ST. FRANCIS DE SALES COLLEGE
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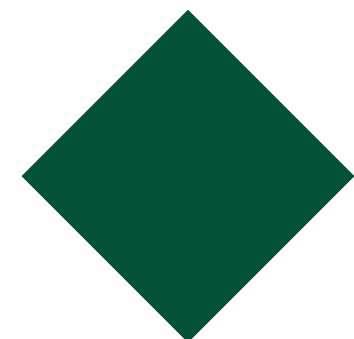
SCHOOL OF SCIENCE

BSc Programme -Add on Course

October-2023

ENVIRONMENT MANAGEMENT AND IMPACT ASSESSMENT

Skilling Towards Sustainability

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Proposal for Add on Course

Title of the Course	**ENVIRONMENT MANAGEMENT AND IMPACT ASSESSMENT**
Date of Registration (From- to)	**12-10-2023 to 18-10-2023**
Date of Commencement	**25-10-2023**
Date of Completion	10-12-2023
Platform (Online/Offline)	**Hybrid mode**
Duration	**30 hours**
Target Audience	**BSc (Physics, Chemistry, Electronics)**
Registration Fee	**NO FEES**
Course Facilitators	**Dr. Nebula Murukesh; Prof. Umamaheswari U.**

Module 1 (Complete syllabus)	**1.1 Principle of Environmental Planning**
	1.2 Concepts of Environmental Planning
	1.2.1 Steps Involved in Environmental Planning
	1.3 Conservation of Energy
	    1.3.1 Primary Energy Sources
	    1.3.2 Secondary Energy Sources
	    1.3.3 Conventional & Non Conventional Energy Sources
	1.4 Renewable and non renewable energy sources
	    1.4.1 Nuclear Energy
	    1.4.2 Solar Energy
	    1.4.3 Hydrogen Energy
	1.5 Environmental Pollution

Module 2 (Complete syllabus)	**2.1 Environment Impact Assessment (EIA)**
	    2.1.1 Aims of EIA
	    2.1.2 Concepts of EIA
	    2.1.3 Limitations of EIA
	2.2 Methods of EIA
	    2.2.1 Desirable properties of EIA methods
	    2.2.2 Methods for the Identification of effects and Impacts
	2.3 Environmental management System (EMS)
	    2.3.1 Major Objectives of EMS
	    2.3.2 Components of EMS
	    2.3.3 Benefits of EMS
	2.4 ISO- 14001
	    2.4.1 Basic principles and methodology in ISO- 14001
	    2.4.2 Accreditation and Certification Process in ISO- 14001
	2.5 Environmental Audit

Objectives of the Course	To understand the management of interaction by modern human societies with the environment and its impact. To understand the multidisciplinary nature of the Environment and its emphasis on long term resource management and sustainability.

Outcome of the Course	Appreciate the purpose and role of EIA in the decision-making process Acquainted with the environmental management system and its benefits Develop Skills to conduct environmental Audit
Name and Contact details of Programme In charge and Course Facilitators	**Programme Incharge:** Maya Mathew School of Sciences **Course Facilitators** Dr. Nebula Murukesh &Prof. Umamaheswari U School of Sciences.
Any other details the Department wished to add	**NIL**

DEPARTMENT OF BUSINESS ADMINISTRATION
ORGANIZES

ADD ON COURSE
2023-2024

(FOR 1ST, 3RD and 5TH SEMESTER OF BBA REGULAR & AVIATION)

