SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

Sree Sainath Nagar, Tirupati – 517 102

Department of Information Technology

One Week Faculty Development Programme
on
"Free and Open Source Software (FOSS)"

December 03-07, 2018

Department of Information Technology organized one week Faculty Development Program (FDP) on "Free and Open Source Software (FOSS)" during December 03-07, 2018 at Sree Vidyanikethan Engineering College, A. Rangampet. About 60 faculty members are actively participated and gained useful information from all the sessions.

Day 1: 03-12-2018 (Monday)

The faculty Development Programme was inaugurated by **Dr. V. V. Rama Prasad**, Professor of CSE & BoS Chairman, **Dr. K. Ramani**, HoD of IT & Convener, **Dr. L. V. Reddy,** Professor of IT and **Dr. O. Obulesu**, Associate Professor of IT and Coordinator of the Programme, at 10:00 A.M.

On this Occasion, **Dr. K. Ramani**, Professor & Head, Dept. of IT, SVEC welcomed all the dignitaries and delegates. In her welcome speech, she highlighted the importance and objectives of the faculty development programme on FOSS.

Dignitaries on the Dias during Inauguration on 03-12-2018

Session 1: Dr. K. Ramani, Professor & HOD of IT, SVEC, delivered a lecture on "**Overview of FOSS**" from 10.30 AM to 11.30 AM. She interacted with the participants and clarified their doubts regarding the applications of Free and Open Source Software.

Dr. K. Ramani, Professor & Head of IT delivering a lecture on "Overview of FOSS".

Session 2: Dr. K. Khaja Baseer, Associate Professor of IT, SVEC, delivered a lecture on "Python Basics" from 12.00 PM to 1.00 PM. He discussed fundamentals of Python Programming.

Session 3 & 4: Dr. K. Khaja Baseer, Associate Professor of IT, SVEC, demonstrated "Machine Learning Techniques using Python" from 2.00 PM to 5.00 PM. In his sessions, discussed about Linear and Multiple Linear Regression and clustering techniques using Python.

Dr. K. K. Baseer, Associate Professor delivered a lecture on "Python Basics & Regression Analysis using Python".

Day 2: 04-12-2018 (Tuesday)

Session 1 & 2: Mr. P. Srinivasa Reddi, Associate Professor of IT, SVEC delivered a lecture on the topics "Mobile Application Development using Android Studio" from 10:00 AM to 1.00 PM. He provided overview of Android studio and discussed about activities and services in Android Studio. He clarified participants' doubts regarding mobile application development.

Mr. P. Srinivasa Reddi, Associate Professor delivered a lecture on "Android Basics".

Session 3 & 4: Dr. Vellingiri J, Associate Professor of IT, SVEC delivered a lecture on the topics "Control Structures and Files in Python" from 2.00 PM to 5.00 PM. In his lecture, he focused on different loops such as while, for, do-while and also if-else statements etc.

Dr. Vellingiri J, Associate Professor delivered a lecture on "Control Structures in Python".

Day 3: 05-12-2018 (Wednesday)

Session 1 & 2: Dr. A. Srinivasulu, Professor of IT, SVEC delivered a lecture on the topics "Big Data Analytics using Spark" from 9:30 AM to 1.00 PM. He also focused on actions, transformations and clustering algorithms in Spark. He interacted with the participants and clarified their doubts on Big Data Analytics using Spark.

Dr. A. Srinivasulu, Professor delivered a lecture on "Big Data Analytics using SPARK".

Session 3 & 4: Dr. O. Obulesu, Associate Professor of IT, SVEC delivered a lecture on topics "Basics of R Studio and Statistical Analysis using R Studio" from 2.00 PM to 5.00 PM. He discussed about different types of regression techniques in R Studio. He interacted with the participants and clarified their doubts on regression techniques.

Dr. O. Obulesu, Associate Professor delivered a lecture on "Statistical Analysis using R".

Day 4: 06-12-2018 (Thursday)

Session 1 & 2: Dr. O. Obulesu, Associate Professor of IT, SVEC from 09.30 AM – 1.00 PM, delivered a lecture on the topic "Data Visualization using R Studio". He mainly discussed on different visualizations such as histogram, Box plot, Pie chart and scatter plots. He interacted with the participants and clarified their doubts on data visualization.

Dr. O. Obulesu, Associate Professor delivered a lecture on "Data Visualization using R".

Session 3 & 4: Mr. P. Srinivasa Reddi, Associate Professor of IT, SVEC from 2.00 PM – 5.00 PM, delivered a lecture on the topic "Messaging and Networking Application Development using Android Studio". He interacted with the participants and clarified their doubts on different android activities and services.

Mr. P. Srinivasa Reddi, Associate Professor delivered a lecture on "Android Services".

Day 5: 07-12-2018 (Friday)

Session 1: Ms. Ch. Prathima, Assistant Professor of IT, SVEC delivered a lecture on the topic "Deep Learning Techniques" from 09.30 AM to 11.00 AM. She also explained deep learning concepts with case studies.

Ms. Ch. Prathima, Assistant Professor delivered a lecture on "Deep Learning Basics".

Session 2: Ms. M. L. Haritha, Research Scholar of CSE, SVEC delivered a lecture on the topic "Text Data Analytics using Python" from 11.30 PM to 1.00 PM,. She explained algorithms and case studies in text data analytics using Pyhton.

Ms. M. L. Haritha, delivered a lecture on "Text Data Analytics using Python".

Session 3 & 4: Mr. Shaik Munwar, Lecturer, Govt. Degree College, Nagari, delivered a lecture on the topics "CloudSim and CloudAnalyst" from 2.00 PM to 5.00 PM. He demonstrated of CloudSim, CloudAnalyst tools and how to deploy applications in cloud.

Mr. Shaik Munwar, Govt. Lecturer delivered a lecture on "CloudSim and CloudAnalyst".

Faculty Participants of FDP on "Free and Open Source Software (FOSS)"

At the end, the programme was concluded with a vote of thanks given by **Dr. O. Obulesu,** Associate Professor of IT and coordinator of FDP.