

# **DATA ANALYTICS RESEARCH CENTRE**

## **VISION**

To emerge as a nationally recognized research center in cloud Computing and data analytics through research and consultancy.

## **MISSION**

- ❖ Supporting interdisciplinary research using cloud and data analytics tools on real-time problems.
- ❖ Motivating students for innovations in data analytics through training in emerging tools and techniques.
- ❖ Collaborating with premier institutions and research centers to develop novel solutions in cloud & data analytics.

## **OBJECTIVES**

- To predict high risk conditions in chronic diseases such as diabetes, cancer and heart-attacks using data analytics tools.
- To conduct advanced studies in data science and cloud computing to solve the issues of social networks and agriculture.
- To conduct research on multi-criteria based decision making for cloud services.
- To develop software based on big data for societal missions such as orphanages, old-age homes, differently-abled persons and welfare associations.

## **INTRODUCTION**

Data Analytics Research Center, SVEC was started for the benefit of UG, PG students, Research scholars and faculty members. The Centre motivates the research activity in the fields of cloud computing and data science. The data analytics center is all equipped to create innovative solutions that influence the lives of people in positive ways. The center build systems and algorithms to extract knowledge, find patterns, generate insights, predict and visualize diverse data for healthcare and agricultural applications through cloud based services such as Meghdoot cloud by C-DAC, Chennai. The center is equipped with Data Analytics and cloud computing software such as Python, R Studio, Weka, Spark, Hadoop, RapidMiner, MATLAB and Meghdoot cloud.

## THE TEAM

1.	<b>Dr. A. Srinivasulu</b> , Professor, Dept. of IT - Coordinator (Machine and Deep Learning for Healthcare Systems)
2.	<b>Dr. L. V. Reddy</b> , Professor, Dept. of IT (Data Mining & Cloud Security)
3.	<b>Dr. K. K. Baseer</b> , Assoc. Professor, Dept. of IT (Data Science in IoT and Fog Computing)
4.	<b>Dr. S. Bharath Bhushan</b> , Assoc. Professor, Dept. of CSSE (Service Composition in Cloud Computing)
5.	<b>Dr. M. Lavanya</b> , Asst. Professor (SL), Dept. of MCA (Web Mining and Data Analytics)
6.	<b>Mr. M. Thrilok Reddy</b> , Asst. Professor, Dept. of IT (Data Mining in Fraud Detection and Prevention)
7.	<b>Mr. M. Mahendra</b> , Asst. Professor, Dept. of IT (Data Mining in Lung Cancer Prediction)
8.	<b>Ms. Ch. Prathima</b> , Asst. Professor, Dept. of IT (Attribute Deduplication model in Cloud Storage)
9.	<b>Mr. Ch. Sreenu Babu</b> , Asst. Professor, Dept. of IT (Data Mining Techniques for Stock Market Prediction)

10.	<b>Ms. K. Lakshmi Prasanna</b> , Asst. Professor, Dept. of IT (Data Analytics for IoT Applications)
11.	<b>Ms. L. Lavanya</b> , Asst. Professor, Dept. of IT (Speech Recognition)
12.	<b>Ms. M. Sowmya Vani</b> , Asst. Professor, Dept. of MCA (Business Analytics and Decision Support Systems)
13.	<b>Mr. Y. Kiran Kumar</b> , Asst. Professor, Dept. of MCA (Cloud Computing Security)

## Research Facilities

S.No.	Name of the Equipment / Software
1.	<p>Desktop Systems (20 No.s)</p> <p><b>Details of Configuration:</b></p> <ul style="list-style-type: none"> <li>• Lenovo Desktop V520, 1S10NLA011IHPG00XR</li> <li>• Intel ® Core ™ i5-7400 CPU@3.00 GHZ</li> <li>• DDR4 12 GB RAM</li> <li>• 1 TB Hard disk</li> <li>• 64-bit OS with Windows 10 Pro</li> <li>• Intel i5 – 7<sup>th</sup> Generation 3 GHZ Processor</li> <li>• Lenovo 3102 Model Motherboard</li> <li>• DDR4 12 GB RAM</li> <li>• 1 TB Seagate-Blue hard disk</li> <li>• 19.5 inch TFT LCD Monitor</li> </ul>
2.	<ul style="list-style-type: none"> <li>• Python 3.5.1</li> <li>• R-Studio 1.1.423</li> <li>• XAMPP 5.6</li> <li>• Weka 3.8.1</li> <li>• Oracle 10.2.1015</li> <li>• Android Studio 1.0</li> <li>• Mongo Database 3.2</li> <li>• Argo UML 0.34</li> <li>• R 3.5.0</li> <li>• Apache Tomcat 7.0</li> <li>• Java 8.0</li> <li>• Eclipse Java IDE 4.7.3a</li> </ul> <ul style="list-style-type: none"> <li>• BOSS Linux 3.14</li> <li>• Anaconda 5.2</li> <li>• TensorFlow 1.9</li> <li>• Keras 2.2.0</li> <li>• DeePy 0.2.1</li> <li>• Gensim 0.13.4</li> <li>• PyML 7.3</li> <li>• Pandas 0.22.0</li> <li>• Matplotlib 2.2.2</li> <li>• NumPy 1.11.3</li> <li>• RapidMiner 8.1.3</li> <li>• Matlab 2017a</li> </ul>



Health Data Analytics



Intelligent IoT