TITLE:- CONTEMPORARY MANAGEMENT PRACTICES
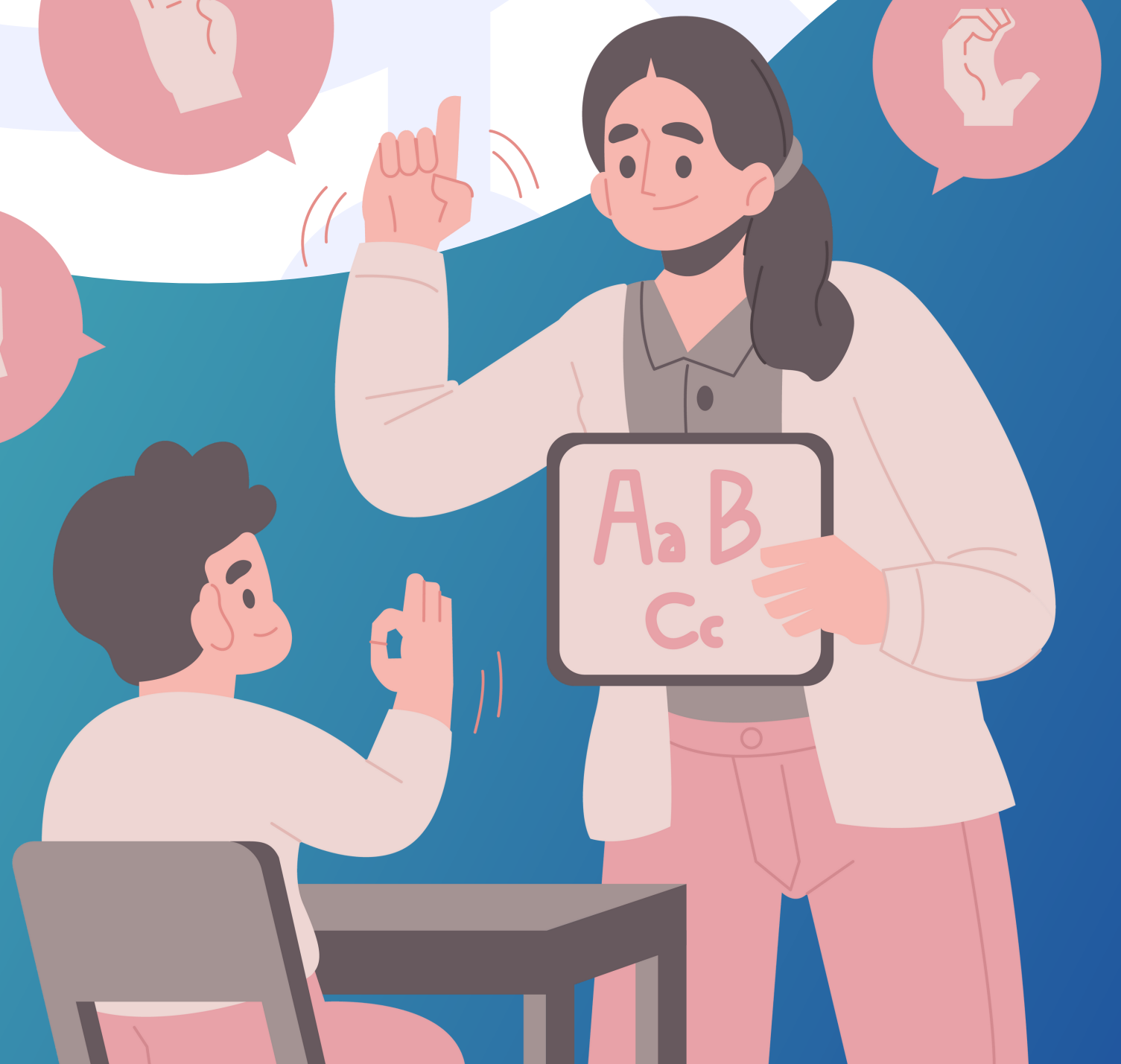
COURSE FACILITATORS :-

Prof. Mangayarkarasi

Prof. Ramandeep kaur

Prof. Ashwini C

Prof. Haritha S

FREE

REGISTRATION

Proposal for Add on Course - BBA

Title of the Course	CONTEMPERORY MANAGEMENT PRACTICES
Date of Registration (From- to)	5th October to 15th October 2023 – Based on approval
Date of Commencement	3rd week of October 2023
Date of Completion	1st week of January 2024
Platform (Online/Offline)	Online
Duration	30 hours
Target Audience	BBA students (I, III, V Semester students)
Registration Fee	NO FEES
Course Facilitators	Mangayarkarasi N, Assistant Professor Ramandeep Kaur, Assistant Professor Ashwini C, Assistant Professor Haritha S, Assistant Professor
Module 1 (Complete syllabus)	**Module 1: Human Resources & Marketing** HR: Introduction, Job analysis, Training & Development, Compensation, Maintenance & Integration functions, Audit & Control functions. Marketing: Introduction, Legal aspects of Marketing, Consumer Behaviour, Recent trends in Marketing, Market Research & Innovation, SDG in Marketing.

