




Aditi Mahavidyalaya

Faculty Details



Title	Dr.	First Name	Santosh Kumar	Last Name	Yadav	Photograph
Designation		Assistant Professor				
Department		Mathematics				
Address		BG – 3/29A, Paschim Vihar New Delhi - 110063				
Phone number		9810888853				
Email		santoshiyadav@aditi.du.ac.in				
Web-Page						
Educational Qualifications						
Degree		Institution			Year	
M.Sc.(Applied Maths)		Osmania University			1998	
M.Sc. (Mathematics)		M. K. University			2001	
M.Phil.(Mathematics)		M. K. University			2003	
M.Sc. (Maths with Comp.App)		Alagappa University			2006	
M.Phil. (Comp. Sc.)		M.K.University			2007	
Ph.D.		Dr. B.R.A.U. Agra			2010	
M. Tech. (Inf. Technology)		KSOU			2012	
M.Tech. (Data Science and Engineering)		B.I.T.S. Pilani			2022	
Career Profile						
More than 30 Years Teaching Experience for UG/PG/Research						
Administrative Assignments						
Had been Custodian of two self-financed state Universities of Rajasthan as Director (Academics and Research)/ PVC and Officiating VC.						
Areas of Interest / Specialization						
Cryptography and Security Analysis, Data Sciences, Machine Learning and Artificial Intelligence,						
Subjects Taught						
Almost All Major Subjects of Pure, Applied and Computational Mathematics.						
Research Guidance						
Guided more than a Hundred research Scholars in the field of Interdisciplinary Mathematical Sciences and Engineering. All research records and Theses are available on Research Portal of UGC Infflibnet (SHODHGANGA). The links of some remarkable Research works are as under :						
http://hdl.handle.net/10603/328018 , http://hdl.handle.net/10603/386376 , http://hdl.handle.net/10603/386407 ,						

<http://hdl.handle.net/10603/382871>, <http://hdl.handle.net/10603/376575>, <http://hdl.handle.net/10603/376374>,
<http://hdl.handle.net/10603/376369>, <http://hdl.handle.net/10603/382865>,
<http://hdl.handle.net/10603/376482>, <http://hdl.handle.net/10603/376576>
<http://hdl.handle.net/10603/376360>, <http://hdl.handle.net/10603/378262>, <http://hdl.handle.net/10603/386400>,
<http://hdl.handle.net/10603/376364>,
<http://hdl.handle.net/10603/378260>, <http://hdl.handle.net/10603/382856>,
<http://hdl.handle.net/10603/379795>, <http://hdl.handle.net/10603/378710>,
<http://hdl.handle.net/10603/386412>, <http://hdl.handle.net/10603/386003>,
<http://hdl.handle.net/10603/376517>, <http://hdl.handle.net/10603/376567>,
<http://hdl.handle.net/10603/376399>, <http://hdl.handle.net/10603/376547>,
<http://hdl.handle.net/10603/241182>, <http://hdl.handle.net/10603/241184>
<http://hdl.handle.net/10603/200468>, <http://hdl.handle.net/10603/241179>,

<http://hdl.handle.net/10603/200476>, <http://hdl.handle.net/10603/219126>,

<http://hdl.handle.net/10603/193980>, <http://hdl.handle.net/10603/219191>

Publications Profile

All Research Papers (more than 200) available on Google Scholar Portal and Research Gate profile of links as under: (SANTOSH KUMAR YADAV)

https://scholar.google.com/citations?view_op=list_works&hl=en&user=0mwKo_gAAAAJ

and

<https://www.researchgate.net/profile/Santosh-Yadav-34>

Most Popular Books with Unique Circulation and available on various e-commerce portals are:

- (i) **Elements of Computer Science** (Jointly with Prof. Sarin) Satya Prakashan, New Delhi (ISBN: 81-7684-367-6) (2000).
- (ii) **Discrete Mathematical Structures**. Satya Prakashan, New Delhi (ISBN: 81-7684-145-5) (2001).
- (iii) **Numerical Analysis and Computer Programming**, Satya Prakashan, New Delhi (ISBN: 81-7684-156-0) (2001).
- (iv) **Numerical Computing**, Satya Prakashan, New Delhi (ISBN: 81-7684-118-8) (2001).
- (v) **Engineering Mathematics**, Satya Prakashan, New Delhi (ISBN: 81-7684-367-9) (2002).
- (vi) **Elements of Graph Theory**, Ane Books, New Delhi. (ISBN:978-93-8061-848-7) (2011)

