

COMMODITY DERIVATIVES & RISK MANAGEMENT

ABOUT THE COURSE:

Commodity derivatives market has witnessed tremendous growth in India. Since the setting up of different national level demutualized commodity exchanges such as NCDEX, MCX and NMCE about a decade back, the Indian commodity derivative market has achieved considerable growth in trading volume, types of commodities contracts traded, warehouse development and also has brought in significant changes to spot trading of commodities. The course covers almost the entire spectrum of commodities traded in the Indian commodity market, including agricultural commodities, crude oil, base metal, precious metal, and electricity. This course will also cover derivative contracts on weather, carbon, freight and real estate traded in international exchanges such as CME, LME, LBMA, DGCX and The Baltic Exchange etc. Fundamental concepts such as value-at-risk based margin calculation, seasonality, minimum variance hedge ratio, basis risk, commodity index creation, pricing and valuation of derivatives contracts will be discussed in earlier part of the course. Subsequently futures, options, swaps, tapos, spread contracts like crack/crush/spark on commodities mentioned earlier can be used by companies to mitigate price risk will also be discussed in detail.

Course layout

Week 1: Commodity Derivatives Trading & Commodity Exchanges, Commodity Contracts, Trading platform for Major Commodity Exchanges: Open Outcry vs. Electronics. Kerb Trading

Week 2: Commodity Indices creation, Collateralized vs. uncollateralized index, commodity index based on contract side.

Week 3: Introduction to Futures & Forwards, Pricing & valuation, Futures Pricing Valuation for Storable/non Storable Commodity

Week 4: Contango/Backwardation, Hedge Ratio, Pricing & Valuation of Commodity Options

Week 5: Introduction to Options, Swaps, Exchange of Futures for Physicals, Pricing & Valuation.

Week 6: Commodity Price risk for Agricultural committee, Seasonality in prices, Contango, backwardation

Week 7: Commodity Price risk in Crude Oil & Natural Gas, LOOP Storage contracts

Week 8: Gold & Silver, Base Metal Commodity Derivatives.

Week 9: Electricity Derivatives Pricing and Trading

Week 10: Carbon Credit Derivatives, Pricing & Trading

Week 11: Weather Derivatives ,

Week 12: Miscellaneous Derivatives: Freight, Water, Property and Non-Farm Payroll Index, Salmon, Bitcoin Derivatives.

Books and references

- 1: Commodity Derivatives & Risk Management, Prabina Rajib, PHI Publication.
2. Risk Management in Commodity Markets: From Shipping to Agriculturals and Energy (The Wiley Finance Series) Hardcover, by Helyette Geman, Wiley Publication
3. Indian Commodity Market: Derivatives and Risk Management by P. S. Velmurugan, Serial Publication



HOD



Principal

Dayananda Sagar College of Arts, Science and Commerce
Department of Commerce and Management (UG)-BBA/B.Com

Date: 28/07/2022

Student Circular

Dear students,

All the students of IV SEM BBA and B.Com are hereby informed to attend the Add on Programs scheduled from 3rd August 2022 onwards for the topic Mentioned Below :

1. Cost Accounting
2. Management Accounting
3. Introduction to GST
4. Commodity and Derivatives Risk
5. Principles of Marketing

Students must attend the program and gain the knowledge.



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**DAYANANDA SAGAR COLLEGE OF ARTS
SCIENCE & COMMERCE**
Affiliated to Bangalore University



Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore, Karnataka, India, Pin Code : 560111
Phone : +91 8042161762 / 26661104 Fax: 26660789,
Website : <https://dscasc.edu.in/>

Course: COMMODITY AND DERIVATIVE & RISK MANAGEMENT Duration: 30 Hrs
BCom/BBA: BCom Course : B.Com Semester: IV

FACULTY NAME: *Pawithra*

Sno	Register No	Students Name	03-Aug	04-Aug	05-Aug	06-Aug	10-Aug	11-Aug	12-Aug	13-Aug	17-Aug	18-Aug	19-Aug	20-Aug	25-Aug	26-Aug	27-Aug	31-Aug
1	U03CJ21C0027	Rahath Fathima	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	U03CJ21C0031	Charan Pg	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P
3	U03CJ21C0038	Hemanth J K	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
4	U03CJ21C0044	Mohit V Trivedi	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P
5	U03CJ21C0048	Makrand Vaman Patil	P	P	A	P	P	P	A	P	A	P	P	P	P	P	P	A
6	U03CJ21C0051	Navneet Nair N	P	P	P	P	P	A	P	A	P	A	P	A	P	A	P	P
7	U03CJ21C0058	Mehek Taj	P	A	P	P	A	P	A	P	P	P	P	P	P	D	D	P
8	U03CJ21C0059	Swaroop Shetty	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P
9	U03CJ21C0062	Syed Mahin	P	P	A	P	P	A	A	P	A	A	A	P	P	A	A	P
10	U03CJ21C0065	Yunus Khan	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
11	U03CJ21C0094	Sampurna Pareek	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
12	U03CJ21C0107	Sonu S P	A	P	A	P	P	P	A	P	P	A	P	A	P	D	D	P
13	U03CJ21C0110	Umme Kulsum	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
14	U03CJ21C0113	Bindu.D	A	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P
15	U03CJ21C0116	Syed Farhan Ahmed	A	P	P	P	P	P	P	P	P	A	A	P	P	P	P	D

