# CURRICULUM VITAE

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| **Name:** | Dr Atul Tripathi |
| **Designation:** | Assistant Professor |
| **School:** | School of Computational Sciences, Information and Communication Technology |
| **Department:** | Department of Computer Science & Information Technology |
| **Specialisation & Research Interests:** | Cloud Computing; Machine Learning; Soft Computing; Multi-Objective Optimization; Deep Learning |
| **Email IDs (Official & Personal)** | atultripathi@mgcub.ac.in, dr.atultripathi22@gmail.com |
| **Mobile No.:** | 9205320519 |
| **Address:** | Dept. of CS&IT, Mahatma Gandhi Central University, Bihar |

## 2.    ACADEMIC QUALIFICATION (in reverse Chronological order):

| Degree | Year | University / Board |
|---|---|---|
| Ph.D. | 2020 | Jawaharlal Nehru University, New Delhi |
| M. Tech | 2014 | Jawaharlal Nehru University, New Delhi |
| M. Sc. | 2010 | University of Allahabad |

| Degree | Year | University / Board |
|--------|------|--------------------|
| B. Sc. | 2008 | University of Allahabad |

## 3.  ANY OTHER QUALIFICATION:

- ➤ UGC JRF-NET
- ➤ GATE

## 4.  PROFESSIONAL EXPERIENCE:

| Organisation/Institute/University | Position Held | Duration |
|-----------------------------------|---------------|----------|
| Mahatma Gandhi Central University | Assistant Professor | November 2016 to till date |

## 5.  COURSES TAUGHT:

**UG Courses:**

Programming and problem solving

Discrete Mathematical Structures

Operating Systems

Compiler Design

Principle of Soft Computing

**PG Courses:**

Advanced Data Structures

Soft Computing

## 6.  CONTRIBUTION TO CORPORATE LIFE OF THE UNIVERSITY:

- ➤ Member of School Board of School of Computational Sciences, Information and Communication Technology.
- ➤ Member of Board of Studies of Department of Computer Science & Information Technology.
- ➤ Ex member of CoE office, Data Cell, University Website Committee.

- Co-convenor of one-week workshop on Machine Learning and Computer Vision (MLCV2019), Organized by Department of Computer Science and Information Technology, Mahatma Gandhi Central University, 3$^{rd}$ April to 7$^{th}$ April 2019.

- Co-convenor of one-week workshop on "Data Analytics using Hadoop (DAH-2019)", Organized by Department of Computer Science and Information Technology, Mahatma Gandhi Central University, Oct 14$^{th}$ -18$^{th}$, 2019.

- Co-convenor of a one-week workshop on Research Challenges in Computer Science and Technology, Organized by Department of Computer Science and Information Technology, Mahatma Gandhi Central University, 18$^{th}$ – 23$^{rd}$ June 2020.

- Co-convenor of a lecture on Data Science and Machine Learning, Organized by Department of Computer Science and Information Technology, Mahatma Gandhi Central University, 4$^{th}$ July 2020.

- Co-convenor of a lecture on E-Commerce, Technology and Trends Organized by Department of Computer Science and Information Technology, Mahatma Gandhi Central University, 5$^{th}$ July 2020.

- Co-convenor of a lecture on How to write and publish research paper? Organized by Department of Computer Science and Information Technology, Mahatma Gandhi Central University, 11$^{th}$ July 2020.

- Co-convenor of a lecture on Image Restoration, Organized by Department of Computer Science and Information Technology, Mahatma Gandhi Central University, 27$^{th}$ July 2020.

- Co-convenor of a lecture on Real Time Database: Research issues, Organized by Department of Computer Science and Information Technology, Mahatma Gandhi Central University, 20$^{th}$ September 2020.

- Convenor of a lecture on Basic Concept of modern and quantum crypto systems to approach the cosmo cryptographical world, Organized by Department of Computer Science and Information Technology, Mahatma Gandhi Central University, 27$^{th}$ September 2020.

