

Near Bhajansons & Punyadham, Kaman Bhiwandi Road, Vasai, Palghar-401208

Linguistic (Gujarati) Minority Institution

Approved by AICTE, DTE, University of Mumbai, Maharashtra, State



The Department of Applied Science and Humanities is committed to dynamically integrate the components of Science, Humanities and Engineering to groom students to transform them as globally

Vidya Vikas Education Trust's
UNIVERSAL COLLEGE OF ENGINEERING
Near Bhajansons & Punyadham, Kanan Bhtwandi Road Vasat, Palchar-401208

DTE code:3460

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Government

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#ASHTAG

Strength does not come
from physical capacity.
It comes from
indominatable
Will.

Vision

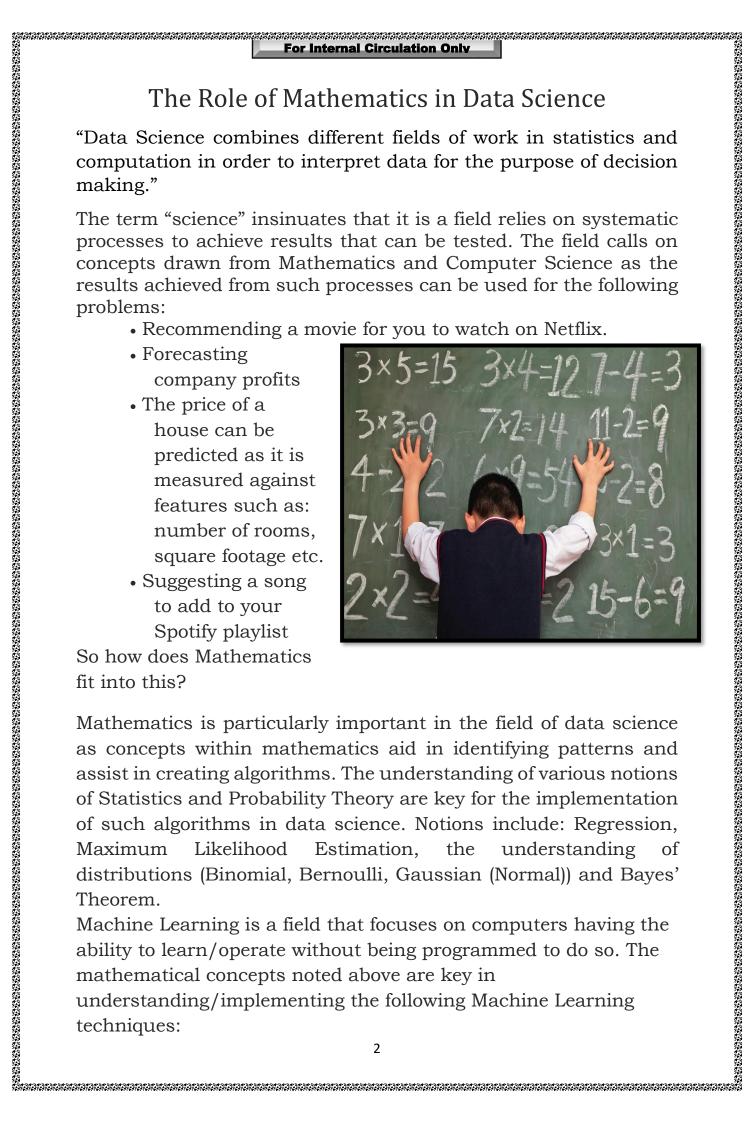
The Department of Applied Science and Humanities is committed to
dynamically integrate the components of Science, Humanities and
Engineering to groom students to transform them as globally
acknowledged professionals.

MISSION

The department is carrying a mission to create and disseminate the knowledge and techniques in
intellectual areas of Engineering and other core areas of Applied Science and Humanities for betterment
of Eco system.

To incudeate the importance of Applied Science and develop a natural flair for Engineering and
Technology which in turn shall mold students into a competent professional.

