Institute of Actuaries of India

Unit No. F-206, 2ⁿᵈ Floor, F Wing, Tower II, Seawoods Grand Central, Plot no R-1,
Sector 40, Near Seawoods Railway Station, Navi Mumbai- 400706
☎ + 91 22 62433333 🖷 + 91 22 62433322

12 July 2023

ANNOUNCEMENT

PYTHON – THE AI-POWERED PROGRAMMING LANGUAGE: WEBINAR SERIES 2023

I. ABOUT THE PROGRAM

Python is one of the best and widely used programming languages for developing Artificial Intelligence, which is more intuitive and easy-to-write coding. Python is also used for predictive analytics, given its rich and powerful libraries. The progress and future development of Actuarial science is largely depend on how best it adopts python program in machine learning and AI. Learning Python can be a bold step for building a forward-looking actuarial career for all professionals, irrespective of their advancement stage of examinations.

The webinar series- **Python: The AI-Powered Programming Language** is expected to upskill and empower actuarial professionals to handle emerging challenges of the future and widen their roles in the areas of Data science, AI and ML

BENEFITS:

By joining the **"Python - The AI-Powered Programming Language Webinar Series 2023,"** you will have the opportunity to learn from industry experts and experienced practitioners who are at the forefront of AI development. They will guide you through hands-on exercises, real-world case studies, and interactive sessions to ensure you gain practical skills that can be immediately applied to your AI and data related projects.

II. PROGRAM SCHEDULE:

Webinars will be spread over 14 sessions of 2 hours each duration, starting from **18ᵗʰ August 2023**. In order to ensure opportunity for attending live sessions to members and to engage participants for an effective learning and hands on experience, sessions are limited to two days in a week between 7 pm-9 pm by accommodating maximum weekend days

A detailed program schedule is available in **ANNEXURE-I**

*Recorded videos of all webinars will be made available in the member's login page and non-members can access them on Google Drive until **31 October 2023**. However, it is highly recommended to attend all LIVE sessions without fail for optimum learning out of the program.*

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III. REGISTRATION:

Registration fee

✓ **For Members** : Rupees Five thousand (**₹5,000.00**) only, (18% GST extra)
✓ **For Non-members** : Rupees Ten thousand (**₹10,000.00**) only, (18% GST extra)
✓ **Bulk registrations** from Employers will be accepted with a minimum registration count of **25**, where both members and non-members can together register with a lump sum payment of **₹1,50,000.00** (18% GST extra). Any additional count of registrations beyond 25 will be considered with the same average rate.

✓ **Registration menu** : Login to IAI >>Training program>>**Python_New**
✓ **Registration opens** : On 12 July 2023 11.00AM.
✓ **Registration closes** : On 16 August 2023 6.00PM.

IV. FACULTY:

1. **Mr. Ajay Shekhar** FIAI, is a fellow member of the Institute of Actuaries of India. He is currently the Vice President at IDEAL Fastener & in-charge of India operations, where he uses python extensively to develop analytical frameworks in engineering, operations and for automated quality inspections using computer vision. Prior to IDEAL, he was with Ford Motor Company as a part of the Global Data Insights & Analytics team in US & India.

2. **Mr. Shreyash Maheshwari** AIAI, is an associate member of the Institute of Actuaries of India. He uses python extensively to backtest trading strategies and develop quantitative trading systems.

V. COVERAGES:

✓ NumPy
✓ Pandas
✓ Scikit-learn
✓ Regression Modelling
✓ Classification Modelling
✓ Data connectivity
✓ Code optimization
✓ Object oriented programming
✓ Templating & Reporting
✓ Data Scraping
✓ Operational Risk Modelling

VI. CONTACT:

Point of contact for all related queries: Mr. Ravindra Mastekar at: **022 62433348 or**
ravindra@actuariesindia.org

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Program Schedule

18th August 2023 to 30th September 2023, at 7.00 pm to 9.00 pm

Date	Day	Topic	Faculty
18-08-2023	Friday	1. Introduction to Programming	Mr. Shreyash Maheshwari
19-08-2023	Saturday	2. Basic Functions	Mr. Shreyash Maheshwari
25-08-2023	Friday	3. NumPy Basics	Mr. Shreyash Maheshwari
26-08-2023	Saturday	4. NumPy Advanced	Mr. Shreyash Maheshwari
01-09-2023	Friday	5. Pandas Basics	Mr. Shreyash Maheshwari
02-09-2023	Saturday	6. Pandas Advanced	Mr. Shreyash Maheshwari
08-09-2023	Friday	7. Regression Modelling using scikit-learn	Mr. Shreyash Maheshwari
09-09-2023	Saturday	8. Classification Modelling using scikit-learn	Mr. Shreyash Maheshwari
15-09-2023	Friday	9. Interactive Modelling	Mr. Ajay Shekhar
16-09-2023	Saturday	10. Data connectivity	Mr. Ajay Shekhar
22-09-2023	Friday	11. Object oriented programming and code optimization	Mr. Ajay Shekhar
23-09-2023	Saturday	12. Templating & Reporting	Mr. Ajay Shekhar
29-09-2023	Friday	13. Data Scraping	Mr. Ajay Shekhar
30-09-2023	Saturday	14. Operational Risk Modelling	Mr. Ajay Shekhar