16	U03CJ21C0122	Vinod Kumar	P	D	D	A	D	A	P	P	P	P	P	P	P	P	P	P
17	U03CJ21C0124	Mir Masi Ulla	P	D	P	A	D	A	D	P	P	A	P	P	P	A	A	D
18	U03CJ21C0125	Manish Kumar Ray	P	D	P	P	P	P	P	P	P	P	P	P	P	P	P	D
19	U03CJ21C0130	Shahid Khan	P	D	P	A	P	P	A	P	P	P	P	P	A	P	P	P
20	U03CJ21C0137	Syed Hyder Ali	P	D	P	P	D	A	D	A	P	P	P	D	P	P	P	A
21	U03CJ21C0148	Amar Singh	A	P	P	P	P	D	D	A	P	P	A	P	P	P	P	D
22	U03CJ21C0164	Fathima Taj. S	P	P	P	P	P	D	A	A	P	P	A	P	A	A	D	D
23	U03CJ21C0001	D Dhanush Kumar	A	D	P	P	P	P	P	P	P	A	P	P	P	P	P	P
24	U03CJ21C0004	Vaibhav V	P	P	P	P	A	A	P	P	P	P	P	A	P	P	A	D
25	U03CJ21C0006	Meghana.D	P	P	D	P	A	D	A	D	P	P	A	P	A	P	P	D
26	U03CJ21C0011	Vaishnavi Sandur	A	A	P	P	A	P	P		A	P	P	P	P	P	P	P
27	U03CJ21C0013	R.Sanjana	P	P	P	D	P	P	P	P	P	P	P	A	P	D	P	P
28	U03CJ21C0016	Keerthana BR	P	P	A	P	P	D	P	A	P	P	P	P	P	P	P	P
29	U03CJ21C0021	Pavithra.V	P	P	P	P	P	D	P	P	P	P	P	P	A	P	P	P
30	U03CJ21C0023	Shashank Gowda.R	A	P	A	A	A	D	A	A	P	P	P	P	P	D	P	P

3/8/22





Dayananda Sagar College of Arts, Science and Commerce

Shavige Malleshwara Hills, KS layout , Bangalore 111

B.Com/ BBA Department

VALUE ADDED PROGRAMME

This certificate is awarded to

Ms. Rahath Fathima

bearing register no. **U03CJ21C0027** has successfully completed the
**Value Added Programme on Commodity and Derivative & Risk
Management** conducted for 30 hours from **03.08.2022 - 31.08.2022.**

Trainer

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VALUE ADDED PROGRAMME

This certificate is awarded to

Mr. Charan PG

bearing register no. **U03CJ21C0031** has successfully completed the
**Value Added Programme on Commodity and Derivative & Risk
Management** conducted for **30 hours** from **03.08.2022 - 31.08.2022.**

Trainer

HoD

Principal



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Shavige Malleshwara Hills, KS layout , Bangalore 111

B.Com/ BBA Department

VALUE ADDED PROGRAMME

This certificate is awarded to

Mr. Hemanth J K

bearing register no. **U03CJ21C0038** has successfully completed the
**Value Added Programme on Commodity and Derivative & Risk
Management** conducted for **30 hours** from **03.08.2022 - 31.08.2022.**

Trainer

HoD

Principal



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Shavige Malleshwara Hills, KS layout , Bangalore 111

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VALUE ADDED PROGRAMME

This certificate is awarded to

Mr. Mahil V Trivedi

bearing register no. **U03CJ21C0044** has successfully completed the
**Value Added Programme on Commodity and Derivative & Risk
Management** conducted for **30 hours** from **03.08.2022 - 31.08.2022.**

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VALUE ADDED PROGRAMME

This certificate is awarded to

Mr. Makrand Vaman Patil

bearing register no. **U03CJ21C0048** has successfully completed the
**Value Added Programme on Commodity and Derivative & Risk
Management** conducted for **30 hours** from **03.08.2022 - 31.08.2022.**

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B.Com/ BBA Department

VALUE ADDED PROGRAMME

This certificate is awarded to

Mr. Navneet Nair N

bearing register no. **U03CJ21C0051** has successfully completed the
**Value Added Programme on Commodity and Derivative & Risk
Management** conducted for **30 hours** from **03.08.2022 - 31.08.2022.**

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VALUE ADDED PROGRAMME

This certificate is awarded to

Ms. Mehek Taj

bearing register no. **U03CJ21C0058** has successfully completed the
**Value Added Programme on Commodity and Derivative & Risk
Management** conducted for **30 hours** from **03.08.2022 - 31.08.2022.**

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VALUE ADDED PROGRAMME

This certificate is awarded to

Mr. Swaroop Shetty

bearing register no. **U03CJ21C0059** has successfully completed the
**Value Added Programme on Commodity and Derivative & Risk
Management** conducted for **30 hours** from **03.08.2022 - 31.08.2022.**

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Shavige Malleshwara Hills, KS layout , Bangalore 111

B.Com/ BBA Department

VALUE ADDED PROGRAMME

This certificate is awarded to

Mr. Syed Mahin

bearing register no. **U03CJ21C0062** has successfully completed the
**Value Added Programme on Commodity and Derivative & Risk
Management** conducted for **30 hours** from **03.08.2022 - 31.08.2022.**

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B.Com/ BBA Department

VALUE ADDED PROGRAMME

This certificate is awarded to

Mr. Yunus Khan

bearing register no. **U03CJ21C0065** has successfully completed the
**Value Added Programme on Commodity and Derivative & Risk
Management** conducted for **30 hours** from **03.08.2022 - 31.08.2022.**

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