

Cluster Innovation Centre



...Evolving Senses
Dissolving Boundaries...

संकुल
नवप्रवर्तन
केंद्र

Faculty Performa

Title	Prof.	First Name	PANKAJ	Last Name	TYAGI	Photograph
Designation		PROFESSOR				
Address		Coordinator, M.Sc. (Mathematics Education) Cluster Innovation Centre Rugby Sevens Building, University Stadium University of Delhi, Delhi-110054 Residence: N-13, RIVIERA APARTMENT, MALL ROAD, DELHI -110054				
Phone No Office		011-27666702				
Residence		011-65715570				
	Mobile	9810726750				
Email		pankajtyagicicdu@gmail.com pankajtyagi@cic.du.ac.in				
Web-Page		https://ducic.ac.in				
Educational Qualifications						
Degree		Institution			Year	
Ph.D.		Department of Physics & Astrophysics University of Delhi			2002	
PG M.Sc. (Physics with Electronics)		Department of Physics & Astrophysics University of Delhi			1993	
UG B.Sc. (Hons) Physics		Hans Raj College University of Delhi			1991	
Career Profile						
<ul style="list-style-type: none"> Working as Professor at Cluster Innovation Centre (CIC), University of Delhi, Delhi – 110007 since 12 March 2015. On deputation, worked as Associate Professor in Physics & Electronics at Cluster Innovation Centre (CIC), University of Delhi, Delhi – 110007 since 4th July 2012 till 11 March 2015. On deputation, worked as Fellow in Physics at Institute of Lifelong Learning (ILLL), University of Delhi, Delhi – 110007 from 13th Jan 2012 till 3rd July 2012. Worked as teaching faculty in Acharya Narendra Dev College (ANDC), University of Delhi, Delhi from 17th July 1995 till 12th Jan 2012. 						

Administrative & other Academic Assignments

1. Presently working as Coordinator, “M. Sc. (Mathematics Education)”
Meta University Concept based two-years degree programme jointly started by the University of Delhi and Jamia Millia Islamia at the Cluster Innovation Centre, DU since 11th October 2012.
2. Acted as observer in Delhi University Entrance Test – 2017
3. Member in panel of examiners of IGNOU, 2017
4. Acted as member of committee to select Innovators for Innovation Festival 2017 at National Science Centre, Delhi.
5. Acted as Jury of 6th National Level Exhibition and Project Competitions (NLEPC) 2016 of DST- INSPIRE AWARD at NPL New Delhi during December 10-11, 2016
6. Judged Atal Tinkering Labs (ATL) - Innovation Challenge organized under Atal Innovation Mission by NITI Aayog, Government of India in Delhi in Nov 2016
7. Member of Advisory Board for Software Technology Park of India (STPI) Gurgaon since July 2016 till date.
8. Acted as member of Governing body of Swami Shraddhanand College, University of Delhi from 26.02.2016 till 25.08.2016
9. Acted as Jury of INSPIRE AWARD National Level Exhibition & Project Competition (NLEPC) conducted by Department of Science and Technology (DST), Ministry of Science and Technology, Government of India held at IIT Delhi on 06-07 December 2015.
10. Participated in National Workshop on “Best Practices in Citizen Centric Governance” organized by Ministry of Personnel, Public Grievances & Pensions at Vigyan Bhavan, New Delhi on 10-11 September 2015.
11. Participated in “One Day Sensitization Workshop” organized by Centre for Innovation in Public Systems (CIPS) on e-Governance initiatives under “Capacity Building Programmes of Innovatives/Best Practices under Mission Mode Projects of State Governments and Government of India” held on 28 August 2015 at New Delhi.
12. Member of Technical Committee to monitor VPN connectivity in colleges of University of Delhi and North & South Campus from March 2015 till date.
13. Acted as member of Screening Committee for promotion of Group ‘A’ S&T officers under MFCS at Software Technology Park of India, Delhi in May 2016.

