International e-Conference on Applied Data Science in Academia and R&D

"Unlocking Insights, Accelerating Innovations: Join the Journey of Applied Data Science in Academia and R&D!"

Domain: Pharma, Food, Supply Chain, Text Analytics

For more details scan here!

JULY 07th, 2024
09.00 AM - 06.00 PM
ZOOM - ONLINE PLATFORM

Jointly Organized by
Tagore College of Pharmacy &
Tagore Engineering College, Chennai
in Association with
A2Z4.0 Research and Analytics Private Limited, Chennai

Program Schedule

07 JULY 2024	
9:00 AM – 9:05 AM	**Welcome Address by TEC**
9:05 AM – 9:10 AM	**Inaugural Address by A2Z4.0**
9:10 AM – 9:15 AM	**Special Address by Dr.K.Ilango, Principal, TCP.** **Dr.R.Ramesh, Principal, TEC.**
	Introduction of Speaker by TEC
	Session – I
9:15 AM – 9:45 AM	**Speaker– Dr. Umesh Banakar,** **President, Banakar Consulting Services, Westfield, USA** **Topic: IP Analytics: Securing IPRs in AI-Based Innovations**
	Introduction of Speaker by TEC
	Session – II
9:45 AM – 10:15 AM	**Speaker – Dr. Balaji Venkateswaran,** **Advance Analytics CoE,Flex, Austin, Texas** **Topic: Text Analytics: Summarization of Literatures and Literature Review**
10:15 AM – 10:45 AM	**BREAK**
10:45 AM – 11:00 AM (Sponsor Session)	**Dr.Promit Ray, Head of Data Science, AI Clade, Germany, AI Chief at AIQ, AI/ML Consultant (Freelance/ Contract): Intro by A2Z4.0**
	Introduction of Speaker by TEC
	Session – III
11:00 AM – 11:30 AM	**Speaker – Mr. Arohan Paul,** **Independent Senior Data Analyst** **Topic: Sensor Analytics: Sensory Analysis and Flavor Prediction**
11:30 AM – 01:00 PM	**9 Students Oral / Paper Presentation – TEC**
01:00 PM – 02:00 PM	**Lunch Break / e-Poster Session – Dr. D. Saravanan, TCP**
	Introduction of Speaker by TCP
	Session – IV
02:00 PM – 02:30 PM	**Speaker – Mr.John Bound Christopher,** **Team Lead – Research Engineer, Kaizen Voiz, Chennai, India.** **Topic: Agri Analytics: Precision Agriculture**
	Introduction of Speaker by TCP
	Session – V
02:30 PM – 03:00 PM	**Speaker – Mr. Samir Saci,** **AI & Analytics for Supply Chain x Sustainability, DHL,Paris, France** **Topic: Food Analytics: Raw Materials Optimization for Food Manufacturing with Python and AI/ML**

03:00 PM – 03:30 PM	Tea Break
Introduction of Speaker by TCP	
Session – VI	
03:30 PM – 04:00 PM	**Speaker – Ms. A. Shalini,** **Senior Manager (DS/ML/AI), ABB, Bengaluru, India.** Topic: Supply Chain Analytics
Introduction of Speaker by A2Z4.0	
Session – VII	
04:00 PM – 04:30 PM	**Speaker – Mr. Vetrivel Panneerselvam,** **Manager – Gen AI, AI Labs, Genpact, Chennai, India.** **Topic: Text Analytics: NLP Analytics**
Introduction of Speaker by A2Z4.0	
Session – VIII	
04:30 PM – 05:00 PM	**Speaker – Prof. Dr. Ajaz Hussain,** **Technical Advisor, A2Z4.0 Research and Analytics Private Limited** **Topic: Pharma Analytics: AI / ML in Formulation and Fraud Detection**
05:00 PM – 05:40 PM	**Panel Discussion – A2Z4.0**
05:40 PM – 06:00 PM	**Valedictory – A2Z4.0**

A2Z 4.0 Research and Analytics Pvt. Ltd.

