Department of Computer Science

Faculty Name : Dr. Manu Pratap Singh

Qualification : M. Sc., M. Tech. Ph. D.

Designation : Associate Professor

Experience : 18 years

Department : Computer Science

Contact Information :

Address :& Teachers Quarters, Dr. B. R. Ambedkar University, Khndari, Agra

Phone(Off.) :05622523620

Phone(Res.) :05622850181

Mobile :9319102434

Email_Id :manu_p_singh@hotmail.com

Administrative Assignment:

- Proctor of the university form 2017
- Coordinator, On Line U. P. B. Ed. Counseling 2016 & 2017
- Coordinator on line admission counseling for BALLB and B. Sc. (Ag) for session 2017-2018
- Nodal officer (academic) in TEQP-III

Personal Achievements / Distinctions / Seminars / Paper Presentation:

Conferences / Workshops: Total – 108

(a)	National Conference	- 26
(b)	International Conferences	- 14
(c)	Resource person in Workshops	- 25
(d)	Invited Talks	- 42
(e)	Session Chair	-01

Research Papers : Total – 95

Journals		**- 81**
(i)	International	- 37
(ii)	National	- 44

Proceeding **- 14**
(i) International - 07
(ii) National - 07

Field Of Interest:

- Artificial Neural Network
- Pattern recognition
- Quantum Neural networks

Research Being Guided:

(a) **Ph. D. Program:**

(i) **Degree Awarded:** 18

(b) **M. Tech. Program**:

(i) **Degree Awarded**: 03

Recent Publication / Documentary Contributions:

1. **New Maximally Entangled States for Pattern Associations through Evolutionary Process in a Two-Qubit System.**
   Manu Pratap Singh & B. S. Rajput
   International Journal of Theoretical Physics, SPRINGER, 55 (12) (2017) 3269 – 3287, **Impact factor 1.184, ISSN 0020-7718**
2. **Classification of Pattern Representing Apples and Oranges in three-qubit system**
   Manu Pratap Singh, Kishori Radhey, V. K. Saraswat & Sandeep Kumar
   Quantum Processing System, SPRINGER, 16 (1) (2017), **Impact factor 1.840, ISSN** 1570-0755
3. **Simultaneous Classification of Oranges and Apples Using Grover's and Ventura' Algorithms in a Two-qubit System.**
   Manu Pratap Singh, Kishori Radhey & Sandeep Kumar
   International Journal of Theoretical Physics, SPRINGER, 56 (6) (2017) 2521-2534, **Impact factor 1.184, ISSN** 0020-7718
4. **Process of Quantum Associative Memory (QuAM) through New Maximally Entangled States (Singh – Rajput MES)**
   Manu Pratap Singh & B. S. Rajput
   International Journal of Theoretical Physics, SPRINGER, 55 (7) (2016) 3207 – 3219, **Impact factor 1.184, ISSN 0020-7718**
5. **Quantum Encoding and Entanglement in Terms of Phase Operators Associated with Harmonic Oscillator**
   Manu Pratap Singh & B. S. Rajput
   International Journal of Theoretical Physics, SPRINGER, 55 (10) (2016) 4393 – 4405, **Impact factor 1.184, ISSN 0020-7718**
6. **Optimization of Stochastic networks using simulated annealing for the storage and recalling of compresses images using SOM**
   Manu Pratap Singh & Rinku Sharma Dixit
   Journal of Journal of Engineering Applications Artificial Intelligence, ELSEVIER (Science Direct), 26 (2013), 2383-2396, **Impact factor 1.625**

Research In Hand:

Major Research Project by University Grant Commission (UGC) on "Study of Quantum Neural Networks for Pattern Recognition" of Rs. 12, 70,000/- (Twelve Lac. and seventy Thousand) in year 2014 for Three Years.

Awards/Scholarships

"Young Scientist Award" by **"International Academy of Physical Sciences, Allahabad"** in Year 2005

Foreign Visit:

1. Keynote Speaker in International Conference on Artificial Intelligence Science and Technology (AIST2016) 15 July – 17 July, 2016, Shanghai, China
2. Paper Presentation in International Conference of IFORS (International Federation of Operation Research Society) 13 July – 18 July, 2008, Sandton, Johannesburg, South Africa.