- Co-convenor of a lecture on Artificial neural network and its applications, Organized by Department of Computer Science and Information Technology, Mahatma Gandhi Central University, 4$^{th}$ October 2020.

- Co-convenor of a lecture on Fault tolerance in software systems, Organized by Department of Computer Science and Information Technology, Mahatma Gandhi Central University, 11$^{th}$ October 2020.

> ➢ Co-convenor of a lecture on Fault tolerance in software systems, Organized by Department of Computer Science and Information Technology, Mahatma Gandhi Central University, 18ᵗʰ October 2020.

## 7.  MEMBERSHIP OF SOCIETIES / PROFESSIONAL BODIES:

> ➢ IEEE and ACM

## 8.  PUBLICATIONS:

### A.  PAPERS IN REFEREED/PEER REVIEWED JOURNALS:

  i.  Modified Dragonfly Algorithm for Optimal Virtual Machine Placement in Cloud Computing, Journal of Network and Systems Management **(SCI)**, Springer, 2020, **IF 2.250**

  ii.  A model for virtual network embedding using Artificial Bee Colony, International Journal of Communication Systems **(SCI),** Wiley, 2018, **IF 1.31**

  iii.  Energy Efficient VM Placement for Effective Resource Utilization using Modified Binary PSO, The Computer Journal **(SCI),** Oxford University Press, 2018, **IF 1.077**

  iv.  Integration of analytic network process with service measurement index framework for cloud service provider selection, Concurrency and Computation: Practice and Experience **(SCI)**, Wiley, 2017, **IF 1.447**

### B.  PAPERS IN CONFERENCES PROCEEDINGS:

  i.  Big Data, Cloud and IoT: An Assimilation, In the proceedings of International Conference on Advances in Computing, Control and Communication Technology, IEEE, 2018.

  ii.  Task Allocation on Cloud Resources using Analytic Network Process, In the proceedings of International Conference on Advances in Computer Engineering and Applications, IEEE, 2015.

    **C.**        **BOOK CHAPTERS:**

        i.      A Dynamic Resource Provisioning VNE Algorithm Based on Graph Theory, Advances in Data Communications and Networking for Digital Business Transformation, IGI Global, 2018

## 9.    Participations in Workshops/Conferences

- Faculty Development Programme on "Managing Online Classes and Co-Creating MOOCs: 2.0", University of Delhi, 18th – 03rd June, 2020.
- International research workshop on cloud computing (RWCC-16), JNU, New Delhi, 22nd - 23rd Dec, 2016.
- One-week workshop on Next generation computing (NGC-16), NIT, Kurukshetra, 27th - 01st July 2016.
- International research workshop on Big data analytics, JNU, New Delhi, 30th March 2016.
- International research workshop on cloud computing (RWCC-15), JNU, New Delhi, 22nd – 23rd Dec, 2015.
- International conference on advances in computer engineering and applications (ICACEA-2015), IEEE, IMS Ghaziabad,19th - 20th March 2015.
- International mini workshop of on VLSI System, (VLSI-2015), JNU, New Delhi, 12th -13th January, 2015.
- International research workshop of cloud computing (RWCC-2014), JNU, New Delhi, 26th -27th September 2014.
- Tryst-2014 workshop, IIT Delhi, 26th Feb to 1st March 2014.
- User aware program on springer resources, Springer, JNU New Delhi, 24th October, 2013.
- ACM chapter on Computing, ACM chapter Jawaharlal Nehru University, New Delhi, 6th April 2013.
- Workshop on "How to get write and get published in the best journals", Jawaharlal Nehru University, New Delhi, 26th Feb 2013.
- Workshop on "Implementation of Computer Networks", University of Allahabad, 22nd - 24th April 2010.

## 10.    AWARDS, FELLOWSHIPS & OTHER DISTINCTIONS:

- ➢  UGC SRF

*(Dr Atul Tripathi)*