14. Worked as member of the Organizing Committee University of Delhi's Cultural & Academic Program "Antardhvani" 2015, 2014, 2013
15. Participated and acted as Coach Coordinator in "Gyanodaya Express III: An Educational Train Journey of University of Delhi" from 02-08 September 2013.
16. Resource Person in the Workshops on Foundation Course "Building Mathematical Ability" (Five Cycles: 15 days: May-July 2013) .
17. Resource Person in the Workshops on Foundation Course "Information Technology" (Five Cycles: 15 days: May-July 2013) .
18. Nominated Member of Empowered Committee for framing curriculum/syllabus of three Foundation Courses under FYUP: Information Technology, Building Mathematical Ability and Science & Life, 2013.
19. Observer for DUSU Polls 2013, 2012.
20. Worked as Fellow in Physics at Institute of Lifelong Learning (ILL), University of Delhi From Jan 2012 till July 2012.
21. Acted as Co-convener in organizing "International Conference and Workshop on Nanostructured Ceramics and other Nanomaterials " (ICWNCN-2012), March 13-16th , 2012 by Department of Physics & Astrophysics, University of Delhi, Delhi, India .
22. Acted as Convener in a 3-Week Refresher Course in the subject "*Physics & Electronics*" conducted by CPDHE, University of Delhi, Delhi-110007, From December 23, 2010 to January 13, 2011.
23. Appointed as an Observer, for conducting FMS-MBA-2011 Examination, University of Delhi, Delhi-110007
24. Acted as Co-coordinator in a 3-Week Refresher Course in the subject "*Physics & Electronics*" conducted by CPDHE, University of Delhi, Delhi-110007, From December 01 to December 22, 2008.
25. Worked in Delhi University Annual Examination Tabulation –2006-2011

Areas of Interest / Specialization

- Innovation
- Thin films
- Optics
- Optical properties
- Thermal Physics
- Electronics

Subjects /Papers Taught

- Deconstructing Machines
- Circuit Analysis and Synthesis
- Electronics at work & Circuit Simulation
- Mechanics
- Thermal Physics
- Optics
- Modern Physics
- Electricity & Magnetism
- Electronic Devices
- Waves & Oscillation
- Digital Electronics
- Quantum mechanics
- Atomic and Molecular Physics
- Solid State Physics
- Nuclear and Particle Physics
- Physics & Electronics Practical

Publications Profile

PAPERS PUBLISHED IN INTERNATIONAL/NATIONAL JOURNALS

1. “Optical band gap demarcation around 2.15 eV depending on preferred orientation growth in red HgI₂ films”, Physica B 510 (2017) 1–6 Publisher: Elsevier
Author: **Pankaj Tyagi**
2. “Trig-Disc: An innovative device for determination of values of trigonometric functions with single measurement” **International Journal of Innovation and Scientific Research**, Vol. 27 No. 1 Oct. 2016, pp. 216-224 , Publisher: Innovative Space of Scientific Research Journals, Morocco
Authors: **Pankaj Tyagi**, Jyoti Sharma, Kamal Ranjan, Vikas Tomar
and Raghavendra Tripathi
3. “Designing of a Basic Mathematical Kit to Assist Mathematical Skill Development Among Children with Autism” **International Journal of Advanced Research in Education & Technology** Vol. 3, Issue 3 (July - Sept. 2016) , pp. 153-158
Authors: Himanshi Vashishth, Sangeeta, Jyoti Sharma, **Pankaj Tyagi**
4. “Effects of in-situ heat-treatment on residual stress dependent optical properties of ZnI₂ thin films” **Indian Journal of Science and Technology**, Vol 9(3), DOI: 10.17485 /ijst/2016/ v9i3 /80489, January 2016
Author: **Pankaj Tyagi**
5. “Development of Target-Group Specific Innovative Android-Based Mathematics Educational Modules” **DU Journal of Undergraduate Research and Innovation** (2015)
Publishers: University of Delhi, India
Authors: Shikhar Sharma , Raghavendra Tripathi, **Pankaj Tyagi**
6. “Revival and Innovations in Mathematics Pedagogy: A Case Study” **International Journal**

of Innovative Trends in Engineering, Volume- 01, Number-01, 13-16, (2014)