Module 2 (Complete syllabus)	**Module 2: Finance & Taxation, Accounting & Auditing** Finance & Taxation: Introduction to Finance and Taxation, Taxation Principles, Financial Statement analysis, Financial Management Strategies, Contemporary issues in Finance and Taxation Accounting & Auditing: Introduction, Importance of Accounting and Auditing, Differences between Accounting and Auditing, Types of Audit, Internal Control & Internal Check, Trends in Audit.
Objectives of the Course	➤ To help all the BBA students gain knowledge on the recent trends in the field of management. ➤ To give insights into contemporary management practices. ➤ To help the students in understanding and adopting the rapid changes in technology, market and global business environment. ➤ To prepare the students for various career opportunities by imparting relevant knowledge and skills.
Outcome of the Course	➤ Students gain a deep understanding on modern management concepts. ➤ Students use the knowledge and skill gained in the course to advance their career. ➤ Students are enabled to understand the global business practices
Name and Contact details of Programme In charge and Course Facilitators	**Programme In charge:** Devichandrika S 9902891522 devichandrikas@sfscollege.in **Course Facilitators:** Mangayarkarasi N, 9489110806

	Ramandeep Kaur, 9915278538 Ashwini C, 9900487713 Haritha S, 9036168593
Any other details the Department wished to add	NIL

Points to Note:

- Separate forms to be filled for different courses
- The syllabus of the Add on Course can be designed by the Department. It should have two modules.
- The main topic and the subtopics of each module should be mentioned.
- Each module should have 12 recorded videos/sessions, two assignments (quiz), and one Assessment at the end of every module (15 hours of workload)
- Each recorded video should be 45 – 60 minutes.
- The complete instructions for the Add On course will be sent after the approval of the course.
- The details provided in the form will be considered final and any changes to the proposal should be intimated to the AAA Coordinator before executing the same.

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CERTIFICATE COURSES OFFERED BY SCHOOL OF BUSINESS AND MANAGEMENT
FOR EVEN SEMESTER 2023-24

- MICROSOFT WORD DOCUMENT
- MICROSOFT EXCEL
- PPT

MODE: ONLINE
HOURS: 30 HOURS

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Proposal for Certificate/Add on Course

Title of the Course	Microsoft Word Document , Microsoft Excel and PPT.
Date of Registration (From- to)	April - 2024
Date of Commencement	April 15TH - 2024
Date of Completion	June 30TH - 2024
Platform (Online/Offline)	ONLINE
Duration	30 hours
Target Audience	300
Registration Fee	NO FEES
Course Facilitators	Asst Prof. Ginsa , Asst Prof. Madhusudan and Asst Prof. Suma.D
Module 1 (Complete syllabus)	**MICROSOFT WORD DOCUMENT :** Document editing and formatting tools - Basic editing ,inserting elements,visual enhancement, Document Layout, Academic and professional tools , pro feeding and review and viewing modes. **MICROSOFT EXCEL :**

Module 2 (Complete syllabus)	**POWER POINT PRESENTATION** Introduction to power point Presentation Design Principles Creating Engaging Slides Advanced Features
Objectives of the Course	The objective of this course is to empower students with comprehensive skills in Microsoft Word, Excel, and PowerPoint. Through hands-on training, students will learn to proficiently create and format documents, analyze data, and design impactful presentations, enhancing their productivity and employability in various academic and professional settings.
Outcome of the Course	students will demonstrate proficiency in Microsoft Word, Excel, and PowerPoint. They will efficiently create and format documents, perform complex data analysis, and design compelling presentations. This skillset enhances their academic performance, employability prospects, and ability to excel in diverse professional environments requiring advanced digital literacy.
Name and Contact details of HOD and Course Facilitators	Asst Prof. Ginsa , Asst Prof. Madhusudan and Asst Prof. Suma.D
Any other details the Department wished to add	NIL

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DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

