

Department of Information Technology

A One Week Workshop for Young Faculty on “Data Science”

Sree Vidyanikethan Engineering College in association with IEEE Young Professionals Hyderabad Section (IEEE) organized a Workshop for Young Faculty on “Data Science” during 19th – 23rd June, 2018.

The workshop was organized with an objective to introduce Data Science to young faculty. Fruitful deliberations on challenges in the field of Data Science were addressed, both theoretically and practically.

In the inaugural session of the workshop was graced by Dr. P.C. Krishnamachary, Principal, SVEC, Dr. C. Subhas, Dean (Academics), Dr. K. Ramani, Professor & Head, SVEC and Program Coordinator Dr. L. V. Reddy, Professor, SVEC.



Prayer song by Mrs. K. Lalitha Assistant Professor, SVEC during the inaugural.



Dr. P.C. Krishnamachary, Principal, SVEC, addressing the Participants

Speaking on the occasion, Dr. P.C. Krishnamachary stressed on the importance and relevance of multi-disciplinary applicability of Data Science. Dr. L. V. Reddy, welcomed the participants and emphasized on Data Science as a need of the hour.



Dr. L.V. Reddy, Program Coordinator, SVEC, welcoming the Participants

The Chief Guest Dr. Atul Negi, Department of CSE, SICS, University of Hyderabad, Hyderabad in his inaugural address, explained the importance of Data Science in real life applications and thereby bridge the gap between the Industry and Academia. He also elucidated important applications of 'Data Categories and Classification'.



**Chief Guest Dr. Atul Negi, Department of CSE, SICS delivering inaugural address on
'Data Categories and Classification'**

The second session, 'An Overview of Data Science and Statistics' was handled by Dr. K. V. S Sarma, Retd. Professor, Department of Statistics, S.V University, Tirupati. Dr. M. Naresh Babu, Associate Professor, SVEC handled hands-on sessions on 'Artificial Neural Networks'



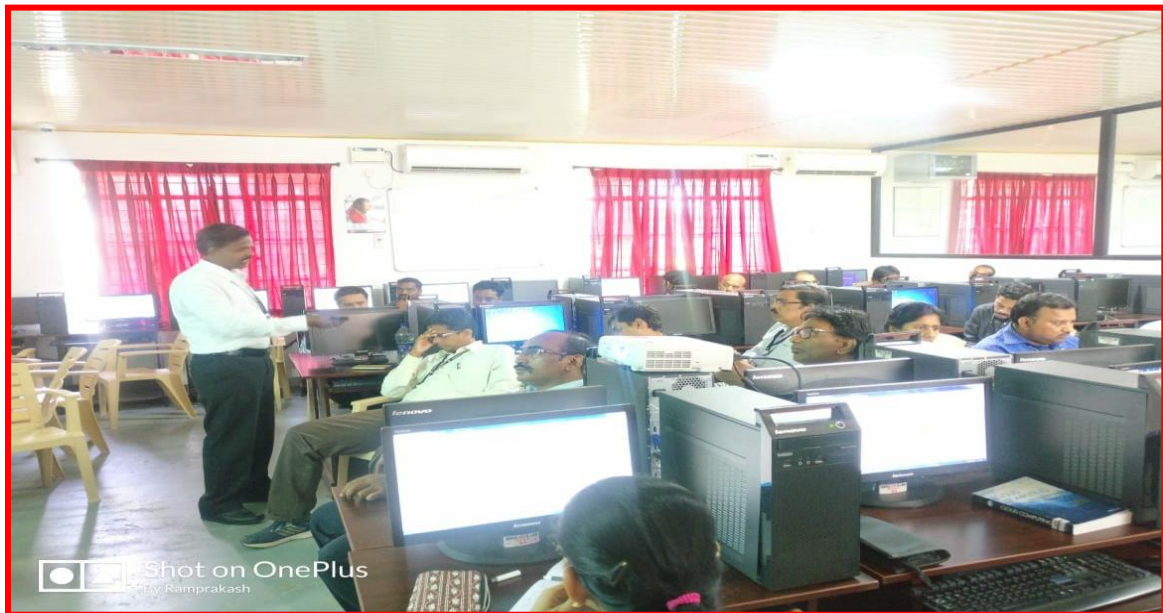
**Dr. K.V.Sarma Retd. Professor, Department of Statistics, S.V University, Tirupati
discussing "An Overview of Data Science and Statistics"**

The second day of the workshop began with sessions on 'Convolution Neural Networks' and 'Artificial Neural Networks and Convolution Neural Networks using Tensor Flow' by Dr. M Naresh Babu.



