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Universal College of Engineering

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Gujarati Linguistic Minority Institution

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Coffee & Code ;

An Initiative by the Department of Computer Engineering

VISION

To be recognized as a department that provides quality technical education and research opportunities that eventually caters to helping and serving the community.

MISSION

- To groom the students to participate in curricular and co-curricular activities by providing efficient resources.
- To motivate the students to solve real world problems to help the society grow.
- To provide a learning ambience to enhance innovations, team spirit and leadership qualities for students.

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In Association with



(Computer Engineering Student Association)



Our Previous Articles

Introduction to Stream Mining

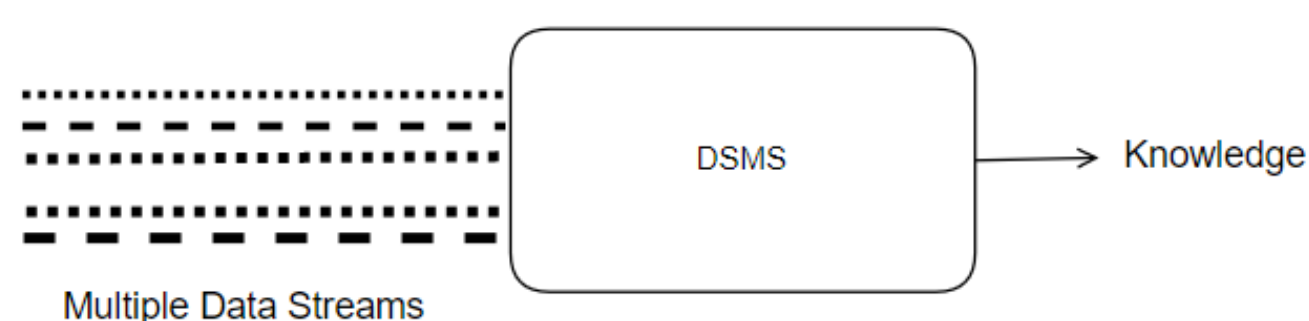


Imagine a factory with 500 sensors capturing 10 KB of information every second, in one hour is captured nearly 36 GB of information and 432 GB daily. This massive information needs to be analyzed in real-time (or in the shortest time possible) to detect irregularities or deviations in the system and quickly react. Stream Mining enables to the analysis of large amounts of data in real-time. This article, it's introduced Stream mining explaining several techniques and useful resources.

Stream Mining enables the analysis of massive quantities of data in real-time using bounded resources.

Data Stream Mining is the process of extracting knowledge from continuous rapid data records which come to the system in a stream. A Data Stream is an ordered sequence of instances in time. Data Stream Mining fulfill the following characteristics:

- Continuous Stream of Data. The high amount of data in an infinite stream. we do not know the entire dataset
- Concept Drifting. The data change or evolves over time
- The volatility of data. The system does not store the data received (Limited resources). When data is analyzed it's discarded or summarised.



- Mining Techniques

Exist a huge range of algorithms (classification, regression, outlier detection, recommender systems...) for work with Stream Mining. These algorithms need to deal with concept drift, huge quantities of data, and limited resources. Some algorithms need preprocessing using the previous Data-Based Techniques. For instance, examples of Classification algorithms are Naive Bayes, Decision Stump, Hoeffding Tree or ADWIN.

- Tools

MOA is a popular open-source framework that allows working with streams of data. MOA develops several of the techniques and algorithms previously mentioned. Last year appear distributed solutions capable to analyse more data: Spark Streaming or Apache Storm & Apache Samoa.


Source: <https://towardsdatascience.com/introduction-to-stream-mining-8b79dd64e460>




Faculty Achievement



Faculty Achievement



Elite
NPTEL Online Certification
(Funded by the MoE, Govt. of India)




This certificate is awarded to
HEZAL RAHUL LOPES
for successfully completing the course

Data Mining


with a consolidated score of **60** %


Online Assignments	24.58/25	Proctored Exam	35.57/75
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Total number of candidates certified in this course: **709**

**Prof. Jayanta Mukhopadhyay**
Dean Outreach
IIT Kharagpur

Feb-Apr 2022
(8 week course)

**Prof. Debjani Chakraborty**
Coordinator, NPTEL
IIT Kharagpur

 Indian Institute of Technology Kharagpur



Roll No: NPTEL22CS11S13890723

To validate and check scores: <https://nptel.ac.in/noc>

Mrs. Hezal Lopes has successfully completed a course on Data Mining and received Elite certificate from NPTEL

**7th International Conference for
Convergence in Technology
(I2CT)**
7th – 9th April 2022




This is to certify
Dr./Prof./Mr./Ms. Prof. Poonam Thakre
has presented paper entitled **Healthy Harvest: Crop Prediction
And Disease Detection System** in 7th International Conference for
Convergence in Technology (I2CT) during 7th to 9th April 2022.

General Chair -I2CT

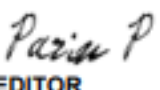



Dr. Chanakya Kumar Jha


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- (i). There is no perfect family.
We do not have perfect parents,
– you are not perfect yourself.
We do not marry a perfect person or we
do not have perfect children.
- (ii). We have complaints from each other.
We cannot live together without
offending one another.
- (iii). We are constantly disappointed. Yes
for so many reasons at different time we
are disappointed by one another.
- (iv). There is no healthy marriage or
healthy family without the exercise of
forgiveness. Forgiveness is the medicine
of family joy and happiness
- (v). Forgiveness is vital to our emotional
health and spiritual survival. No matter
the offense or who is the offender.
Without forgiveness, the family becomes
an arena of conflict and a fortress of evil.
- (vi). Without forgiveness, the family
becomes sick and unhealthy.

- (vii). Forgiveness is the asepsis of
the soul, the purification of the
spirit and the liberation of the
heart. No sin is too big to be
forgiven.
He who does not forgive does not
have peace in his soul or and cannot
have communion with God.
- (viii). Unforgiving is Evil and a poison
that intoxicates and kills the one
who refuses to forgive
- (ix). Keeping heartache of
unforgiving in your heart is a self-
destructive gesture. It's autophagy.
- (x). Those who do not forgive are
physically, emotionally and
spiritually ill. And they will suffer in
two ways
- (xi). For this reason, the family must
be a place of life and not a place of
death; a place of forgiveness,
a place of paradise and not a place
of hell; A healing territory and not a
disease; an internship of forgiveness
and not guilt.
- (xii). Forgiveness brings joy where
sorrow has brought sadness; of the
healing where sorrow has caused
the disease.



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<https://theparadise.ng/pope-francis-retirement-speech-that-shocks-the-world/>

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