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Tagore College of Pharmacy

**(Affliated to the Tamil Nadu Dr.M.G.R Medical University,Chennai,TamilNadu,
Approved by Govt.of Tamil Nadu & Pharmacy Council of India,New Delhi)
Vandalur - Kelambakkam Road,Rathinamangalam,Chennai-600 127.**

Tagore Engineering College

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Head of Data Science, CLADE, Germany
AI/ML Consultant
AI Chief at AIQ

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Speakers Introduction

1. Meet Prof. Dr. Ajaz Hussain (Pharma Analytics)

Trained as a pharmacist in India, Ajaz achieved an interdisciplinary doctoral degree at the University of Cincinnati to begin a career in academia, training professional pharmacy practitioners and graduate pharmaceutical scientists. He then spent ten years at the US FDA in positions of increasing responsibilities to eventually lead and champion initiatives that are now the basis for Pharmaceutical Quality in the 21st Century. Then, he accepted the challenge at Sandoz/Novartis to help open the door for a new class of products and biosimilars, and advance several first-in-world products across the regulatory finish lines before the regulators could establish regulatory guidance. . He then took on the challenge of modified-risk tobacco products. Helping Philips Morris International develop a system to generate evidence of hard reduct that regulatory agencies would judge credible, structured the evidence package needed for the iQOS® product line to plan a smoke-free future for the tobacco giant. He now brings this experience to help NuAxon Research reclaim the lost legacy of botanical medicines by practicing good team science. He is committed to the development of self and others, and amidst the chaos, to finding solutions that ensure we keep reducing the harm we are causing to the environment to leave a livable planet for the next generations.

2. Meet Prof. Dr. Umesh Banakar (IP Analytics)

Dr. Umesh Banakar, Ph.D., is a Professor of Pharmaceutics and an Independent Consultant to the Pharmaceutical Industry and Academia worldwide. He holds a Ph.D. from the University of Pittsburgh and advanced training in Controlled Release Technology from MIT. With a distinguished career in drug product development, Dr. Banakar has led over 350 clinical trials (Phase I-IV, including Bioequivalence) for global regulatory submissions. He has directed the development of numerous NDAs and ANDAs, and successfully led multiple CROs and CMOs to international regulatory approvals.

Since 1985, Dr. Banakar has authored over 100 publications, numerous workshop manuals, book chapters, and guest editorials. His notable textbooks include "Pharmaceutical Dissolution Testing" and "Drug Development Process: Increasing Efficiency and Cost Effectiveness." He has served on editorial boards of various scientific journals and is recognized by the WHO and United Nations. Dr. Banakar has received numerous awards for excellence in teaching and research, including two Service to Country Awards from the UN. He also serves as a Testifying Expert in patent litigations and is a founding member of the Society for Pharmaceutical Dissolution Science.

Speakers Introduction

3. Meet Ms. Shalini B (Supply Chain Analytics)

Shalini holds a master's degree in Digital Systems from Maharashtra Institute of Technology. Currently, she works as a senior manager in ABB, Bengaluru. With over 12+ years of experience spanning Data Science, Machine Learning, and Analytics, she has led projects at ABB and SAP Ariba, excelling in DS/ML/AI project handling, client relations, and people management. She has published a Python library on PyPi, developed ML-based pricing tools, and worked on compliance analytics. Shalini has presented at Gracehopper and MLDS Conference and regularly contributes to platforms like LinkedIn and Stack Overflow. Proficient in R/Python, Tableau, and Kafka, with expertise in data cleansing, time series forecasting, and algorithm implementations with Spark. She communicates insights to non-technical audiences and optimizes IT solutions for efficient service levels.

4. Meet Dr. Promit Ray (Food & Sensor Analytics)

Promit Ray, PhD, serves on the leadership team and is the head of data science at CLADE, a bioanalytics and biotechnology company. He is also a data science and AI consultant advising companies about their AI strategy and its consequences. He is one of the founding members of the AI Guild, a machine learning practitioner community.

