Report on a Two Day Seminar on research and Application of Linear Algebra and Statistics in Data Science..

Title	Two Day Seminar on Research and Application of Linear algebra and Statistics in data sciences
Date of Event(s)	08/10/2019 to 09/10/2019
Department / Association	MATHEMATICS
Venue	SEMINAR HALL
Number of Participants	28

Resource Person(s) with qualification	Padmavathi V
Books (if published)	NA

Place of visit/ details of Industrial visit place (if applicable):	NA

Report:

The Department of Mathematics, SFS COLLEGE Bengaluru Organized a Two Seminar on Research and Application of Linear algebra and Statistics in Data sciences On 08/10/2019 to 09/10/2019 The participants are Students including faculty members, research scholars. . The seminar began with an inaugural function on 08/10/2019. The function was graced by Principal SFS College Bengaluru, who wished the Seminar a grand success. The inaugural session was followed by invited lectures. Talks on current research topics in Linear Algebra Application in data science and importance of statistics spread over several sessions of the Seminar on both days. The participants of the Seminar were immensely benefited by the invited talks arranged. It gave them new directions for research well as exposure to use Applications

The Seminar focuses on the fundamentals of Linear algebra and statistics relevant to learning, with the research topics on the applications of linear algebra in data science with some Examples and transductive learning.

Electronics City P.O., Bengaluru - 560 100
Tel: 080-27836065 / 27834611, Fax: 080-27832299, Email: sfscollege.ecity@gmail.com, sfscollege@rediffmail.com
www.sfscollege.in

Methods from Linear algebra have made an impact in Machine Learning recently through two avenues. The first arises when we view the data samples how we can analyses the data and by applying linear algebra concepts to give simple representation to study the data .

This view of the data can be used to motivate a number of techniques, including developing a better intuition for machine learning and deep learning algorithms and not treating them as black boxes. This would allow you to choose proper hyper parameters and develop a better model.

You would also be able to code algorithms from scratch and make your own variations to them as well. Isn't this why we love data science in the first place? The ability to experiment and play around with our models? linear algebra is the key to unlock a whole new world.

The reason for involving Statistics is through the representation of complex objects in simple way.. t is usually helpful to visualize data problems. Linear equations represent flat objects

The two day Seminar concluded with a valedictory function on 09/10/2019 which was presided by Principal and Vice Principal. SFS College Bengaluru The function ended with distribution of certificates to the participants.

Name of the Reporter: Shilpa.B

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ATTENDENCE SHEET

DATE : 08/10/2019 TO 09/10/2019

EVENT : SEMINAR ON RESEARCH AND APPLICATION OF LINEAR ALGEBRA AND STATISTICS IN DATA SCIENCES

SL NO	NAME	ROLL NO	SIGNATURE
1	SOHANI SHANKAR	18NCSM8013	Shankar
2	SUAIB IBRAHIM	18NCSM8014	Suaib
3	TABASSUM BANU	18NCSM8015	Banu
4	AROCKIA KULANDAI J	18NCAEL001	Kulandaj
5	SHASHIKALA	18NCAEL002	Shashikala
6	SUPRIYA SKYLIGHT V	18NCAEL003	Jyothi A
7	VELANGANI JYOTHI A	18NCAEL004	ABHISHEK
8	ABHISHEK. KP	19NCC26001	Abi
9	AKSHAY R	19NCC26002	Akshyah
10	ALLEN O JOLLY	19NCC26003	Allen o jolly
11	AMJO JOSHY	19NCC26004	Joshy
12	ANUSHA. D	19NCC26005	Anusha.D
13	ANUSHKA PATHAK	19NCC26006	Anushka
14	ARCHANA R	19NCC26007	A
15	ASHOK KUMAR	19NCC26008	Ashok
16	BHUVANA R	19NCC26009	Bhuvana
17	CHANDANA G	19NCC26010	Chandana.G
18	CHANDINI THOMAS	19NCC26011	Chandini
19	DEEPA G	19NCC26012	D G
20	DEEPA R	19NCC26013	Deepa R
21	DEEPA. S	19NCC26014	Deepa
22	DEEPAK M	19NCC26015	deepak.M.
23	DHANUSH. S	19NCC26016	Dhanush.S
24	HARSHITH. C.P	19NCC26017	horshitha.
25	HARSHITHA. N	19NCC26018	Harshitha. N
26	KARTHIK. V	19NCC26019	Karthik.
27	KAVITHA. R	19NCC26020	Kavitha
28	KAVYA. D	19NCC26021	kavya. D