Dr. M. Naresh Babu, Associate Professor, SVEC, delivering lecture on "Artificial Neural Networks and Convolution Neural Networks using Tensor Flow"

Dr. A. Srinivasulu, Professor, SVEC handled the hands-on sessions on 'Big Data Analytics using Spark' in the post-lunch sessions.



Dr. A. Srinivasulu, professor, SVEC, delivering Lecture on Big Data Analytics using Spark

On 21st June, 2018, Dr. K. Ramani, Professor & Head, SVEC, presented an expository on 'Pattern Recognition and Machine Learning'. Mrs. P Dhana Lakshmi, Assistant Professor, SVEC provided insights on 'Techniques for Data Analysis'. In the afternoon, Dr. K. Reddy Madhavi, Associate Professor, SVEC, facilitated hands-on session on 'Time-Series Analysis using Prophet'



Dr. K. Ramani, Professor & Head, SVEC, delivering lecture on "Pattern Recognition and Machine Learning"

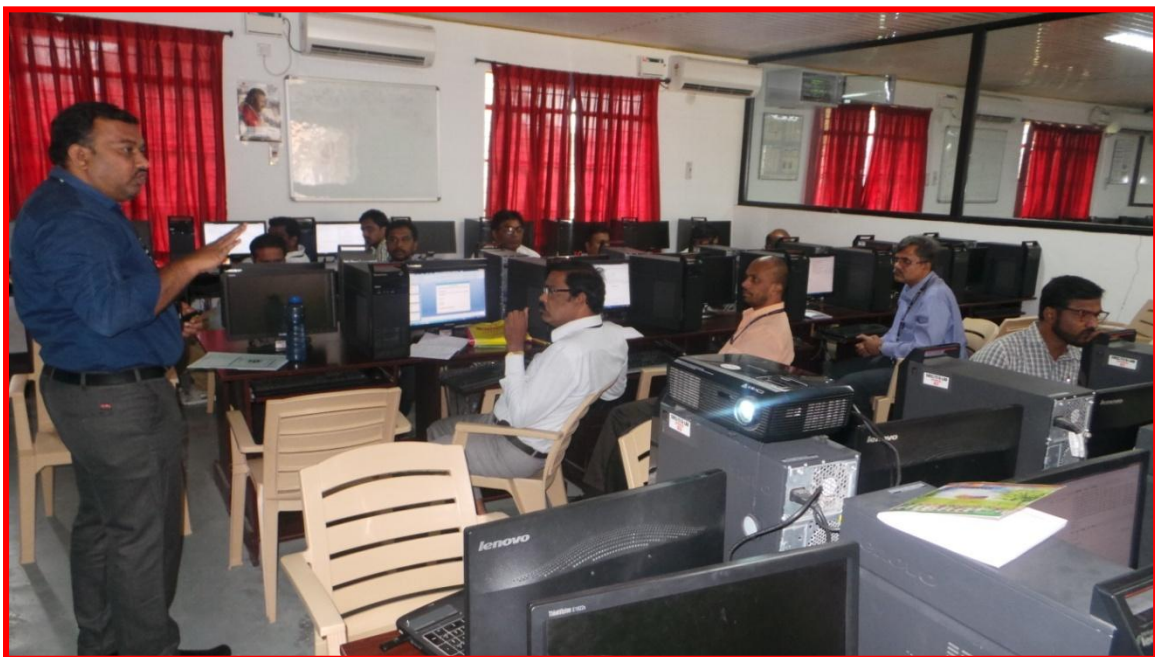


Mrs. P Dhana Lakshmi, Assistant Professor, SVEC providing insights on "Techniques for Data Analysis"

Dr. S. Hemachandra, Professor, SVEC, trained the participants of the workshop on 'Neural Networks' in the forenoon session of the fourth day. It was followed with a session by Ms. Ch. Prathima, Assistant Professor, SVEC, on 'Classification Techniques using R Tool' and a session by Dr. O. Obulesu Associate Professor, SVEC on 'Data Visualization and Statistical Analysis'.