Spoken Tutorial in collaboration with IIT Bombay

ADD-ON COURSE

I SEM BCA & BSC - C, C++
III SEM BCA & BSC - JAVA
V SEM BCA - PHP with my SQL
V SEM BSC - PYTHON

CONTACT DETAILS :
DR. SIVAGAMI S
9789237429

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Proposal for Add on Course

Title of the Course	Introduction to Python
Date of Registration (From- to)	16th October 2023 to 20th October 2023
Date of Commencement	1st November 2023
Date of Completion	16th December 2023
Platform (Online/Offline)	Online
Duration	24 hours 6 minutes
Target Audience	BCA(I,II,II-Year), B.SC(I,II,III-Year) & M.SC Maths (I-Year)
Registration Fee	NO FEES
Course Facilitators	Infosys Springboard
Module 1 (Complete syllabus)	Programming basics and Functions • Basics of Python • Control Structures in Python • Functions in Python
Module 2 (Complete syllabus)	Libraries and Collections • Collections in Python • Libraries and builtin functions in Python
Module 3 (Complete syllabus)	Code organization Files and Exception handling • Modules and Packages • File Handling in Python • Python playground

Module 4 (Complete syllabus)	Conclusion • Summary
Objectives of the Course	This course describes the basic concepts of Python like Control structures, Functions, Collections, Libraries and built-in functions, Modules and Packages, File and Exception handling in Python
Outcome of the Course	Python – OpenSystem After learning this course users will be able to understand as well as apply the basic concepts of Python to solve and code the business requirements.
Name and Contact details of Programme In charge and Course Facilitators	Devi – Assistant Professor sdevi@sfscollege.in Prathima – Infosys Springboard prathima.r@infosys.com
Any other details the Department wished to add	• Introduction to Python includes 4 Modules and 1 Assessment. • Each sub module of main module contains quiz. • Quiz contains objective type questions of 30 minutes Assessment contains multiple choice questions of 50 minutes (full course content).

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Certificate Courses offered by Computer Science and Applications for Even Semester 2023-24

In association with Spoken Tutorial,IIT Bombay

Inkscape

- Alternate to Adobe illustrator/Corel draw
- Create Posters/ Banners/Brochures
- Design Logos/ Visiting cards

HTML

- Predominant markup language for web pages
- Create Static websites/Web pages/Web forms

Proposal

BCA DEPARTMENT EVEN SEMESTER 2023-24

Title of the Course	HTML 5 and Inkscape
Date of Registration (From- to)	1/05/2024 TO 28/06/2024
Date of Commencement	01/05/2024
Date of Completion	28/06/2024
Platform (Online/Offline)	ONLINE
Duration	30 HOURS
Target Audience	33 students
Registration Fee	Nil
Course Facilitators	Mrs. Mano Shankari Dr. S. SIVAGAMI
Module 1 (Complete syllabus)	HTML Overview - Elements, Tags and Attributes in HTML - Styles and CSS – Lists – Tables - Phrase Tags - Embedding Images - Embedding Audio and Video – Block level elements - Forms
Module 2 (Complete syllabus)	Introduction to Inkscape - Create and edit shapes - Fill color in objects - Copy and paste objects - *Layers and layer palette - Align and distribute various objects - Drawing using Bezier tool - To make an A4 poster - Create Patterns in Inkscape - Creating a simple Warli art

Objectives of the Course	HTML - To create: • Static websites • Web pages • Web forms Inkscape - To create: • Posters/Banners/Brochures • Design Logos and Visiting cards • Create Web pages • Draw illustrations/figures/cartoons • Trace images • Manipulate text • Create web based buttons/icons • Create colourful patterns
Outcome of the Course	Using HTML students learnt to • Embed images and objects and to create interactive forms. • Create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. • Embed scripts in languages such as JavaScript which affect the behaviour of HTML webpages. • Define the appearance and layout of text and other material. • Use CSS Using Inkscape students learnt to • Create objects using Rectanle tool, Polygon tool etc • Manipulate objects using Grouping, Cloning • Transform objects using rotating, scaling, skewing Color objects using Color pallete, Fill and stroke • Draw paths using the Bezier tool and the Pencil tool • Manipulate text using Manul kerns, Superscript and Subscript
Name and Contact details of Programme In charge and Course Facilitators	Programme In Charge: Dr. S. Sivagami, 9789237429 Course Facilitators: Spoken Tutorial in collaboration with IIT Bombay
Any other details the Department wished to add	

