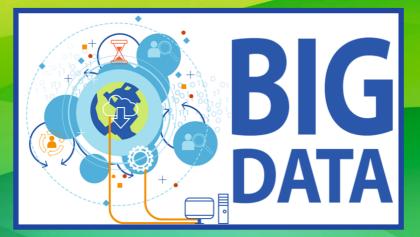# SRM INSTITUTE OF SCIENCE AND TECHNOLOGY KATTANKULATHUR

**Department of Computer Science and Enginnering
SIG(Small Interest Group)**

Data Mining and Big Data Analytics

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Transformation is definite.Implementation of an effective data mining work / interest group across the department enables the interested people tolearn,utilize the resources and share the knowledge quickly in the dynamic domain of data mining.This group aids everyone to make strategic decision on research and to receive fund accordingly.

1.To develop a platform for exploring and exploiting.

2.To provide a 360 degree view about Data mining.

3.To establish a working group,to identify challenges and to provide cost effective solutions.

4.To stretch opportunities and to encourage researchers in the domain of data mining.

Text Mining
http://www.cs.umb.edu/~smimarog/textmining/datasets/

UCI Repository
https://archive.ics.uci.edu/ml/datasets.html

Data Set based on Cars
http://www.biolab.si/app/hint/car_dataset.html

Geographical
http://catalog.data.gov/dataset/
http://catalog.data.gov/dataset/

Indian Government Data sets
http://www.data.gov.in/

Tools Used

National Workshop on Big Data Analytics Tools

NWBAT-2017

23rd February - 27th February 2017

The Special Interest Group (SIG)-Data mining / Big data of Department of Computer Science and Engineering of SRM University, Kattankulathur in association with IET(The Institution of Engineering and Technology) has organized a five days National Workshop on Big Data Analytics Tools - NWBAT-2017 from 23rd February - 27th February 2017. The IET professional members are sponsored to attend the workshop by IET Chennai Network. More than 60 IET professional members and 9 Non-IET members registered for the course. The budget for the workshop is 2.16 lakhs for the five days. Rs. 96000 was sponsored by SRM and remaining money of 1.2 lakh was sponsored by IET-CLN. Exposure to advanced technologies and hands-on training on open source tools such as Hadoop, R and E-views help the teaching community to guide the students on cutting edge tools. Hence, this kind of workshops are organized with the support of SRM University.

National Workshop on Big Data Analytics Tools NWBAT-2018 06th-10th February 2018

The Special Interest Group (SIG)-Data mining / Big data of Department of Computer Science and Engineering of SRM IST, Kattankulathur in association with IET (The Institution of Engineering and Technology) has organized a five days National Workshop on Big Data Analytics Tools - NWBAT-2018 from 06th February - 10th February 2018.

Dr.E.Poovammal, Professor, Department of CSE is the convener of the workshop. Mrs.P.Akilandeswari and Mr.Eliazer are the co-conveners of the workshop. The details of the workshop is available at the link: https://nwbat.github.io/
More than 40 IET professional members and 20 Non_IET have attended the workshop, sponsored by IET Chennai Network.

Exposure to advanced technologies and hands-on training on open source tools such as R, MATLAB, PYTHON, MOA, and E-views help the teaching community to guide the students on cutting-edge tools. Hence, this kind of workshops are organized with the support of SRM Institute of Science & Technology.

Guest Speakers Invited

1. Mr. Joy Mustafi.
Principal Applied
Scientist,Microsoft, Hyderabad,India

2. Dr. Rudra Prakash Pradhan.
Associate Professor,
IIT Kharagpur,India

3. Dr. Padi Tirupathi Rao.
Professor
Pondicherry University

4. Dr. Rituparna Sen.
Assistant Professor,
Indian Statistical, Institute, Chennai

5. Mr. Rajkumar Subramnian
Senior Manager,
Business Technology Solutions,
Scope Eknowledge Pvt Ltd.

6. Mr. Ashish Kumar Roy.
Solution Architect in Ericsson

7. Dr. S.Geetha.
Professor
Department of CSE, VIT University

8. Dr. V.Pattabiraman
Associate Professor,
Department of CSE, VIT University

Ongoing Researches

- Privacy preserving data mining
- Prediction in agricultural domain
- Intruction detection in streaming data
- Computing IOT data
- Analysis of streaming image data
- Feature extraction in mamographic images
- enhanced sentimental analysis for recommendation system
- Detection of deduplication in cloud
- Sentimental analysis in spam detection
- Aspect level polarity identification and summarization of subjective feedback of product reviews
- Information retrieval on semantic web

Statistics

Number of Members in SIG:19

	2017	2018
• Papers published in Journals	49	58
• Papers presented in Conferences	40	58
• Endowment Lectures Delivered	05	03
• Workshops Attended	69	76

Number of Patents Filed: 3

Number of UG Projects guided in the last 2 years: 120

Number of PG Projects guided in last 2 years: 6