Publishers: Foundation of Modern Research, India

Authors: Jyoti Sharma and **Pankaj Tyagi**

7. “*Dependence of optical band gap on residual stress in group IIB iodide (ZnI₂, CdI₂, HgI₂) Films*” **Integrated Ferroelectrics**, **122:1**, 52 -62 (2010)

Publisher: Taylor and Francis

Authors: **Pankaj Tyagi**, R K Misra , N.C.Mehra & A.G. Vedeshwar

8. “*Excitonic absorption in ZnI₂ films*” **Journal of Applied Physics** **100** 083522(1-6) (2006),

Publisher: American Institute of Physics

Authors: A. G. Vedeshwar and **Pankaj Tyagi**

9. “*Occurrence of hysteresis-like behavior of Sb₂Te₃ film in dynamical measurement of heating-cooling cycle*” **Physica B** **362** 158-166 (2005),

Publisher: Elsevier

Authors: P. Arun, **Pankaj Tyagi** and A. G. Vedeshwar

10. “*Effect of residual stress on the optical properties of CdI₂ films*”, **Physical Review B**, **66**, 075422 (1-8) (2002)

Publisher: The American Physical Society

Authors: **Pankaj Tyagi** and A. G. Vedeshwar

11. “*Residual stress dependent optical properties of ZnI₂ films*” **Physica Status Solidi (a)**, **191**, 633-642 (2002),

Publisher: Wiley-VCH, Berlin

Authors: **Pankaj Tyagi** and A. G. Vedeshwar

12. “*Grain size dependent optical properties of CdI₂ films*”, **The European Physical Journal of Applied Physics**, **19**, 3-13 (2002)

Publisher: EDP Sciences

Authors: **Pankaj Tyagi** and A. G. Vedeshwar

13. “*Large grain size dependence of the resistance of polycrystalline films*” **Physica B** **322**, 289-296 (2002)

Publisher: Elsevier

Authors: P. Arun, **Pankaj Tyagi** and A. G. Vedeshwar

14. “*Anisotropic optical band gap of (102) - and (002) - oriented films of red HgI₂*”, **Physical Review B** **63**, 245315 (1-6) (2001),

Publisher: The American Physical Society

Authors: **Pankaj Tyagi** and A. G. Vedeshwar

15. “*Thickness dependent optical properties of CdI₂ films*”, **Physica B** **304**, 166-174, (2001),
Publisher: Elsevier
Authors: **Pankaj Tyagi**, A. G. Vedeshwar and N. C. Mehra
16. “*Grain size dependent optical band gap of CdI₂ films*”, **Bull. Mater. Sci.** **24(3)**, 297-300
(2001),
Publisher: Indian Academy of Sciences
Author: **Pankaj Tyagi** and A. G. Vedeshwar
17. “*Optical properties of ZnI₂ films*”, **Physical Review B** **64**, 245406(1-7) (2001),
Publisher: The American Physical Society.
Authors: **Pankaj Tyagi** and A. G. Vedeshwar
18. “*Aging effects of Sb₂Te₃ thin films*” **Physica B** **307**, 105-110 (2001),
Publisher: Elsevier
Authors: P. Arun, **Pankaj Tyagi**, A. G. Vedeshwar and Vinod Kumar Paliwal

