Curriculum Vitae

Dr. Vineet Srivastava

Assistant Professor (Mathematics) & Dean (R&D)

Department of Applied Science & Humanities

Rajkiya Engineering College, Azamgarh

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OBJECTIVE: To learn, develop, share, and spread my knowledge and to strengthen the organization using my full potential and talent.

CURRENT STATUS:

- Working as Assistant Professor at Rajkiya Engineering College, Azamgarh from 8th December 2017 to till now.

WORK EXPERIENCE:

- **TEACHING: Total Experience 9 years.**

  i. Teaching experience of B.Tech. Students at Rajkiya Engineering College, Azamgarh, from December 8 2017 to till date.

  ii. Teaching experience of B.Tech. Students at Ajay Kumar Garg, Ghaziabad, from Feb. 2014 to 7 December 2017.

  iii. Teaching experience of B. Tech. and M. Tech (First Sem.) Students at IEC – CET, Gr. Noida, from Sept. 2012 to Jan. 2014.

  iv. Two years teaching experience of B. Teach. Students at BBDIT, Ghaziabad, from Sept. 2010 to Sept. 2012.

  v. One year teaching experience of B. Tech. Students at Devprayag Institute of Technical Studies, Allahabad, from Aug. 2009 to Sept. 2010.

- **RESEARCH:** Nine years' experience in research (after Ph.D.) in Mathematical modeling of real world problems using Fractional Calculus especially in the field of Bio Transport Processes. During research I learn some latest and advance numerical methods such as Modified Adomian Decomposition Method, Homotopy Perturbation Method, New Iterative Method, Mess Free Method to get approximate analytical solution of some non-linear or real-world problems.

- **CURRENT RESEARCH INTERESTS:**

  i. Application of Partial differential equation and fractional calculus in modeling real world problems (especially Bio - Transport Problems).

  ii. Using Advance/Latest Numerical Techniques to find out the solution of real world problems.

- **ADMINISTRATIVE EXPERIENCES:**
  i. Working as **Dean** (**R&D**) at REC, Azamgarh from 23rd June 2018 to till date.
  ii. Working as **Dean (P.G.)** at REC, Azamgarh from 09th May 2018 to till date.
  iii. **Coordinator Digital Evaluation** at REC, Azamgarh From 11th May 2018 to till date.
  iv. **Library Office Incharge** at REC, Azamgarh From 22nd December 2017 to till date.
  v. **Warden** Boys Hostel at REC, Azamgarh from 22nd December 2017 to till date.
  vi. **Working** as member of Anti-Ragging Cell from 22nd June 2018 to till date.
  vii. Member of **Purchasing Committee** at REC, Azamgarh**.**
  viii. Working as **Section In-charge** in **AKGEC, Ghaziabad** from July 2014 to December 2017.

- **PUBLICATIONS:**

  - **V. Srivastava** and Dharmendra Tripathi and O. Anwar Beg, "Numerical study of oxygen diffusion from capillary to tissues during hypoxia with external force effects". Journal of Mechanics in Medicine and Biology. Vol. 17, No. 2 (2016) 1750027 (20 pages) Published 23 January 2017.
  - **Vineet Srivastava** and Dharmendra Tripathi, "Numerical study of oxygen diffusion from capillaries to tissues using fractional diffusion equation containing force term (P-163), International Conference on Recent Trends in Mathematics (**ICRTM 2015**), July 10 – 12, 2015, Department of Mathematics, University of Allahabad, Allahabad, U.P.
  - **V. Srivastava**, "Dual-Phase-Lag Heat Equation of Fractional Order of heat transfer within a micro scale region". WJMS, 2013, Vol. 9 (3), pp. 216-222.
  - **V. Srivastava** and K.N. Rai, "Multi-term fractional diffusion equation for Oxygen delivery through capillary to tissues". Mathematical and Computer Modelling, 51 (2010) 616-624.
  - K.N. Rai and **V. Srivastava**, **"**Mathematical modeling of first to third degree burn injury by sinusoidal heating source". Int. J. of Applied Mechanics and Engineering, 2009, vol. 14, No.2, pp. 489-500.
  - **V. Srivastava** and K.N. Rai, "Approximate analytical solution of 3D fractional microscale heat equation using modified homotopy perturbation method". Applied Mathematical Sciences Vol. 3, 2009, no. 32, 1557 - 1565.

