

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



VTU SPONSORED
Five Days Faculty Development Programme on
"BIG DATA ANALYTICS"
(15CS82 CBCS as per VTU Syllabus)
(21st Jan 2019 – 25th Jan 2019)



FACULTY DEVELOPMENT PROGRAMME REPORT

DAY 1 – 21st JANUARY 2019

MORNING SESSION:

The FDP started at 8:30 AM with a registration session and followed by inaugural session on 21st January, 2019 morning at 10:30 AM at Falconry Hall. The program started by an invocation song sung by our department faculty, followed by lighting the lamp. Dr. B. Rajalakshmi, Professor and Head, Department of Computer Science and Engineering, Convener of the FDP, gave welcome address by inviting the gathering which includes around 30 external participants from various engineering colleges in and around Karnataka, various department heads and faculty members of New Horizon College of Engineering. Dr. Prasanth CSR, Professor and Dean Academics, explained the significance of the FDP. Presidential address was delivered by Dr. Manjunatha, Principal, NHCE. Dr. Suresh, Director, CIT, Gubbi, Executive Council Member, VTU, Chairman IE, Tumkur, Local Center was the chief guest for the inaugural function, shared his valuable thought about the technologies of the decade and how big data is influencing the business market. The session was followed by release of the course material by the dignitaries and concluded by proposing vote of thanks by Dr. Vinitha, Professor, CSE, NHCE. The inaugural session was followed by a group photo session with the participants along with the chief guest of the day.



Dignitaries on the Dias for the inaugural programme



Dr. Suresh, Director, CIT, Gubbi, Executive Council Member, VTU, Chairman IE, Tumkur, Local Center, Chief Guest of the day lighting the lamp



Dr. B. Rajalakshmi, Professor and Head, Department of Computer Science and Engineering, Convener of the FDP, giving welcome address to the gathering



Dr. Prasanth CSR, Professor and Dean Academics, explaining the significance of the FDP



Dr. Manjunatha, Principal, NHCE, delivering his presidential address



Dr. Suresh, Director, CIT, Gubbi, Executive Council Member, VTU, Chairman IE, Tumkur, Local Center, Chief Guest of the day, delivering his speech



Release of the course material by the dignitaries



Group photo session with the participants along with the chief guest

AFTERNOON:

Day 1 session started at 12 PM, at HPE Lab with an introduction of the resource persons Mr. Kumar Saurabh, Senior Data Scientist, Mind Tree, Bangalore and Mr. Nimish Kumar, Team Lead, Walmart Labs, by our faculty Ms. Rajitha Nair, Assistant Professor (2), preceded by our Head of the Department, Dr. B. Rajalakshmi in handing over the saplings to the guest speakers of the session. The resource persons focused on the machine learning concepts by giving an overview about Python basics, Python Numpy framework. Followed by introduction to linear regression, classification methods – logistic regression, decision tree, Navie Bayes, clustering and neural network concepts. The session was quiet informative and interactive. Participants interacted with the resource persons and cleared their doubts that they had during the session.



Ms. Rajitha Nair, Assistant Professor (2), introducing the resource persons of the session to the participants at HPE Lab



Dr. B. Rajalakshmi, Professor and Head, Department of Computer Science and Engineering, Convener of the FDP, welcoming Mr. Kumar Saurabh, Senior Data Scientist, Mind Tree, Bangalore, with a sapling



Dr. B. Rajalakshmi, Professor and Head, Department of Computer Science and Engineering, Convener of the FDP, welcoming Mr. Nimish Kumar, Team Lead, Walmart Labs, Bangalore, with a sapling

