

DATE: 15/05/2021

Event

Coordinator(s)

**Ms. Shilpa
Dingankar**

**MsYashonanda
Maurya**

MsZeba Ansari

Time& Place:

**15 May 2021,
Saturday,
10 am-11:15am.**

Zoom

Department:

**Applied Sciences
and Humanities**

**No of
participants:100**

The Department of Applied Sciences and Humanities had arranged a Guest lecture for students of FE (All branches) on “Application of Mathematics in Finance” on 15^hMay 2021. Guest speaker was Mr. Prasad Lalit, Dept of Mathematics, Fr. Conceicao Rodrigues College of Engg, Bandra, Mumbai.

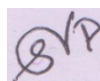
Prof. Shilpa Dingankar, Asst. Prof, Applied Sciences and Humanities, commenced the event and our Director, Fr Dr John Rose urged students to appreciate the importance of Finance in our day-to-day lives.

The speaker, Mr Prasad, elaborated on Application of Mathematics in Finance with topics including stock, derivatives in finance, probability and uncertainty, Riemann integral and Ito integral, stock price in model.

A revision of basic Math and relevant problems was discussed. The students were very keen on learning about stocks and financial markets and the speaker answered their questionseagerly.It was a good session.

The webinar was concluded by a vote of thanks from Prof. Shilpa Dingankar.

The talk was aimed at bridging the gap between Mathematics and Applications and the feedback from students was very encouraging.



Ms. Shilpa Dingankar,Asst Prof, XIE

Ms.Yashonanda Maurya, Asst Prof, XIE
Ms.Zeba Ansari, Asst Prof, XIE



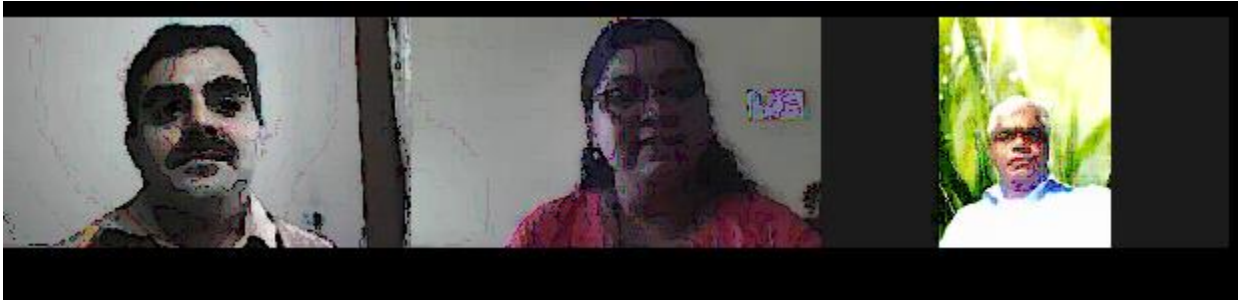
Dr Madhavi Parimi
(HoD-AS&H, XIE)