II. PAPERS PUBLISHED IN NATIONAL/INTERNATIONAL CONFERENCES

19. “*Multiple dimensions of functional relevance of Genosensors*” International Conference on Technologically Advanced Materials (ICTAM), I-120, **pp – 77-78** November 7-11, 2016, University of Delhi, Delhi
Authors: M. Kaushik, Sonia, **Pankaj Tyagi** & S. Kukreti
20. “*Study on effect of argon ion irradiation on Sb₂Se₃ thin films*” International Conference on Electron Microscopy (EMSI-2014), July 7-11, 2014, University of Delhi, Delhi
Author: **Pankaj Tyagi**
21. “*Anisotropic nature of optical band gap of SrI₂ thin films*” “International Conference and Workshop on Nanostructured Ceramics and other Nanomaterials ” (ICWNCN-2012), pp – 203-204, March 13-16th, 2012 by Department of Physics & Astrophysics, University of Delhi, Delhi, India
Author: **Pankaj Tyagi***, Vikas Gulia, N.C.Mehra & A.G. Vedeshwar
22. “*Nano-Tubes and Tapes like formation in heat treated PbI₂ thin films*” in “International Conference on Electron Nanoscopy ” (EMSI-2011), pp – 333-334, July 6-8th, 2011 by Defence Metallurgical Research Laboratory (DMRL), Hyderabad, India.
Author: **Pankaj Tyagi***, A.G. Vedeshwar, V. Gulia & N.C.Mehra

23. *“Nucleation and Growth in PbI_2 thin films”* in “International Conference on Advances in Electron Microscopy and Related Techniques” (EMSI-2010), pp – 180-181, March 8-10th, 2010 at Bhabha Atomic Research Centre (BARC), Mumbai, India.
*Author: Pankaj Tyagi**, A.G. Vedeshwar, V. Gulia & N.C.Mehra
24. *“Single crystal growth of BiI_3 by thermal evaporation: TEM investigations”* National Conference on Electron Microscopy & Allied Fields (EMSI-2009), pp-83-84, January 17-20, 2009, Bundelkhand University, Jhansi.
*Author: Pankaj Tyagi**, Chhavi Ranjan, Karnik Pandya, N.C.Mehra & A.G. Vedeshwar
25. *“Morphology of different (hkl) oriented films of some metal iodides”* National Conference on Electron Microscopy & Allied Fields (EMSI-2007), pp-82-83, November 26-28, 2007, University of Delhi, Delhi.
Author: Pankaj Tyagi, Vinod Paliwal, Vikash Gulia, N. C. Mehra and A. G. Vedeshwar
26. *“Thickness dependent morphology of BiI_3 films”* National Conference on Electron Microscopy & Allied Fields (EMSI-2007), pp-86-87, November 26-28, 2007, University of Delhi, Delhi.
Author: Karnik Pandya, C. Ranjan, Pankaj Tyagi, N. C. Mehra and A. G. Vedeshwar
27. *“Morphological study of argon ion irradiated Sb_2Se_3 films in a dense plasma focus device”* Proceedings of 2nd International conference on current developments in atomic, molecular and optical physics with applications (CDAMOP), March 21-23, 2006, University of Delhi, Delhi
Author: Pankaj Tyagi, N. C. Mehra and A. G. Vedeshwar
28. *“Laser induced exit surface damage morphology in Yttrium Aluminum Phosphate”* XXVI Annual Conference on Electron Microscopy & Allied Fields, (EMSI-2003), April 16-18, 2003, CPRI, Shimla (H.P.)
Author: Amit Garg, Avinashi Kapoor, K.N. Tripathi, Pankaj Tyagi and N. C. Mehra
29. *“Faster optical data storage in Sb_2Te_3 films”* XXVI Annual Conference on Electron Microscopy & Allied Fields, (EMSI-2003), April 16-18, 2003, CPRI, Shimla (H.P.)
Author: Pankaj Tyagi, A. G. Vedeshwar, V.K.Paliwal, Amit Garg and N. C. Mehra
30. *“Experimental observation of energy band gap variation with grain size for CdI_2 films”* XXVI Annual Conference on Electron Microscopy & Allied Fields, (EMSI-2003), April 16-18, 2003, CPRI, Shimla (H.P.)
Author: Pankaj Tyagi, A. G. Vedeshwar, V.K.Paliwal, Amit Garg and N. C. Mehra