To be recognized for practicing the best teaching-tearning processes to create highly competent,
resourceful, and self-motivated young Engineers for the benefit of the society. intellectual areas of Engineering and other core areas of Applied Science and Humanities for betterment



1. Regression:
Regression is a branch of Statistics that can be used to perform predictions for a given dataset. The types of regression include: Simple Linear, Multiple Linear, Polynomial and Logistic.
I may want to find out the relationship between how long I teach a student in a day and their test scores. I also may want to find out how much my expenditure is affected by my income. We can answer these with regression.

2. Classification:
Classification is a technique employed to assign categories to a collection of data in order to aid in accurate predictions and analysis. With classification algorithms, you are exposed to an existing dataset and are aware of the classes of particular instances; with this knowledge, a predictive model can then be generated to solve the following problem: For each future instance in the dataset, which class does a particular instance belong to. Types of classification algorithms include Max Entropy, K-Nearest Neighbour and Naïve Bayes.

Applications of classification include:

Determining whether an email is spam or not.

Determining whether a given image portrays a cat or a dog

Categorizing videos on YouTube.

In a nutshell, Data Science is used to find/identify patterns, and by having an understanding of various Mathematical notions (some of which are mentioned in this post), patterns can be portrayed in such a way that can be analyzed which is paramount for creating statistical models, algorithms and processes to accurately make decisions.

Contributed by Dr. Teena Trivedi



Creative Thinking

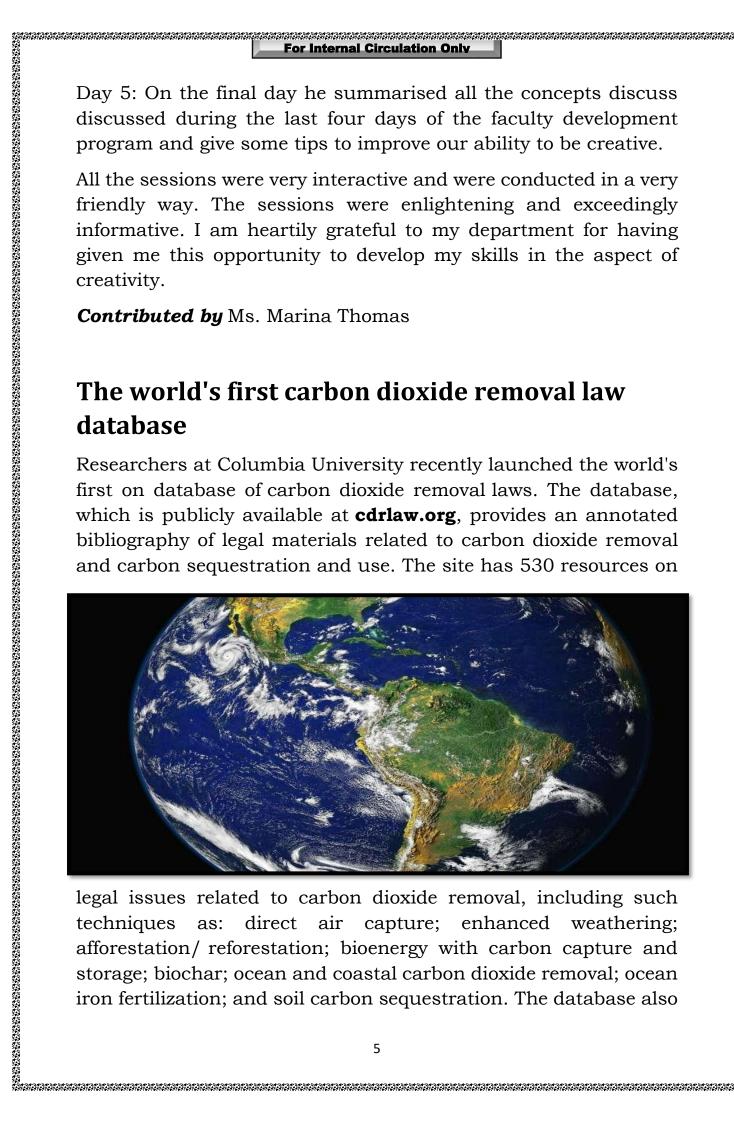
The ICT Academy conducted a 5-day online Fdp on "Creative thinking". I was nominated from the departments to attend this workshop on creative writing. I would like to share a day-wise snapshot of what I learned during these fdp sessions.