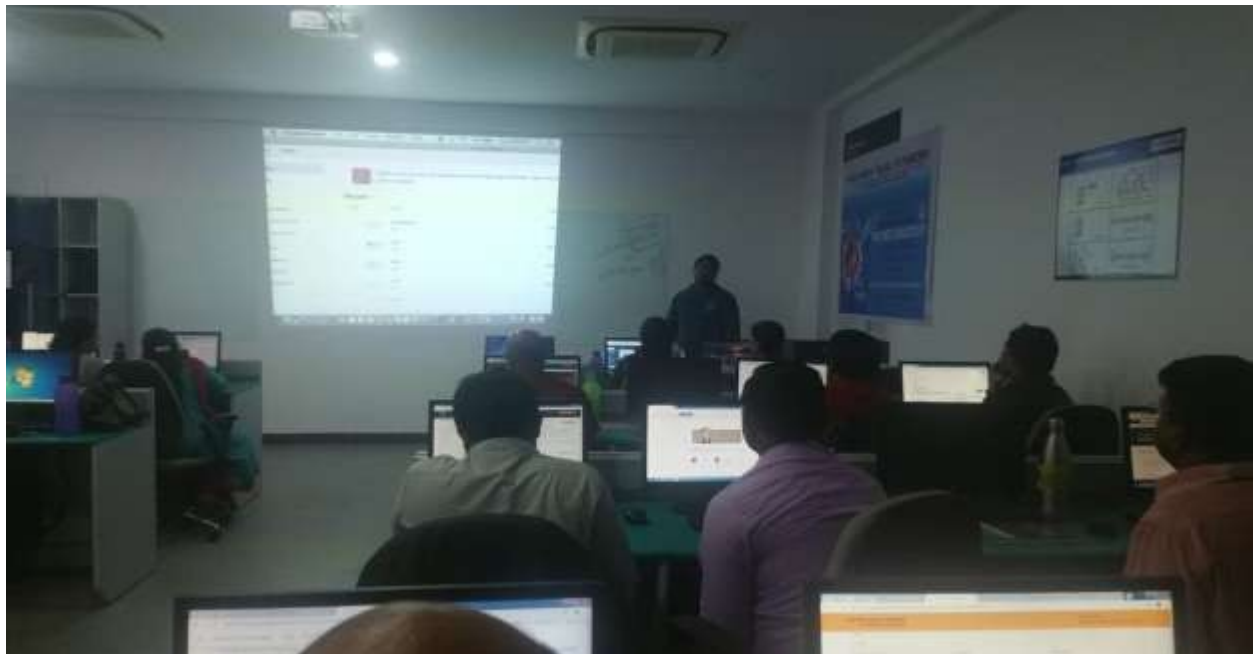
Mr. Nimish Kumar, Team Lead, Walmart Labs, Bangalore, delivering his presentation

DAY 2 - 22nd JANUARY 2019

Day 2 session started at 9:30 AM, at HPE Lab with an introduction of the resource person Mr. Prabhakar Reddy, Big Data Engineer, Amazon Web Service, Bangalore by our faculty Ms. R. Jaya, Senior Assistant Professor, CSE. The resource person shared his knowledge about data warehousing, OLAP, OLTP concepts followed by hands-on session on AWS Clue, Amazon Athena.



Mr. Prabhakar Reddy, Big Data Engineer, Amazon Web Service, Bangalore, delivering his content on data warehousing and OLAP



Participants experiencing hand-on AWS Athena and AWS Clue

DAY 3 – 23rd JANUARY 2019

MORNING SESSION:

Day 3 forenoon session started at 9:30 AM, at HPE Lab with an introduction of the resource person Dr. Kamatchi Priya, Associate Professor, Department of Computer Science and Engineering, New Horizon College of Engineering, Bangalore by our faculty Ms. Jisha Mariam Jose, Assistant Professor (2), CSE. She shared her knowledge about support vector machines followed by hands on session with R tool.



Dr. Kamatchi Priya, Associate Professor, Department of Computer Science and Engineering, New Horizon College of Engineering, Bangalore introduce to the participants by Ms. Jisha Mariam Jose, Assistant Professor, CSE



Participants experiencing hand-on

AFTERNOON SESSION:

Day 3 afternoon session started at 1:30 PM, at HPE Lab with an introduction of the resource person Mr. Kalyan Chembeti, Principal Big Data, Specialist Analytics, Happiestminds, Bangalore by our faculty Ms. Rajitha Nair, Assistant Professor (2), CSE. The participants were introduced with the Hadoop concepts followed by hands-on session on various Hadoop tools, Hbase, Spark, and Hive.



Mr. Kalyan Chembeti, Principal Big Data, Specialist Analytics, Happiestminds, Bangalore, sharing his knowledge on Hadoop tools

DAY 4 – 24th JANUARY 2019

MORNING SESSION:

Day 4 morning session started with an introduction of the resource person Mr. Chandrsekhar, Senior Software Engineer, Impetus Infotech, Bangalore. The participants were introduced with HDFS architecture and Map-Reduce. Later the session was taken over by Ms Jisha , Assistant Professor, Department of Computer Science and Engineering. Participants experienced hands-on Map-Reduce concepts.