31. “Residual stress dependent optical properties of CdI_2 films” XXV Annual Conference of EMSI on Electron Microscopy & Allied Fields,(EMSI-2002) Abs. No.- 95, Feb 19-22, 2002, IIT Bombay, Powai, Mumbai.
Author: Pankaj Tyagi, A. G. Vedeshwar, V.K.Paliwal and N. C. Mehra
32. “Thickness dependent optical properties of ZnI_2 films” XXV Annual Conference of EMSI on Electron Microscopy & Allied Fields, (EMSI-2002) Abs. No.-94, Feb 19-22, 2002, IIT Bombay, Powai, Mumbai.
Author: N. C. Mehra, Pankaj Tyagi and A. G. Vedeshwar
33. “Excitonic absorption and its residual stress dependence in ZnI_2 films” Proceedings of National Symposium on Science and Technology of Vacuum and Thin Films, pp-46, Sept 5-7, 2001, Indian Institute of Science, Bangalore.
Author: A.G. Vedeshwar, Pankaj Tyagi and V.K. Paliwal
34. “Effect of heat treatment in CdI_2 films” XXIV Annual Conference of EMSI on Electron Microscopy & Allied Fields, (EMSI-2001) pp-165, Feb 9-11, 2001, RSIC/CIL , Punjab University, Chandigarh.
Author: N. C. Mehra, Pankaj Tyagi and A. G. Vedeshwar
35. “The growth of (102) and (002) preferred orientations of crystallites in HgI_2 films : The thickness dependence” XXIV Annual Conference of EMSI on Electron Microscopy & Allied Fields,(EMSI-2001) pp-87-88, Feb 9-11, 2001, RSIC/CIL , Punjab University, Chandigarh.,
Author: Pankaj Tyagi, A. G. Vedeshwar and N. C. Mehra

III. **BOOKS Published**

36. **Foundation Course “Information Technology”** University of Delhi by D.V. Singh, Shailendra Kumar, Neeraj Tyagi, Pankaj Tyagi, Sanjeev Singh, Manoj Saxena, Ranjan Kumar (2014) (ISBN:978-81-7371-900-4)
Publisher: Universities Press, Hyderabad, India
37. **“I Discover: A Workbook for ICSE Physics Class 8”** by Pankaj Tyagi & Rahul Mehra (2013) (ISBN: 978-1-107-67192-8)
Publisher: Cambridge University Press, New Delhi, India
38. **“I Discover: A Workbook for ICSE Physics Class 7”** by Pankaj Tyagi & Rahul Mehra (2013) (ISBN: 978-1-107-69930-4)
Publisher: Cambridge University Press, New Delhi, India

39. **“I Discover: A Workbook for ICSE Physics Class 6”** by **Pankaj Tyagi & Rahul Mehra** (2013) (ISBN: 978-1-107-69004-2)
Publisher: Cambridge University Press, New Delhi, India
40. **“I Discover: A Textbook for ICSE Physics Class 8”** by **Pankaj Tyagi & Rahul Mehra** (2012) (ISBN: 978-1-107-66922-2)
Publisher: Cambridge University Press, New Delhi, India
41. **“I Discover: A Textbook for ICSE Physics Class 7”** by **Pankaj Tyagi & Rahul Mehra** (2012) (ISBN: 978-1-107-68127-9)
Publisher: Cambridge University Press, New Delhi, India
42. **“I Discover: A Textbook for ICSE Physics Class 6”** by **Pankaj Tyagi & Rahul Mehra** (2012) (ISBN: 978-1-107-68412-6)
Publisher: Cambridge University Press, New Delhi, India
43. **“Visualised Science (Term I) –CBSE X”** by P N Kapil, **Pankaj Tyagi**, Sarita Kumar (2011) (ISBN: 978-81-8350-352-5)
Publisher: Sultan Chand and Son(s) Pvt Ltd.- Educational Publishers , Delhi
44. **“Visualised Science (Term II) –CBSE X”** by P N Kapil, **Pankaj Tyagi**, Sarita Kumar (2011) (ISBN: 978-81-8350-353-2)
Publisher: Sultan Chand and Son(s) Pvt Ltd.- Educational Publishers , Delhi
45. **“Visualised Science (Term I) –CBSE IX”** by P N Kapil, **Pankaj Tyagi**, Sarita Kumar (2011) (ISBN: 978-81-8350-354-9)
Publisher: Sultan Chand and Son(s) Pvt Ltd.- Educational Publishers , Delhi
46. **“Visualised Science (Term II) –CBSE IX”** by P N Kapil, **Pankaj Tyagi**, Sarita Kumar (2011) (ISBN: 978-81-8350-355-6)
Publisher: Sultan Chand and Son(s) Pvt Ltd.- Educational Publishers , Delhi
47. **“I Explore: A Science Textbook for Class 8”** by Shobhita Johri, **Pankaj Tyagi & Parminder Chopra** (2010) (ISBN: 978-0-521-18602-5) (with CD ROM)
Publisher: Cambridge University Press, New Delhi, India
48. **“I Explore: A Science Textbook for Class 7”** by Shobhita Johri, **Pankaj Tyagi & Parminder Chopra** (2010) (ISBN: 978-0-521-18600-1) (with CD ROM)
Publisher: Cambridge University Press, New Delhi, India