Day 1: The facilitator introduced himself and listed the guidelines to be followed for completing the course and receiving the certificate for the same. He began by defining Creativity and how it is different from a seemingly similar concept of Critical thinking.

Day 2: On this day we, the participants were introduced to the term "Chindogu" a Japanese term which refers to invention or discovery that has no practical or productive value to society. Furthermore, we were also acquainted with the tools and factors that help us to be creativity which involved Imagination, Attitude and Knowledge.

Date 3: The chief focus of the day was on problem-solving techniques as most of the creativity begins with an endeavour to find a solution to a problem. He moved on to explain how to analyse a problem using techniques such as mind mapping and SWOT analysis which would help in understanding the problem more deeply. He spoke about using the Cynefin framework that is used to analyse the intensity of the problem.

Day 4: He continued on the need to break down problems and focused on aspects of decision making and again emphasize the importance of using Mind Map and SWOT analysis. He then explained the techniques of using the Six Thinking Hats, a concept given by the psychologist Edward Bono, which are six perspectives of looking at the problem before taking the final decision.



includes 239 legal resources on carbon capture and storage, utilization, and transportation.

This site was created by the Sabin Center for Climate Change Law at Columbia Law School, in cooperation with the Carbon Management Research Initiative at the Center on Global Energy Policy at Columbia's School of International and Public Affairs. Generous financial support was provided by the ClimateWorks Foundation and the Earth Institute at Columbia University.

"All scenarios for achieving the Paris temperature targets include not only a rapid transition away from the use of fossil fuels, but also the removal of large quantities of carbon dioxide from the atmosphere, and the capture and sequestration or use of carbon dioxide from those industrial sources whose emissions cannot otherwise be prevented. This resource assembles in one place the legal analyses of the relevant technologies, and will aid in the development of the needed laws and regulations," said Michael Gerrard, a professor at Columbia Law School and faculty director of the Sabin Center for Climate Change Law.

"This new and vital web resource on CO2 removal and carbon management augments the extraordinary legal work of the Sabin Center on Climate Law. The new portal serves scholars, advocates, governments, and companies large and small by providing clear and straightforward access to best-in-class scholarship on how the abundant natural resources of the world can reduce and repair the harm of human-caused climate change in a just and equitable way. This effort provides legal insight to the climate counterstrike," said Julio Friedmann, a senior research scholar at the Center on Global Energy Policy who leads the Carbon Management Research Initiative.

The Sabin Center is also undertaking a series of white papers with in-depth examinations of the legal issues in particular carbon dioxide removal technologies.

By Earth Institute at Columbia University
Source: https://phys.org/news/2020-10-world-carbon-dioxide-law-database.html

Compiled by Marina Thomas

Technical Housie -Engineer's Day Celebration.

The Department of applied Science and Humanities contributed to the Engineering Day on 15 September 2020 by conducting a fun activity, the Technical Housie. Mrs. Neha Shah, Dr. Teena Trivedi, Mr. Masiyuddin Khan, Mr. Kamlesh Tiwari and Mr. Aniket Patil convened the event.

The competition was similar to Housie but with a technical flavour. Participants were asked to prepare their own ticket as per description given to them. Breaking from the conventional way of calling out numbers, clues were provided instead, and participants were required to guess the numbers based on the clue and strike out the numbers from their personalized

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Lam greater than 20 but less than 130. If I add crayself leet 5 and if I may be a subject to the participant of the provided in the event. There were 179 as audiences and cheered the participants. The event was thoroughly enjoyed by Faculty members and students a like

Contributed by Mrs. Neha Shah



