Department of Computer Science and Engineering

FACULTY DEVELOPMENT PROGRAMME

A Two Day Faculty Development Programme on **"Data Analytics and Machine Learning with R"** under **TEQIP-II** is organized by the Department of CSE for faculty members and research scholars of various institutions during **21-22 October 2016. Dr. K. Vivekanandan**, Dean & Professor, Computer Science and Engineering, Pondicherry Engineering College, Puducherri, **Mr. Sarang Venukula**, Data Scientist, Karvy Analytics, Hyderabad, **Mr. Abhinav Srivastav**, Data Scientist, Karvy Analytics, Hyderabad, **Mr. A.V. Sriharsha**, Associate Professor, CSE, Sree Vidyanikethan Engineering College are the resource persons. A total of 80 Faculty from various Engineering Colleges participated in the program.
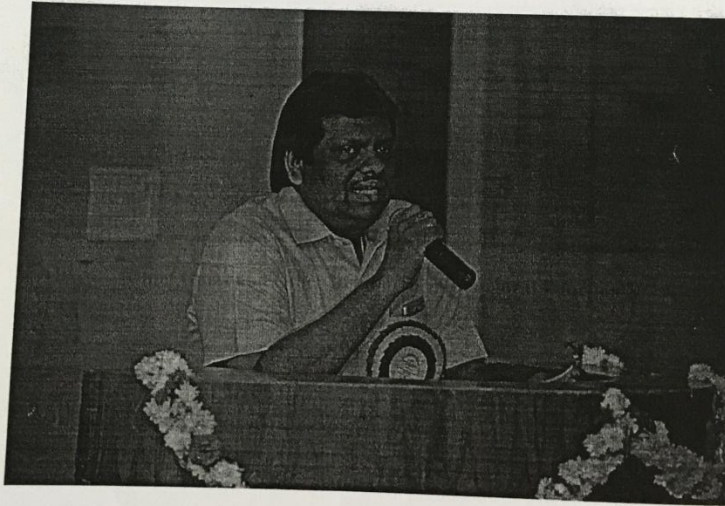
Dr. K. Vivekanandan commenced the first session with his keynote on "Challenges, Opportunities and Research Issues in Data Analytics". **Mr. Sarang Venukula** presented lectures on "Introduction to Machine Learning with R" and "Data at Scale - Working with Business Data (Big Data for Analytics)". **Mr. Abhinav Srivastav** shared his views and practical experience on "Data Management and Manipulation with R" and "Classification and Clustering with R". **Mr. A.V. Sriharsha** presented lecture "Visualization of Data with R". The sessions were interactive, knowledgeable and more practical.

Outcomes:

✓ Faculty were introduced to the emerging trends of Data Analytics and the current challenges and opportunities in the discipline.

✓ Faculty gained an in-depth knowledge and research orientation in the areas of Data Analytics and Machine Learning.

✓ Faculty gained ability to use R-Tool to apply Machine Learning algorithms on Datasets and to analyze the results.

✓ Faculty gained knowledge of how to apply Clustering and Classification algorithms to large data sets to extract meaningful insights.

✓ Faculty gained knowledge on how to select appropriate data visualizations to clearly communicate analytic insights to business sponsors and analytic audiences.

✓ Faculty are Motivated to use Data Analytic & Visualization Libraries such as R in their research work.

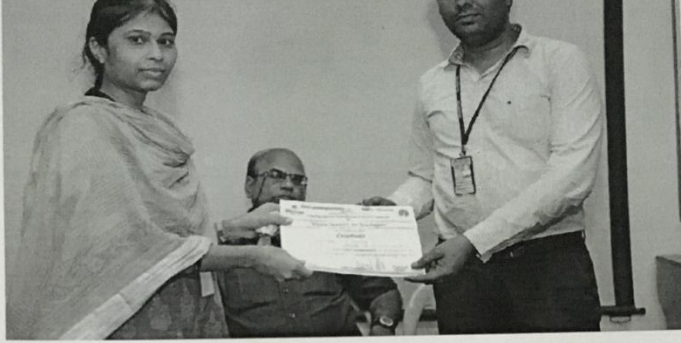**Chief Guest and Other Dignitaries in Inaugural Function**

Dr. K. Vivekanandan delivering keynote on "Challenges, Opportunities and Research Issues in Data Analytics"

Mr. Abhinav Srivastav delivering lectures on "Data Management and Manipulation with R" and "Classification and Clustering with R"

Mr. Sarang Vanukula delivering lect

Certificate Distribution for the Participants in the Valedictory Function by Convener.