49. **“I Explore: A Science Textbook for Class 6”** by Shobhita Johri, **Pankaj Tyagi** & Parminder Chopra (2010) (ISBN: 978-0-521-18597-4) (with CD ROM)
Publisher: Cambridge University Press, New Delhi, India
50. **“Self Tutor : Visualised Science – CBSE X” (Term I)** by **Pankaj Tyagi**, Vinod Kumar & Beena Jain (2009) (ISBN: 978-81-8350-289-4)
Publisher: Sultan Chand and Son(s) Pvt Ltd.- Educational Publishers , Delhi
51. **“Self Tutor : Visualised Science – CBSE X” (Term II)** by **Pankaj Tyagi**, Vinod Kumar & Beena Jain (2009) (ISBN: 978-81-8350-343-3)
Publisher: Sultan Chand and Son(s) Pvt Ltd.- Educational Publishers , Delhi
52. **“Visualised Physics – CBSE IX”** by **Pankaj Tyagi** (2009) (ISBN: 978-81-8350-277-6)
Publisher: Sultan Chand and Son(s) Pvt Ltd.- Educational Publishers , Delhi
53. **“Global Warming: Ek Karva Sach ”(in HINDI)** by **Pankaj Tyagi**, (2009) (ISBN: 978-81-8838-745-8)
Publisher: Pallav Prakashan, Delhi
54. **“Email – Aadhunik Chithi ” (in HINDI)** by **Pankaj Tyagi**, (2009) (ISBN: 978-81-8865-231-0)
Publisher: Shanti Prakashan, Delhi
55. **“Visualised Physics – CBSE X”** by **Pankaj Tyagi** (2008) (ISBN: 978-81-8350-235-0)
Publisher: Sultan Chand and Son(s) Pvt Ltd.- Educational Publishers , Delhi
56. **“Self Tutor Science Physics – CBSE X”** by **Pankaj Tyagi**, (2007) (ISBN: 978-81-8350-228-8)
Publisher: Sultan Chand and Son(s) Pvt Ltd.- Educational Publishers , Delhi
57. **“Ekkisvin Sadi Ka Vigyan” (in HINDI)** by **Pankaj Tyagi**, (2002) (ISBN: 81-88387-19-3)
Publisher: Pallav Prakashan, Delhi