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DEPARTMENT OF COMMERCE

Organizes Certificate Course on

- *ORGANIZATIONAL BEHAVIOR – 3rd Year Bcom*

- *INTERNATIONAL MARKETING - 2nd Year Bcom*

- *FINANCE FOR MANAGERS - 1st Year Bcom*

From 27th March 2024
to
20th June 2024

Online Mode

Through Infosys Spring Board

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Department of Commerce

Organizes

Certificate Course

on

PERSONAL FINANCE PLANNING

For 3rd Year Bcom Students

Conducted By
Arivu Pro Skills

Starting from
October to January

Proposal for Certificate/Add on Course

Title of the Course	Finance for Managers
Date of Registration (From- to)	March 27th, 2024
Date of Commencement	March 27th , 2024
Date of Completion	June 20th, 2023
Platform (Online/Offline)	Online (Infosys Spring Board) Click Here
Duration	Above 10 hours
Target Audience	1st year Bcom Students
Registration Fee	NO FEES
Course Facilitators	-
Module 1 **Financial Analysis**	Week 1 - Financial Analysis In this session will give an overview of how to conduct a basic analysis of financial statements (the balance sheet and P&L) and the different items that compose them.
Module 2 **Operational Ratios and Forecasting**	Week 2 - Operational Ratios and Forecasting This session will discuss how the ratios shed light on a firm's strengths and weaknesses. Gives insights into how we can use these ratios to develop the forecasting needed for decision making.

Module 3: **Diagnosis and Action Plan**	Week 3 - Diagnosis and Action Plan In this session, will tell how to diagnose company problems and develop an action plan to address them.
Module 4: **Sensitivity Analysis, NFO Revisited, and Building up the ROE**	Week 4 – Sensitivity Analysis, NFO Revisited, and Building up the ROE In this final week will talk about how conclusions change with changes in key variables, the concept of NFO, we will develop the DuPont analysis, and do a final short game.
Objectives of the Course	The goal of this course is provide learners with a methodology through which they can analyze a company's financial situation and develop sound financing decisions accordingly.
Outcome of the Course	At the end of the course you should be able to: · Analyze and interpret financial statements · Execute financial forecasts · Diagnose financial problems · Develop action plans to resolve financial problems
Name and Contact details of HOD and Course Facilitators	Dr. N.K. Chitra (HOD)-7829885274
Any other details the Department wished to add	Nil

Proposal for Certificate/Add on Course

Title of the Course	International Marketing
Date of Registration (From- to)	March 27th, 2024
Date of Commencement	March 27th , 2024
Date of Completion	June 20th, 2023
Platform (Online/Offline)	Online (Infosys Spring Board) Click Here
Duration	11 Hours 54 minutes
Target Audience	2nd year Bcom Students
Registration Fee	NO FEES
Course Facilitators	-
Module 1	Introduction to International Marketing , International Trade theories, International Market Entry methods
Module 2	Researching Foreign markets, Culture and Buyer behaviour, Governmental &Political Risks, Financial Risks and Currency concerns.
Module 3	Organising for International Markets, International Distribution Strategy, International Product Strategy and segmentation

Module 4	Branding Internationally, International Price, Promotion and Marketing Strategy.
Objectives of the Course	The goal of this course is provide learners with a methodology through which they can analyze various Marketing strategies
Outcome of the study	The course provides an in-depth study of all that goes in International marketing. It began after getting students acquainted with the meaning of the term International marketing, the terms and concepts that are used to problems, government rules and regulations like knowledge of Trade barriers etc.
Name and Contact details of HOD and Course Facilitators	Dr. N.K. Chitra (HOD)-7829885274
Any other details the Department wished to add	Nil

Proposal for Certificate/Add on Course

Title of the Course	Organizational Behavior Course
Date of Registration (From- to)	April 4th, 2024
Date of Commencement	April 4th , 2024
Date of Completion	June 20th, 2023
Platform (Online/Offline)	Online (Infosys Spring Board) Click Here
Duration	13 Hours 19 minutes
Target Audience	3rd year Bcom Students
Registration Fee	NO FEES
Course Facilitators	-
Module 1	Motivation - Theories and Principles, The emerging Challenges in OB, Foundations of Individual Behaviour,
Module 2	Personality, Learniing, perception and Attributes, Attitudes and Values, Applied Motivation practices, Work stress
Module 3	Group Dynamics, Team work, Power and Political Behaviour, Coflicts and Negotiation, Communication.