- (vii) **Research Methodology**, JJT University Publication. (2010)
- (viii) **Research Methodology (Hindi Medium)**, JJT University Publication. (2012)
- (ix) **Some Problems in Symmetric and Asymmetric Cryptography**, LAMBERT ACADEMIC PUBLISHING CO., GERMANY (ISBN: 978-3-659-18031-6) (2012)
- (x) **Discrete Mathematics with Graph Theory**, Ane Books, New Delhi (ISBN:9789382127185). (2012) (Paperback Edition)
- (xi) **Discrete Mathematics with Graph Theory**, Ane Books, New Delhi (ISBN:9789382127185). (2020) (Hardbound International Edition)
- (xii) **Discrete Mathematics with Graph Theory**, Springer International Edition, (2023) (Hardbound Edition)
- (xiii) **Elements of Research Writing**, UDH Publishers and Distributors New Delhi (2015) (ISBN:978-93-82122-35-7)

- (xiv) **Mathematics – I**, Satya Prakashan, New Delhi, (2015) (ISBN:978-93-5192-030-4)
- (xv) **Mathematics-II**, Satya Prakashan New Delhi, (2016) (ISBN: 9789351921189)
- (xvi) **Advanced Graph Theory**, Ane Books Pvt. Ltd., New Delhi, (2017) (ISBN:9789385662634)
- (xvii) **Concepts of Education Management**, Ane Books Pvt. Ltd., New Delhi, (2017) (ISBN: 9789385462887) (Hardbound International Edition).
- (xviii) **Concepts of Education Management**, Ane Books Pvt. Ltd., New Delhi, (2018) (ISBN: 9789386761637) (Paperback Edition).
- (xix) **Higher Education Management, Issues and Facts**, Ane Books Pvt. Ltd., New Delhi (ISBN:9789389212662) (2020) (Hardbound International Edition)
- (xx) **Ethics and Bases in Education Management**, Ane Books Pvt. Ltd., New Delhi (In Press, 2022)
- (xxi) **Research and Publication Ethics**, Ane Books Pvt. Ltd., (ISBN: 9789389212686, 9389212685) (2020) (Paperback Edition)
- (xxii) **Research and Publication Ethics**, Ane Books Pvt. Ltd., (ISBN: 9789389212655, 9389212650) (2020) (Hardbound International Edition)
- (xxiii) **Research and Publication Ethics**, Springer International Publishing , (ISBN:9783031269707) (2023) (Hardbound Edition)
- (xxiv) **Computer Applications in Research**, Ane Books Pvt. Ltd., (ISBN: 9788196206253)(2023) (Hardbound Edition)

Patents During Last Three Years:

1. 202021028479 (INDIA) (JULY3, 2020)
2. 202011025365 (INDIA) (JUNE16, 2020)
3. 2020102319 (AUSTRALIA) (OCTOBER 14, 2020)
4. 202141046002 (INDIA) (08/10/2021)

Conference Organization/ Presentations (in the last three years)

More than a dozen conferences organized during last three years.

Research Projects (Major Grants/Research Collaboration)

Had been member of Committees of DST and DBT projects and Reviews.

Awards and Distinctions

Hitech award of Haryana Government, Beti Bachao Beti Padhao award of Rajasthan Govt., Shiksha Ratn Award of Maharashtra Govt.

Association With Professional Bodies

- Life Member (Fellow): The Institution of Electronics and Telecommunication Engineers (India) (F-135753).
- Life Member: Computer Society of India (168494) (N.C. Member cum Chairman 2016 – 17, Honorary Secretary 2018 – 20).
- Life Member: Indian Society for Technical Education (LM 73169).
- Life Member: Jammu Mathematical Society.
- Member: The Institution of Engineers (India) (117210).
- Member: The Aeronautical Society of India (8825).
- Life Member: International Association of Engineers (Hong Kong) (104606).
- Life Member: Cryptology Research Society of India. (L /481)
- Life Member: Indian Institute of Metals. (46905)
- Life Member: All India Management Association. (LM201111132) (NC-2019-21)
- Life Member: Ramanujan Mathematical Society. (877)
- Life Member: Indian Mathematical Society.
- Life Member: The Indian Science Congress Association (Recorder ICT Section 2019-20).
- Life Member: National Academy of Science (India).
- Member: American Mathematical Society.
- Member: International Association of Cryptology Research (USA).
- Member: World Academy of Computer Science (U.S.A.)

Other Activities

Coordinator of UGC MOOCs (The Vertical of SWAYAM) mOe Govt of India.

