



Institute of Actuaries of India

Statutory body established under an Act of Parliament

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19th October 2024

9th Webinar on Banking, Finance and Investments

The Institute of Actuaries of India (IAI) is pleased to announce 9th Webinar on Banking, Finance and Investment hosted by the Advisory Group on Banking, Finance and Investments.

Date: 9th November 2024, Saturday

Time: 3:00 pm to 5:00 pm, IST

Topics & Speakers:

I. **Modelling credit risk scenarios using stochastic techniques for asset managers**

The presentation aims to cover details around credit risk modelling in particular for the asset managers in developing economies like India. Credit risk is an integral part of the financial risk modelling and is inherently more complex to model compared to some other risks. The modelling involves assessing the risks at the macro level in the first step followed by modelling the sector specific and entity specific risk factors. There is no empirical evidence to suggest whether credit spreads and interest rates exhibit any specific levels of correlation, in fact historical data suggests this correlation to be an evolving one over different time periods. The above makes the modelling of credit risk an extremely difficult task requiring usage of stochastic techniques to estimate risk distributions which would aim to capture extreme tail events sufficiently well for the modelled economy. The presentation aims to do a deep dive into the modelling of credit risk using Real World Economic Scenario Generators for emerging markets like India along with the consideration of specific risk factors and some practical difficulties.

Speaker: Ms. Prerna Nagpal, FIAI, Associate Director - Investments at WTW

Prerna Nagpal is a seasoned investments actuary with over 15+ years of expertise in the investments domain with focus on quantitative modeling and Real World Economic Scenario Generators. Throughout her career, Prerna has demonstrated a profound ability to develop and implement sophisticated financial models that drive strategic investment decisions and risk management solutions. She is the lead for WTW's STAR RW ESG calibration and also leads the India investment team on various investment projects in the delivery of STAR products/client assignments within WTW EMEA Risk Consulting division. She is a member of the Advisory group on Banking, Finance and Investments constituted by The Institute of Actuaries of India. She is also a member of the "Committee to engage and guide the Consultant – for designing and implementation of MARS" constituted by Pension Fund Regulatory and Development Authority (PFRDA) of India.

II. **Practical Generative AI Applications for the busy Banking & Insurance Professional**

Generative AI is revolutionizing the banking and insurance industries, offering powerful tools to streamline operations, enhance customer service, and drive data-driven decision making. From automating routine tasks to providing personalized financial advice, AI applications are transforming how professionals interact with clients, manage risk, and analyze complex data patterns. Key use cases include AI-powered chatbots for 24/7 customer support, intelligent document processing for faster claims handling, and advanced analytics systems that can generate intricate visualizations to uncover hidden trends in vast datasets, enabling professionals to make more informed strategic decisions. As we explore these applications today, we'll focus on practical, implementable solutions that can make an immediate impact on your daily operations, helping you stay competitive in an increasingly AI-driven financial landscape by turning raw data into actionable insights.

Speaker: Mr. Abhishek Mathur, Founder & CEO, GetLaw.in



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Abhishek Mathur is a Salesforce Ranger, IIT graduate, and former engineer at tech giants Google and Microsoft, bringing over 15 years of experience in cutting-edge technology to the table. With deep expertise in Generative AI, prompt engineering, and agentic RAG systems, Abhishek has spearheaded significant projects including the deployment of Bing Image Generator and the creation of an AI-powered legal document analysis platform. His unique blend of technical prowess and practical application knowledge makes him ideally suited to guide busy banking and insurance professionals through the transformative potential of Generative AI in their industries. He is currently working on a Chatbot integration with a CRM system to allow users to interact with complex CRM systems in human language.

Learning outcomes from the webinar:

- ✓ Understand credit risk modeling techniques for developing economies
- ✓ Explore stochastic methods and Real World Economic Scenario Generators in risk assessment
- ✓ Discover practical Generative AI applications in banking and insurance
- ✓ Learn how AI can enhance operations, customer service, and decision-making in finance
- ✓ Gain insights on implementing AI tools for immediate impact in financial services

Target Audience: Actuarial students, qualified actuaries, risk management professionals, banking professionals, other insurance, and finance professionals interested to know more about foundational aspects of credit risk modelling.

Program Schedule:

Sr. No	Sessions	Speaker	Time
1	Introductory Address	Mr. Phanesh Modukuru, Chairperson, AGBFI	3:00 pm – 3:05 pm
2	Modelling credit risk scenarios using stochastic techniques for asset managers	Ms. Prerna Nagpal, FIAI, FIA, Calibration Lead – STAR RW ESG, WTW	3:05 pm – 4:00 pm
3	Practical Generative AI Applications for the busy Banking & Insurance Professional	Mr. Abhishek Mathur, Founder & CEO, GetLaw.in	4:00 pm – 4:55 pm
4	Closing Remarks		4:55 pm – 5:00 pm

Registration fees excluding GST (INR)

IAI Students & Associates	IAI Affiliates & Fellows	Non-Members
750	1000	1000

Registration link: <https://bit.ly/3R84faU>

CPD Credit: as per APS9 (Version 4): 2 hrs (Technical – Any one practice Area)

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