Pritpal Singh (Lecturer)
School of Mathematics & Computer Applications
Thapar University, Patiala-04, (Punjab) India   *Mobile: (+91) 9781434450; Email:* pritpal.singh@thapar.edu

OBJECTIVE

★ Seeking jobs in the area of academics and research in the field of Computer Science & Engineering where I can apply my knowledge and skills to my full potential, to fulfill the goals of the organization I am associated with as well as to satisfy my ambitions in the field of research.

EDUCATIONAL QUALIFICATIONS

★ **Doctor of Philosophy:** Pursuing Ph.D. in Computer Science & Engineering (Full-Time), **Expected in 2013**, Department of Computer Science & Engineering, Tezpur University, Assam, India.

★ **Post Graduation:** Mater in Computer Applications (MCA), Jorhat Engineering College (Dibrugarh University), 2008, with **First Class**.

★ **Graduation:** B.Sc. with Physics, Chemistry & Mathematics, Dibru College (Dibrugarh University), 2005, with **First Class**.

★ **Pre-Degree:** Higher Secondary in Science, Assam Higher Secondary Education Council, 2002, with **Second Class**.

★ **HSLC:** High School Leaving Certificate, Secondary Education Board of Assam, 1999, with **First Class**.

RESEARCH INTERESTS

★ Fuzzy Logic, Artificial Neural Network, Rough Sets, Time Series Data Analysis & Prediction (especially weather and share stock price), Climate Modeling, & Grey Modeling.

PUBLICATIONS: INTERNATIONAL JOURNALS

★ **P. Singh** & B. Borah, **"High-order Fuzzy-Neuro Expert System for Daily Temperature Forecasting"**, Knowledge-Based Systems, Elsevier, **Published in 2013**, IF = 4.104 (2013).

★ **P. Singh** & B. Borah, **"Forecasting Stock Index Price Based on M-Factors Type 2 Fuzzy Time Series and Particle Swarm Optimization"**, International Journal of Approximate Reasoning, Elsevier, **Published in 2013**, IF = 1.729 (2013).

★ **P. Singh** & B. Borah, **"An efficient time series forecasting model based on fuzzy time series"**, Engineering Applications in Artificial Intelligence, Elsevier, **Published in 2013**, IF = 1.625 (2013).

★ **P. Singh** & B. Borah, **"An effective neural network and fuzzy time series based hybridized model to handle forecasting problems of two-factors"**, Knowledge & Information Systems, Springer, **Published in 2012**, IF = 2.225 (2012).

★ **P. Singh** & B. Borah, **"Indian Summer Monsoon Rainfall Prediction Using Artificial Neural Network"**, Stochastic Environmental Research & Risk Assessment, Springer, 2013, **Published in 2013**, IF = 1.961 (2013).

PUBLICATIONS: NATIONAL/INTERNATIONAL CONFERENCES

- **P. Singh** & B. Borah, **"An Efficient Method For Forecasting Using Fuzzy Time Series"**, NCTMI' 11, Tezpur University, Assam (India), pp. 67-75, 2011 (Narosa, India) [Level: National].

- **P. Singh** & B. Borah, **"A Multi-Purpose Forecasting Model Based On Fuzzy Time-Series"**, IDRBT Colloquium, IDRBT, Hyderabad, India, 2011 [Level: National].

- **P. Singh** & B. Borah, **"Prediction of all India summer monsoon rainfall using an artificial neural network"**, Proceedings of OCHAMP - 2012, IITM, Pune, India, 2012 [Level: International].

ACHIEVEMENTS

- Qualified **GATE** in 2008.
- Recipient of **Rajiv Gandhi National Fellowship Award** in 2010 from UGC for pursuing full-time Ph.D. course in Computer Science & Engineering.

SUBJECTS OF INTEREST

- Soft Computing, Machine Learning, Design & Analysis of Algorithm, & Java Programming.

ACTIVITIES

- Participated in **PKI Outreach Programme**, conducted by C-DAC, Bangalore, in the Department of Computer Science & Engineering,Tezpur University, India, on 27 August 2009.

- National Level Workshop on **Network Security**, 2010 conducted by the Department of Computer Science & Engineering, Tezpur University, India, on $9 - 10$ June 2010.

- National Level Workshop on **Soft Computing**, conducted by ISI, Kolkata, in the Department of Computer Science & Engineering, Tezpur University, India, on $20 - 23$ December 2010.

PROFESSIONAL TRAINING & EXPERIENCE

- Teacher Training Programme - NITTR, Chandigarh, 10 days (July' 15 to July' 26, 2013).
- JAVA Programming - Naresh Technologies, Hyderabad, 3 months (June 2008 to Ausgust 2008).
- IT Trainee - Galaxie Software Solutions, Hyderabad, 6 months (April 2008 to September 2008), **Environment:** J2EE, Wireless Markup Language & Oracle 10g.
- Project Experience - Techworld Solutions, Hyderabad, 4 months (July 2008 to October 2008), **Environment:** J2EE (Servelet) & Oracle 10g.

PERSONAL PROFILE

- **Father's Name:** Sardar Ranjit Singh
- **Mother's Name:** Rajendra Kaur
- **DOB:** 18th February, 1982
- **Gender:** Male
- **Marital Status:** Married
- **Nationality:** Indian

- ★ **Hobby:** Reading books, Watching movies & Traveling
- ★ **Strength:** Punctual, Good Learning Ethics & Hard Working
- ★ **Language Known:** Hindi, Assamese & English

REFERENCES

- ★ Dr. B. Borah, Associate Professor, Department of Computer Science & Engineering, Tezpur University, Tezpur-28, India.
- ★ Dr. U. Sharma, Associate Professor & Head, Department of Computer Science & Engineering, Tezpur University, Tezpur-28, India.