# Report on Skill Development Programme

## SREE VIDYANIKETHAN
### Engineering College

## "Machine Learning Techniques & Data Visualization Tools"

### (19-20 January, 2018)

Skill Development Program (SDP) was organized by Department of Information Technology, Sree Vidyanikethan Engineering College, A. Rangampet. The SDP was organized for two days i.e., January 19-20, 2018 for the benefit of students of III B. Tech-IT. About 94 students are actively participated and gained useful information from all the sessions.

### Day 1: 19-01-2018 (Friday)

### Session 1:

The skill Development Program was addressed by **Dr. K. Ramani,** HOD of IT & Convener of the Programme, at 9:00 A.M. The first session was initiated by **Mr. A. Srinivasulu,** Associate Professor of IT, SVEC from 9.15 AM – 11.15 AM, and he delivered session on 'Overview of SPARK, the features of SPARK and the differences between SPARK and Hadoop'. The students interacted with resource person is very informative.

### Session 2:

**Dr. O. Obulesu,** Associate Professor of IT, SVEC handled a session from 11.30 AM – 1.30 PM, and delivered a lecture on 'Basics of R Studio, Loops, Functions, Data frames and aggregations'. The students interacted with resource person and discussed about implementation algorithms and datasets they are analysing in their academic & research work.

### Session 3:

**Mr. A. Srinivasulu,** Associate Professor of IT, SVEC, from 2:00 PM – 3.30 PM, demonstrated on 'SPARK framework and its Ecosystem'. The students fascinated with implementation of machine learning algorithms such as K-means and k-nearest neighbors.

**Session 4:**

**Dr. O. Obulesu**, Associate Professor of IT, SVEC, handled a practical session on 'Implementation of Association Rules Learning and Linear Regression using R-Studio' from 3:45 PM – 5.00 PM

**Day 2: 20-01-2018 (Saturday)**

**Session 1:**

**Mr. Anki Reddy Polu,** Lead Engineer, SoftwareAG Chennai development center, demonstrated on 'Elastic Search and Kibana framework and Anatomy of a Kibana Tool' from 9:00 AM – 11.00 AM. The students interacted with resource person and he clarified their doubts.

**Session 2:**

**Mr. Ramesh Ragala,** Senior Assistant Professor of SCSE, Vellore Institute of Technology, Chennai 'Demonstrated all the features and options involved in Tableau visualization tool' from 11.15 AM – 1.15 PM. The students interacted with him to discuss about advanced data visualization methods used in Tableau.

**Session 3:**

**Mr. Anki Reddy Polu,** Lead Engineer, SoftwareAG Chennai development center, delivered a lecture on 'Kibana installation and dashboard creation' from 1:45 PM–3.45 PM. The students interacted with him to discuss about real time analytics on Kibana and Elastic search.

**Session 4:**

**Mr. Ramesh Ragala,** Senior Assistant Professor of SCSE, Vellore Institute of Technology, Chennai, demonstrated on 'Integration of R with tableau and simple machine learning techniques such as decision trees, k-means clustering algorithm using R Studio tool' from 4:00 PM – 5.30 PM.

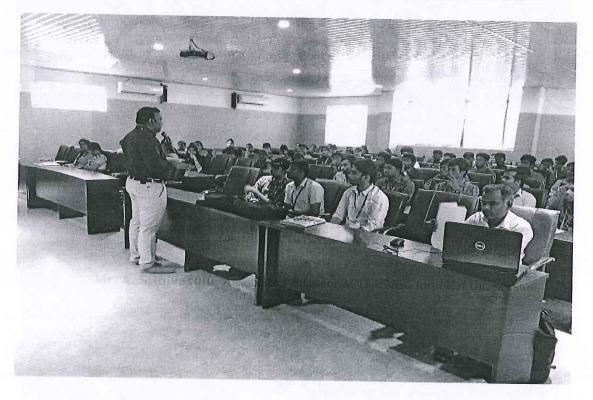Fig. 1: **Mr. A. Srinivasulu**, Associate Professor of IT, SVEC initiated the session



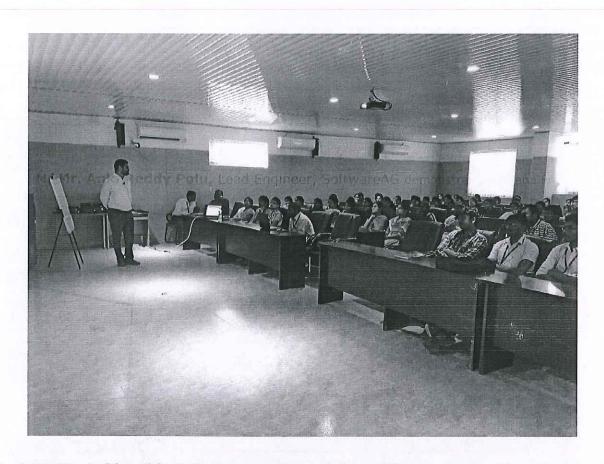Fig. 2: **Dr. O. Obulesu**, Associate Professor of IT, SVEC addressing the gathering.

Fig. 3: **Mr Mr. Anki Reddy Polu,** Lead Engineer, SoftwareAG demonstrating Kibana Framework.



Fig. 4: **Mr. R. Ramesh,** Assistant Professor (Sr), VIT-Chennai demonstrating Tableau tool.