Applications of Mathematics in Finance

By

Prasad Narahar Lalit

Fr. Conceicao Rodrigues College of Engineering, Bandra



Derivatives

Mathematical

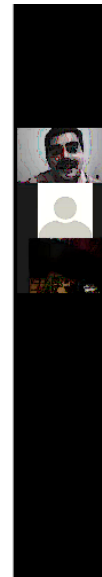
• $y = y(x)$ is differential function

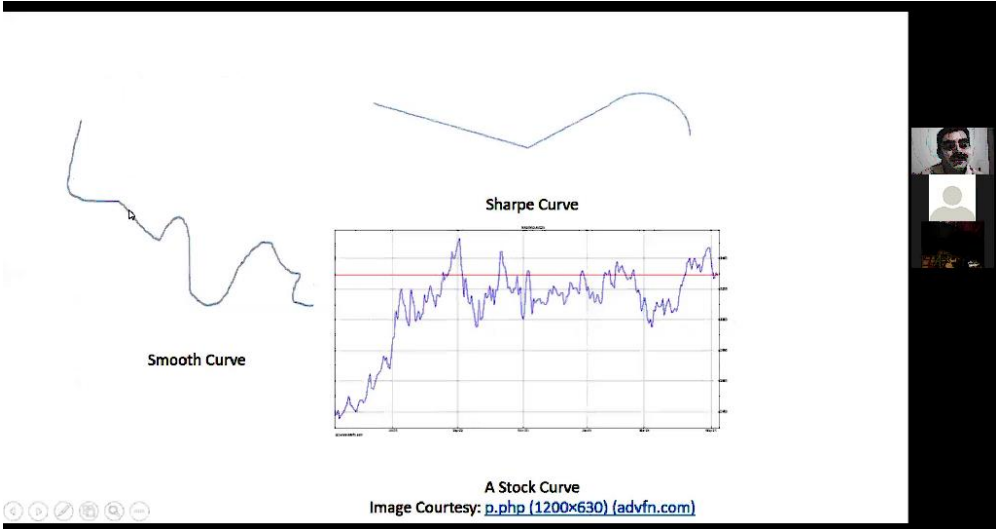
• $\frac{dy}{dx}$

Financial

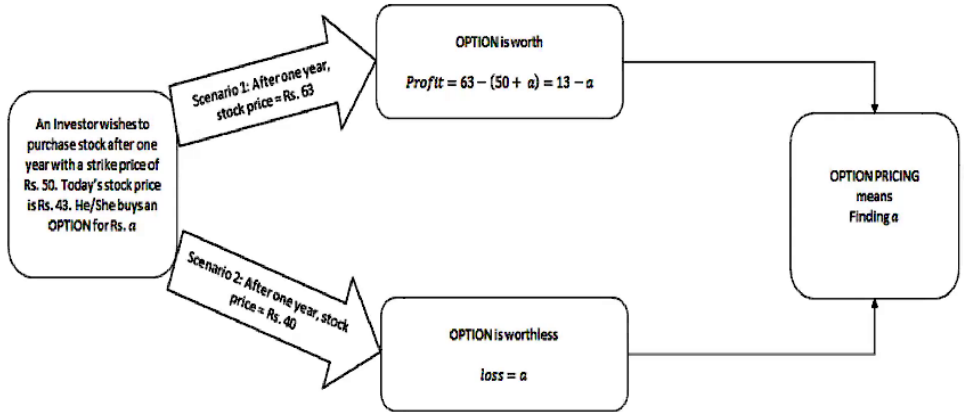
• $S = S(t)$ is nowhere differentiable function of t

• $\frac{dS}{dt} = ?$

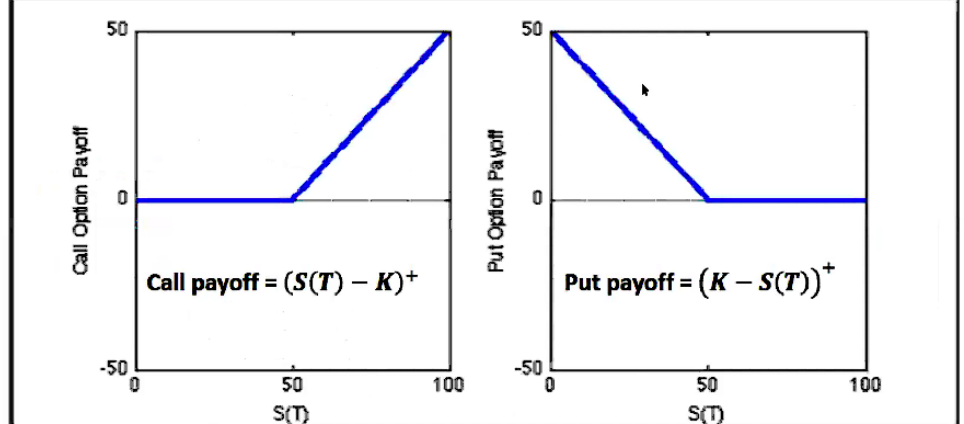




Options – A Derivative



Option with strike price = 50



[1] (PDF) A Prospect Theory-Based Real Option Analogy for Evaluating Flexible Systems and Architectures in Naval Ship Design (researchgate.net)