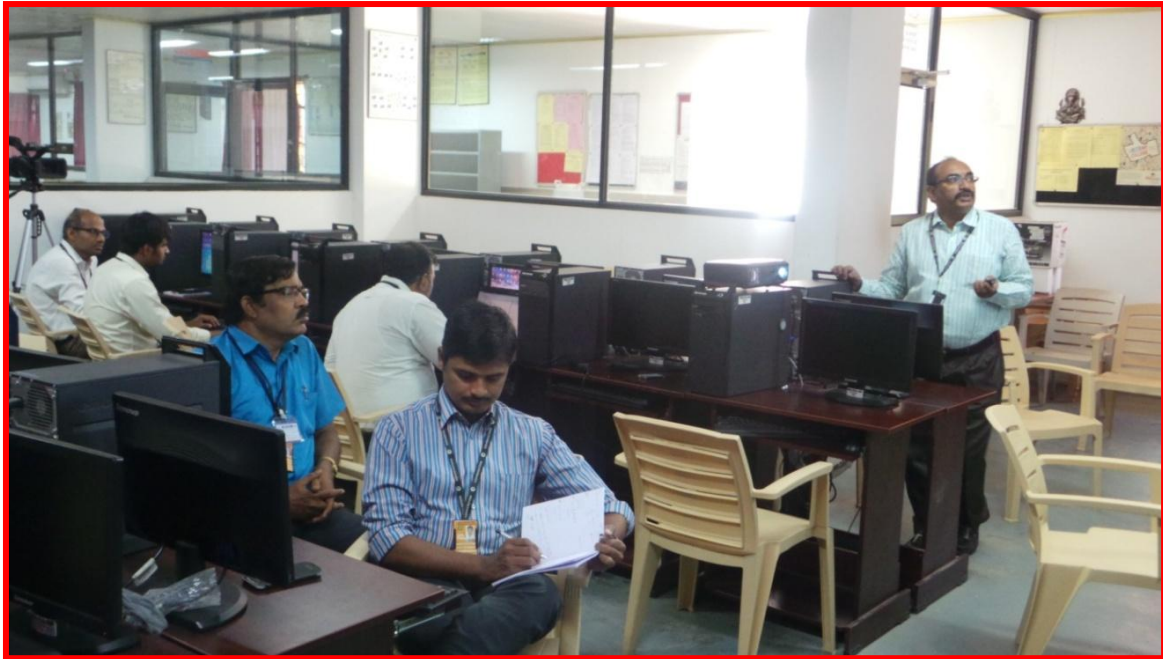


Dr. S. Hemachandra, Professor, SVEC, explaining the "Neural Networks"



Dr. O. Obulesu, Associate Professor, SVEC, delivering a session on "Data Visualization and Statistical Analysis"

The final day of the workshop, started with a session by Dr. L. V. Reddy, Professor, SVEC on 'Classification of Machine Learning Algorithms'. Dr. O. Obulesu took a session on 'Data Visualization and Statistical Analysis' in the forenoon and hands-on training in the afternoon session.



Dr. L. V. Reddy, Professor, SVEC, discussing "Classification of Machine Learning Algorithms"

All the participants expressed that the training in new foundational science, theoretical results, methods, applications and tools of data science was beneficial. The workshop came to a successful end with distribution of certificates, and feedback from participants in the valedictory session.



Dr. K. Delhi Babu, Dean, Placement and Training, distributing the certificate to the participant.



Dr. K. Ramani, HOD, Dept. of Information Technology, distributing the certificate to the participant.

60 faculty members participated and gained knowledge on Data Science and its real time applications.

Outcomes of the one week workshop on "Data Science for Young Scientists" were:

1. Faculty members gained knowledge on important applications of Data Categories and Classification.
2. Faculty members acquired skills to develop applications/projects with hands-on sessions on the latest Data Science Tools.
3. Faculty members gained practical knowledge on how Neural Networks can be applied using Tensor Flow.