SRINIVAS UNIVERSITY

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Srinivas Research Centre for Big Data and Machine Learning

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About the Research Centre

Big data is data sets that are so big and complex that traditional data-processing softwares are inadequate to deal with them. Big data challenges include capturing data, data storage, data analysis, search, sharing, transfer, visualization, querying, updating, information privacy and data source. There are a number of concepts associated with big data: the 5 concepts currently associated with big data are volume, variety, velocity, veracity and value.

Machine learning is a method of data analysis that automates analytical model building. It is a branch of artificial intelligence based on the idea that systems can learn from data, identify patterns and make decisions with minimal human intervention.

Big Data and Machine Learning have been widely used in industry, academia and government. Continuous advance in this area is critical to business success, scientific discovery, as well as cyber security. The Big Data revolution promises to transform how we live, work, and think by enabling process optimization, empowering insight discovery and improving decision making. The realization of this grand potential relies on the ability to extract value from such massive data through data analytics. Machine Learning is at its core because of its ability to learn from data and provide data driven insights, decisions, and predictions.

This research centre is an initiative in the field of computer science and engineering at Srinivas University College of Engineering and Technology (S.U.C.E.T), focusing various activities in the area of Big Data and Machine Learning. With the active participations from faculties and students of SUCET, this centre wish to contribute by means of research and teaching activities in this sphere and also intending to present papers in the field of Big Data and Machine Learning at national and international seminars and conferences apart from conducting a large number of training programs in this domain. This also proposes an industry-academic partnership to form many of its activities.

Objectives of Srinivas research centre for Big Data and Machine Learning

• Developing teaching materials and preparing working papers.
• Organize workshops / seminars / conferences
• Conducting certificate programmes for aspirants
• Undertaking research and consultancy studies.
• Preparing engineering graduates for the Big Data and Machine Learning domain.

List of Publications and Achievements:

- Published paper on - "Big Data- A driving Force For Innovation And Value Recreation ", International Journal of Advanced Research in Computer Science and Software Engineering, Volume 4, Issue 3, March 2014
- Published paper on- " DF-ICF algorithm- The modified TF-IDF" , International Journal for Computer Applications, Volume 93, No 13, May 2014
- Published paper on - "Results and Inference from an small experiment of DF-ICF algorithm", International Journal for Computer Applications, Volume 163, No 1, March 2017
- Published paper on - "IOT based smart health monitoring for age old patients" –, International Journal for Recent Trends in Engineering Research, pp(431-437) , Volume 3, Issue 5, May 2017
- Published paper on -"Smart Parking Using Arduino Programming"- International Journal for Recent Trends in Engineering Research , pp(675-680) Volume 4, Issue 3, April 2018
- Published paper on- " Partial Face Reognition using PSO algorithm"- International Journal for Recent Trends in Engineering Research, pp(697-700), Volume 4, Issue 3, Apr 2018
- Project titled –-"Smart Parking Using Arduino Programming"- won Third price in State level Project Exhibition SRISHTI 2018', conducted by ABVP.