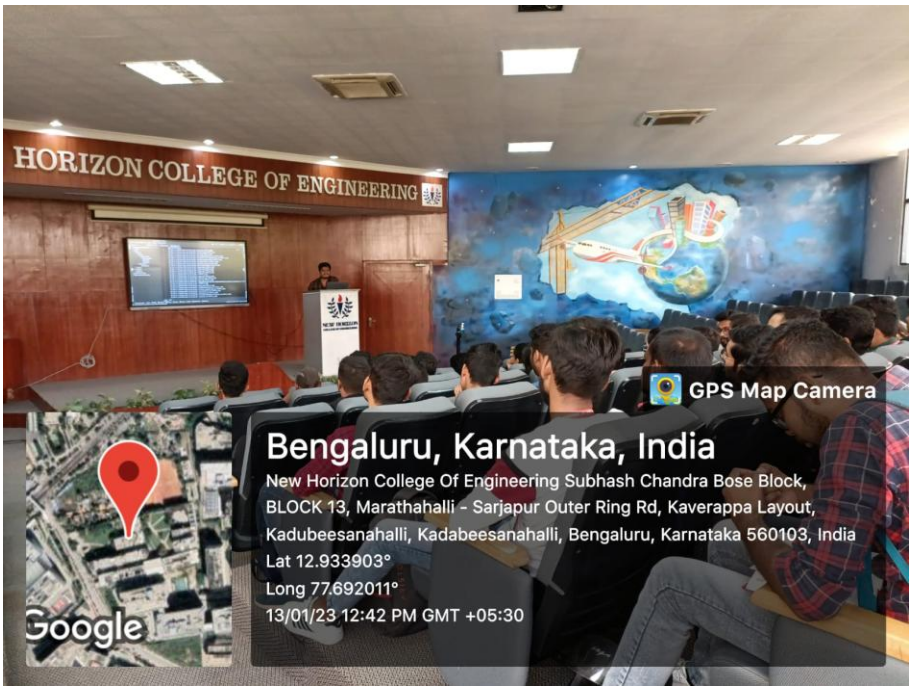
Summary of Content:

Apache Spark is an open-source, distributed processing system used for big data workloads. It utilizes in-memory caching, and optimized query execution for fast analytic queries against data of any size. It provides development APIs in Java, Scala, Python and R, and supports code reuse across multiple workloads—batch processing, interactive queries, real-time analytics, machine learning, and graph processing.

The workshop started with a brief introduction about general concept of big data, tools and applications. It was an interactive session and students came up with various solutions to solve a problem. Workshop further had an intermediate level which included topics like the working of Apache Spark, map function, lambda function, DataFrames, Distributed Dataset (RDD), and filters.

The session ended with a few discussions about the benefits of Apache Spark, its use big data applications at industry level, how to improve coding. Students were benefited by this session and had a great learning experience.

Snapshot of the session:



Outcome:

By the end of the workshop, the participants learnt the details about big data applications, the working of Apache Spark and how to implement it in real time scenarios. The workshop provided a good insight on various applications on big data. It helped students to understand coding practices in industry for efficient handling of projects.

Prof. Vishwanatha C. R. **Dr. V. Asha**

Coordinator **Convenor**

Name	Quality of the Workshop content	Clarity of the presentation	Effectiveness on examples depicted during Workshop	Do you want to participate in this kind of Workshop in future?	Do you have any suggestions?
Namrata Shet	Good	Good	Good	Yes	No
Manoj Kumar P M	Excellent	Excellent	Good	Yes	No
Manoj Kumar A R	Excellent	Excellent	Excellent	Yes	No
Anju Shree R	Good	Good	Good	Yes	No
Madava Raj K	Good	Good	Good	Yes	No
Kundan kumar	Excellent	Excellent	Excellent	Yes	No
Kajal M	Excellent	Excellent	Excellent	Yes	No
Adarsh Jaiswal	Excellent	Excellent	Excellent	Yes	No
Adarsh Eswar	Good	Good	Good	Yes	No
Geeta kumari	Good	Good	Good	No	No
Dobariya Parth	Excellent	Excellent	Good	Yes	No

Aditya Venkat Ganesh	Excellent	Excellent	Excellent	Yes	No
Basil John	Excellent	Excellent	Good	Yes	No
Arshe Alam	Good	Good	Good	Yes	No
Jain Komal	Excellent	Good	Good	Yes	No
Anupam Kumar	Good	Good	Good	No	No
Aishwaraya R	Excellent	Excellent	Excellent	Yes	No
Akhary Nimit	Excellent	Excellent	Excellent	Yes	No
Athira M V	Excellent	Excellent	Excellent	Yes	No
Marshal Martin	Good	Good	Good	No	No
Nivash CP	Good	Good	Good	Yes	No
Rajeev Nayan	Good	Good	Excellent	Yes	No
Rohan R	Excellent	Good	Good	Yes	No
Rohit p sail	Excellent	Excellent	Excellent	Yes	No
Satish Singh	Excellent	Excellent	Excellent	Yes	No

Suma N	Good	Good	Good	Yes	No
Shibu Rana	Excellent	Good	Excellent	Yes	No
Suma.C.M	Excellent	Excellent	Excellent	Yes	No
Preethi T S	Excellent	Good	Good	Yes	No
Prajwal G C	Excellent	Excellent	Excellent	Yes	No