Module 4	Organization and its culture, Creativity and Innovation, Leadership
Objectives of the Course	This training is dedicated to learning about this most commonly used valuation techniques wherein To make them understand relative valuation right from scratch.
Outcome of the study	With the help of practical application and examples you shall understand the Earning Multiples such as PE ratio, Value/ EBIT , Value / EBIDTA, Ent value/ EBIDTA, Book Value Multiples, Revenue Multiples such as Price / Sales per share, Value/ Sales and industry Specific variables. All these valuation concepts have been taught w.r.t to the financial model of Siemens AG
Name and Contact details of HOD and Course Facilitators	Dr. N.K. Chitra (HOD)-7829885274
Any other details the Department wished to add	Nil

Department of Mathematics

ADD ON COURSE
ON
Probability & Random variables

Objectives
Provide students with the foundations of probabilistic and statistical analysis

Outcome

- **Calculate the expectation and moments of ranndom variables.**
- **Identify the applications of various moment inequalities.**
- **Apply the various laws of large number to sequences of random variables.**

Date of commencement:01/03/2024
Mode: Offline
Duration: 30 hours
Contact: Mathematics Department

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Department of Mathematics

(UG & PG) - ODD semester 2023-2024

Proposal for Add on Course

Title of the Course	Probability & Random variables
Date of Registration (From- to)	**UG** : October 2023 - November 2023 **PG** : December 2023 - January 2023
Date of Commencement	**UG** : 16-10-2023 **PG** : 21-12-2023
Date of Completion	**UG** : 22-11-2023 **PG** : 22-01-2024
Platform (Online/Offline)	Offline
Duration	30 hours
Target Audience	Maths Students
Registration Fee	NO FEES
Course Facilitators	**UG** - R Shenbagavalli **PG** - Rashmi N
Module 1 (Complete syllabus)	• Random experiment, sample point, sample space, event, algebra of events, operations on events. Classical and relative frequency approach to probability - axiomatic approach to probability. Simple problems. • Addition theorem of probability, conditional probability, independence of events multiplication theorem - Bayes theorem and its applications.

Module 2 (Complete syllabus)	• Definition of discrete and continuous random variables - probability mass function, distribution functions and probability density functions and their properties. Expectation of random variables and its properties. • Moment generating function, characteristic function, cumulant generating function - their properties, moments, measures of locations, dispersion, Skewness and Kurtosis for discrete and continuous variates.simple problems
Objectives of the Course	The main objective of this course is to provide students with the foundations of probabilistic and statistical analysis mostly used in varied applications in engineering and science like disease modeling, climate prediction and computer networks etc.
Outcome of the Course	• Calculate the expectation and moments of random variables. • Identify the applications of various moment inequalities. • Explain the concept of convergence and check for the of convergence of a given sequences of random variables. • Find the expressions for the characteristic function of a random variable and verify its properties. • Apply the various laws of large numbers to sequences of random variables.
Name and Contact details of Programme In charge and Course Facilitators	1. Asst. Prof. R Shanmugapriya (Programme Incharge) shanmugapriya@sfscollege.in 2. Asst. Prof. Rashmi N rashmi@sfscollege.in 3. Dr. R Shenbagavalli rshenbagavalli@sfscollege.in

Any other details the Department wished to add	**Text Books :** A.M.Mood, F.A. Graybill and D.C. Boes (1974): Introduction to the theory of Statistics, International student ed. McGraw Hill. Hogg, R.V. and Craig, A.T. (1998): Introduction to Mathematical Statistics, 4th ed. Academic Press. A.M.Goon, M.K.Gupta & B. Dasgupta (1980): An outline of Statistical theory, Vol. I, 6th revised, World Press.