- **V. Srivastava**, K.N. Rai and S. Das, "Analytical approach to micro scale bio-film heat transport using homotopy perturbation method". Int. J. of Applied Mathematics and Computation, 2009, vol. 1(3), pp 148-158.

- **ACTIVITIES** (Participating Conference/Workshop/Short Term Training Program)
  i. Faculty Development Program On "**Total Quality Management**" Organized by Department of Mechanical Engineering, Rajkiya Engineering College, Azamgarh, from June 04-08, 2018.
  ii. Organized A NBA Workshop on "**Outcome Based Education**" Sponsored by TEQIP-III being Programme – Coordinator, at Rajkiya Engineering College, Azamgarh, from March 16th - 17th 2018.
  iii. International Symposium on Computational Fluid Dynamics, Department of Mechanical Engineering, Manipal University Jaipur, Rajasthan, from December 18, 2015.
  iv. International Conference on Recent Trends in Mathematics (**ICRTM 2015**), Department of Mathematics, University of Allahabad, Allahabad, U.P. from July 10 – 12, 2015.
  v. Short Term Course on "Numerical and Computational Methods in Engineering (NCME 2015), **NIT, Hamirpur,** Himanchal Pradesh from June 30th – July 4th, 2015.
  vi. National Workshop Cum Training Programme on Advanced Numerical Techniques And Applications, **DST – CIMS, BHU**, **Varanasi**, from June 29 to July 11, 2009.
  vii. Indo-German Workshop-cum-Lecture Series on "Computational Models and Methods Driven by Industrial Problems", **IIT Madras**, from January 5 to January 16, 2009.
  viii. Short Term Course on C – language programme, **Computer Centre, B.H.U**., Varanasi, from 1st September to 6th September, 2008.
  ix. Short Term Training Programme on Scientific Computing and Modeling, **NIT, Warangal**, from 5th May to 10th May, 2008.

- **REVIEWER:**
  International Journal of Biomathematics, World Scientific.

- **SOCIETY:**
  Affiliated with **American Mathematical Society** (AMS) as member.

- **SPECIFIC COMPUTER SKILLS:** to handling
  (1). Mathematica **(2).** M.S.Office

- **PERSONAL DETAILS:**

  Father'sName: Mr. Om Prakash Lal Srivastava (Advocate)

  Mother'sName: Smt. Chandra Kalan Srivastava

  Permanent Address: Arraji No. 7, Bhawanipur, Shivpur, Varanasi, U.P.

  Date of Birth: 26th May, 1981

  Marital Status: Married, **Spouse Name:** Ms. Anupama Srivastava (Neetu)

  Sex: Male

  Language: English & Hindi

- **ACADEMIC QUALIFICATIONS:**

  i. **Ph.D.** from **IIT – B.H.U, Varanasi** in 2009.

(Topic of Research: **Mathematical Modelling and Numerical studies of some Bio-Medical Transport Processes.**)

  ii. **CSIR – NET** qualified in June 2012.

  iii. **JRF** (DST – CIMS, B.H.U., Varanasi, in 2008 - 2009).

  iv. Ph. D. course work from IT - B.H.U. in 2007 with **CGPA** 8.47.

  v. M.Sc. (Mathematics) from Banaras Hindu University, Varanasi in 2003 with **64.5%.**

  vi. B.Sc. (P.M.C.) from U. P. College, Varanasi in 2001 with **64%.**

  vii. Intermediate (10+2) from U. P. I. College, Varanasi in 1998 with **68.4%.**

  viii. High School (10th) from Saraswati Inter College, Varanasi in 1996 with **69.7%.**

- **REFEREES:**

  i. Prof. K. N. Rai (ret.), Department of Applied Mathematics, IIT – B.H.U., Varanasi.

  ii. Prof. S. K. Singh, Department of Mathematics, NIT, Patna.

  iii. Dr. Vineet Kumar Singh, Department of Mathematics, IIT- B.H.U., Varanasi.

  iv. Dr. Sachin Srivastava, Department of Mathematics, Central University Himanchal Pradesh, Dharmshala, H.P.

Dated: 3 July 2018 (Dr. Vineet Srivastava)