He is a computational chemist by training and holds a PhD from the Mulliken Center for Theoretical Chemistry at the University of Bonn. He has worked in various data science and data engineering roles across digital healthcare and consulting and has had experience in leading teams across different domains in data. In his present role, he leads a team of data scientists in developing chemometric models and algorithms to simplify the bioanalytics process.

His niche is consulting on the use of data driven insight and AI in business settings. He helps companies enhance their AI game in the intersection of science and AI. He is passionate about science communication. He also hosts webinars and interviews intended to simplify complex topics in science and data science, and is always happy to be contacted for an informal discussion.

Speakers Introduction

5. Meet Dr. Balaji Venkateswaran (Text Analytics)

Dr. Balaji Venkateswaran is a multi-disciplined data scientist cross-skilled in Python, R and Tableau. He has 25 years of IT experience in different roles as database application developer, project manager and data scientist. His expertise is in generative AI and machine learning with Python, specializing in deep learning and neural network applications. He is a creative problem solver who merges business acumen and emerging technologies to develop business management services that catalyze organizational change.

Balaji has a B.Sc. in Physics, M.C.A, M.B.A(supply chain), M.B.A(business analytics), M.S(Finance), M.Tech(Data Science), D.B.A and Ph.D(Data Science). He has published multiple journal papers, patents and technical books. His interests include generative AI, artificial intelligence/machine learning, entrepreneurship, marketing and fintech.

6. Meet Mr. John Christopher (Precision Agriculture)

John is a BTech from Anna University and a Master's degree in Control Engineering and Robotics from the Gdańsk University of Technology. Currently, he works as a Team Lead at Kaizen Voiz. Over 6+ years of experience working in the product development. Worked with 4 products from conception to real-time application. Passionate to incorporate AI & Data Science in various stages of product development: (a) Pre-Launch: Building AI products, AI features for other IT products & (b) Post-Launch: Improve marketability, engagement, product-market fit, data analysis & product pricing. Areas of Interest: Data Science, Mathematical Statistics, Data visualization, Computer Vision, NLP, Chatbots, and Market-related data analysis. Currently working on a few AI verticals across emerging domains. Passionate in building prediction models in domains such as Finance & marketing, Bio-statistics, Healthcare, and NLP. Tools and Technologies: AWS - Solution Architect & Sagemaker, Python - Flask, Tensorflow, Keras, Spark, Boto3, Bash, SQL and other standard data science frameworks.

Speakers Introduction

7. Meet Mr. Vetrivel Panneerselvam (Text Analytics)

Mr.Vetrivel is a Machine Learning Engineer, Kaggle Expert, and Tech Blogger with over a decade of experience in Data Science, Machine Learning, Data Mining, NLP, Deep Learning, Consulting, and Software Engineering. Holding a Master's degree in Data Science from BITS Pilani, [Your Name] excels in engineering and deploying advanced vision and language algorithms to understand and process image and text data.

Skilled in feature extraction, text understanding, visual content summarization, and classification, [Your Name] manages the entire project lifecycle from ideation, POC, design, product development, to deployment. Specializing in developing cutting-edge image classification models capable of handling millions of images across thousands of categories, [Your Name] also mentors junior ML engineers in applying advanced machine learning techniques to solve critical business challenges.

With a proven track record of publishing influential tech blogs, [Your Name] engages with the wider data science community, sharing insights and driving discussions on the latest advancements in the field.

8. Meet Mr.Arohan Paul (Food Analytics)

Arohan Paul completed his integrated master's in Mathematics and Statistics from the National Institute of Technology Rourkela. He currently serves as a Senior Data Analyst at various institutions, with 3 years of experience as a data scientist. Arohan specializes in digital water technology, creating digital platforms for water ecosystems, conducting geospatial data analysis, and predicting contaminants using machine learning. He also possesses expertise in classical NLP techniques and has experience in building and enhancing information retrieval systems.