

SCHOOL OF COMPUTER, INFORMATION AND MATHEMATICAL SCIENCES

Short Term Training Programme on “Big Data Analytics for Business Intelligence”. (16.12.2019 – 21.12.2019)

Programme Report

A one week short term training programme was organized by the School of Computer, Information and Mathematical Sciences, B.S. Abdur Rahman Crescent Institute of Science and Technology from 16-12-2019 to 21-12-2019 at IBM –Lab. The inaugural function of the programme held at the Seminar Hall was attended by participants from various institutions and organizations along with faculty members and Heads of the various departments, Deans and Directors of this prestigious institution of repute with 36 years of academic excellence.

Dr. Venkatesan Selvam, Dean–SCIMS welcomed the gathering, *Dr. A. Azad*, the registrar delivered the presidential address by focusing the need and importance of the Short Term Training Programme. *Dr. N. Ayyanathan*, Associate Professor introduced the Chief Guest *Dr. D. Janakiram*, Professor, Department of Computer Science & Engineering, Indian Institute of Technology, Madras was the Chief Guest and delivered the inaugural address. *Dr. Gufran Ahmad Ansari*, Professor-Department of Computer Applications proposed the vote of thanks for the inaugural function.

Dr. D. Janaki Ram, Professor/IIT Madras was the speaker for the first session on 16/12/2019 at IBM Lab. He spoke on the concepts of Big Data Analytics and gave introduction to the Training Programme and explained the current challenges in designing big data projects for engineering and health care solutions providing organizations in the country. The afternoon session was handled by the resource persons Ms. Ramya Natesan and Mr. Parthasarthy from Agilisum Technologies, Chennai. They gave hands on session to the participants in accessing the Amazon Web Services Cloud and introduced the fundamental concepts of Hadoop ecosystem.

The **second day** (17-12-2019) morning session was handled by the Mrs. Shenbagapriya and Dr. Sowmya and they gave introduction to SMART CITY application on Geo Spatial Data Analytics using Python which was based on the unstructured MAP file formats of the big data systems. The afternoon session on Data Visualization using Tableau was handled by Dr. Reshmy and Dr. Sudha Rajesh.

The **third day** (18-12-2019) of the STTP, Started with a session on Musical Data Analysis using MONGO DB. Dr. Priyadharshini introduced the important concepts on storing the unstructured data and analyzing it using the popular and industry standard NoSQL database called MONGO DB. The afternoon session was on Business Intelligence using IBM Cognos. The resource person Mr. Veerababu from IBM Bangalore took session and gave hands on training to the participants.

The **fourth day** (19-12-2019) began with Genomics Data analysis using R programming. Dr. Ramya and Ms. Sharatha performed the implementation of the solution methodology using R programming for the exclusive case study on genomics dataset. The afternoon session was handled by Mr. Mahadev Otto and Dr Aijaz and the topic was on the Time series data analysis of insurance dataset using IBM SPSS.

The **fifth day** (20-12-2019) **morning** session was handled by Dr. Pethuru Raj and team of Reliance JIO Info communications Ltd, Bangalore. The session was on Apache Spark and Machine Learning training in the AWS cloud environment. The implementation was done using the SPARK machine learning algorithm and predictive analytics was demonstrated to the participants. They provided in depth hands on training to all the participants. The last technical session of the programme was taken by Dr. Pethuru Raj on edge analytics and he concluded the short term course with various emerging technologies and approaches.

The valedictory function (21-12-2019) was arranged in the seminar hall of the MBA department. Dr. Venketesan Selvam, Dean –SCIMS welcomed the gathering and Dr. N. Ayyanathan introduced the chief guest to the audience and presented the brief report on the Training Programme.

Dr. Pethiru Raj as Guest of Honor delivered the valedictory address and distributed the certificates to the participants. Dr. Gufran Ahmad Ansari, Professor & Head of the Computer Applications proposed the vote of thanks.

The Valedictory Programme successfully concluded by Group Photo session and with High Tea.

Coordinator

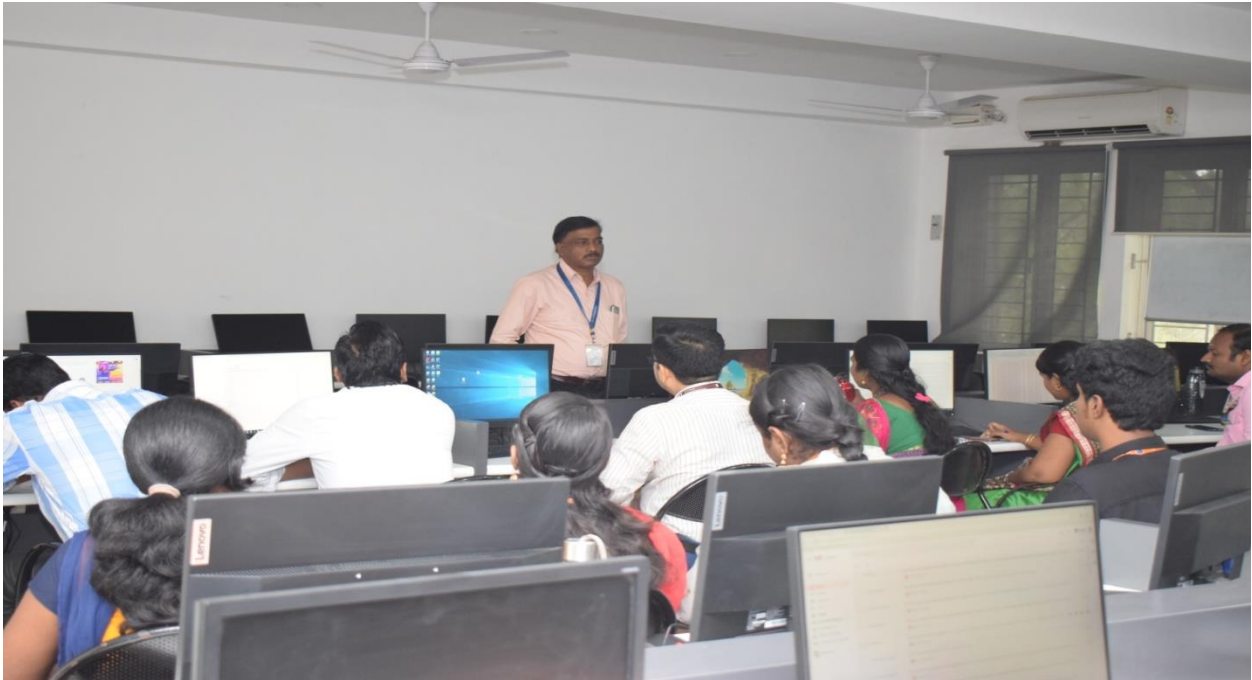
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Inaugural Session





Training Session



Valedictory Session





Group Photo

