Curriculum Vitae

Full Name: Dr. Kamran Zakaria

Position/Title: Assistant Professor(Mathematics Department)

Institution: NED University of Engineering and Technology, Karachi

Professional Training/Education:

Ph.D.*(Mathematical Sciences) [from Federal Govt., Urdu University of Arts, Science & Technology , Karachi, Year 2015].*

> TOPIC OF Ph. D. RESEARCH : Investigation of Spectral Expansions connected With Schrödinger's Operator

Masters in Industrial and Business Mathematics from Karachi University, 1998

Certificate Course on the topic "Stochastic Calculus" have been done from IBA (Institute of Business Administration, Sukkur) completed in Winter School Workshop, December , 2018.

Diploma in Computer Science from Petroman Institute of computer science, 1991-1992

B.Sc. in Mathametics from Karachi University,1994.

Professional Training:

> Certificate Course in – "Matlab " from Centre of Contuing Education, NED,2018
>
> ISO TRAINING WORKSHOP on the Topic: "Effective Teaching Skills"; Training ISO held on
>
> 17thto 19thSeptember, 2008 – Dr. SajidaZaki, AssociateProfessor was the respective Presenter.

Chronological List of Positions:

- **Assistant Professor – Mathematics**, in the department of Mathematics, NED University of Engineering and Technology – Karachi, since 2015 upto date.
- **Lecturer – Mathematics**, in the department of Mathematics, NED University of Engineering and Technology – Karachi, since 2008 to 2015
- **Senior Instructor/Lecturer – Mathematics**, in the department of Mathematics, Sir Syed University of Engineering and Technology – Karachi, since 2006 to 2007.
- Lecturer - Mathematics, in the department of Mathematics, MidAsia Institute of Information Technology, 2002 to 2005.
- O level teacher - Matematices/Additional Matematices, AishaBawany Acedemy of O\Leval. 2000-2001.
- Computer programmer/operator, Head Office Ahmed Textile Mills, Karachi Cant, 1994-1996.
- Computer programmer/operator, Computer Department, KESC. Karachi 1998-1999.

Research Publications

1. Two dimensional black – sholes time fractional order non – linear partial differential equation for put options, consist of two stocks by using analytical and numerical solutions ; paper accepted for publication in IEEE repository.

2. Time-frequency analysis of eeg data to distinguish different mental states by using global wavelet spectrum ; Sigma journal of Engineering and Natural Sciences (ISI journal) volume 10 (3), Oct-2019, 265-264

3. EEG data analysis by WPS and GWS ; paper published in International Journal of Scientific & Engineering Research , Volume 10, Issue 3, March-2019 1058-1060.

4. Identification of precipitation zones within Indus River basin (Pakistan) By Global wavelet power spectra; paper published in Journal of Innovative Sciences, Volume 4, Issue 2, Dec 2018, 1-6.

5. Self Adjointness of Hamiltonian Operator and convergence of corresponding Spectral Expansion; paper published in Journal of Basic and Applied Sciences, Volume 6,issue 2,2010,2-6

6. On a estimation of Eigenfunction of Schrdrnger's operator in a closed domain, paper published in MathDigest,INSPEM. UPM. volume 3 issue , 2010,4-6

7. ON THE UNIFORMLY CONVERGENCE SPECTRAL EXPANSIONS CONNECTED WITH SCHRÖDINGER'S OPERATOR OF CONTINUOUS FUNCTIONS IN A CLOSED DOMAIN,paper published in The Nucleus volume 47, No. 4 (2010) : 261-265

8. On the spectral expansions connected with Schrdrnger operator of continous functions in a closed domain, paper published in Journal of Basic and Applied Sciences in 2012,, Research Journal of Karachi University, Recognized by HEC., (Higher education Pakistan)