Mr. Chandrsekhar, Senior Software Engineer, Impetus Infotech, Bangalore. Ms. Jaya, Sr. Assistant Professor, CSE, NHCE handing the sapling

AFTERNOON SESSION:

Day 4 afternoon session with an introduction of the resource person Mr. Sachin, Principal Architect AI Technology, IoTian Technologies, Bangalore. The participants were introduced with Text mining techniques with case studies on web and social network analysis.

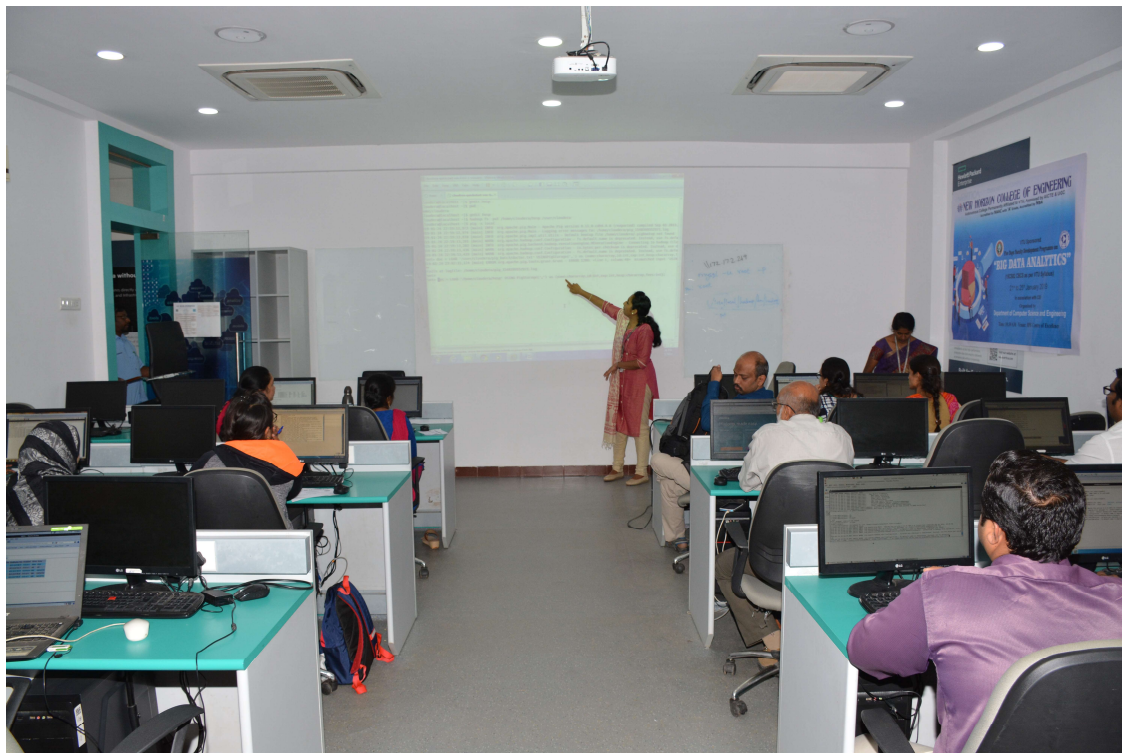


Mr. Sachin, Sr. Principal - AI Technology, Bangalore, sharing his knowledge on text mining techniques

DAY 5 – 25th JANUARY 2019

MORNING SESSION:

Day 5 Morning session was handled by Ms.Jisha and provided hands on various Hadoop tools like Hbase, Spark, Hive and Pig.



Ms.Jisha, Assistant Professor, CSE, NHCE sharing her knowledge on Hadoop tools

AFTERNOON SESSION:

The five days FDP program was concluded with a valedictory program was presided by Dr. B. Rajalakshmi, Professor and Head, CSE, NHCE and Dr. Gopalakrishnan, Head R&D, NHCE was the chief guest of the day. Our chief guest of the day handed over the participation certificate to the participants.



Dr. Gopalakrishnan, Head R&D, NHCE, delivering his valedictory address



Dr. Gopalakrishnan, Head R&D, NHCE, giving away the certificate to the participant