Conference Organization and Participation

Organization of a Conference/Participation in a Conference

1. Participated in **International Conference on Technologically Advanced Materials (ICTAM)** held in University of Delhi from November 7-11, 2016
2. Keynote Speaker in 2nd **International Conference on Science, Technology and Management** organized by Conference World AR Research Publication and held on 27th September 2015 at University of Delhi. Title of talk “Innovation at undergraduate Level: Need for Industrial and Academic Linkage”.
3. Participated in the “**World Conference on Global Innovation**” organized by Human Life Advancement Foundation (HLAF) held on 27th March 2013 at Putra World Trade Centre, **Kuala Lumpur, Malaysia**.
4. Participated in the **International Conference “The Legacy of Srinivasa Ramanujan”** organized by University of Delhi from 17-22 December 2012 and worked as member of Local Organizing Committee.
5. Participated in the **Academic Congress “Enabling the Young : Redefining Education”** organized by University of Delhi from September 6-7, 2012 and acted as rapporteur for the session “Integrating Mind, Body, and Heart” with Mr. Sanjeev Bhargava, Founder, SEHER, and Mr. K. Srikanth, Chief Selector of the Indian Cricket team as speaker.
6. Acted as **Co-convener** in organizing “**International Conference and Workshop on Nanostructured Ceramics and other Nanomaterials ” (ICWNCN-2012)**, March 13-16th , 2012 by Department of Physics & Astrophysics, University of Delhi, Delhi, India
7. Acted as **Co-convener** in organizing “**International Conference on Electroceramic (ICE-2009)**”, December 13-17th 2009, Department of Physics & Astrophysics, University of Delhi

Research Projects (Major Grants/Research Collaboration)

1. Co-PI in a project “Establishing Process Based Identification and Mentoring Practices for Potentially Gifted Children in Science and Mathematics” funded by DST through PSA, GoI (2014-2017) (Grant Rs.1.27 Crore)
2. PI in Innovation Project of University of Delhi for the project “Innovatively designed physics experimental modules with link to interactive website and mobile apps”: 2015-16 (Grant Rs. 5.00 Lakh)
3. PI in Innovation Project of University of Delhi for the project “Designing innovative working models to explain concepts of physics and mathematics along with IT based module”: 2013-14 (Grant of Rs. 7.50 Lakh)

4. Co-PI in Innovation Project of University of Delhi under the scheme “Programs for Enhancing undergraduate Learning and Teaching Experiences through Innovative Projects” for the project titled “IT model for parking space management: optimal and efficient parking-retrieval of vehicles”: 2012-13 (Grant of Rs. 10 Lakh)

Awards and other Distinctions

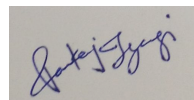
1. “Teaching Excellence Award for Innovation” by University of Delhi during academic session 2014-15 for Innovation Project “Designing Innovative Working Models to Explain concepts of Physics and Mathematics along with IT based modules”.
2. Represented University of Delhi at 2nd National Knowledge Network Workshop Entitled “Enhancing Research Collaborations through NKN” held from 17-19th October 2013 at IISc Bangalore.
3. Participated as Invited Guest to the official launching of the Human Life Advancement Foundation & World Conference on Global Innovation held on 27th March 2013 at Putra World Trade Centre, Kuala Lumpur, Malaysia.
4. Participated in the Jury Process of INSPIRE AWARD National Level Exhibition and Project Competition (NLEPC) conducted by Department of Science and Technology (DST), Ministry of Science and Technology, Government of India held at New Delhi in 2014, 2013, 2012.
5. Nominated for “The 2006 Man of The Year’s Commemorative Medal” by Board of International Research of the American Biographical Institute (ABI), North Carolina, USA.
6. Nominated for “The 2005 Man of The Year’s Commemorative Medal” by Board of International Research of the American Biographical Institute (ABI), North Carolina, USA.
7. Graduate Aptitude Test in Engineering (GATE) – 1993, Percentile Score 88.48
8. Qualified at Joint CSIR/UGC National Level Test for Junior Research Fellowship (JRF) and Eligibility for Lectureships (NET) -1993
9. Delhi University Science Meritorious Award 1990-91.
10. Certificate of Junior National Mathematics Olympiad Contest-1986

Association With Professional Bodies

1. Life membership of “Ramanujan Mathematical Society” (Registered No. 64/1985), Thiruchippali, India (Membership No. 1139)
2. Life membership of “Electron Microscope Society of India (EMSI) ” (Registered No. SC/5228), India (Membership No. LM-476)
3. Life membership of “Society for Technologically Advanced Materials of India” (STAMI-Regd. No. MH/589/07).
4. Honorary appointment as member of the Research Board of Advisors, The American Biographical Institute (ABI), North Carolina, USA since 2003.
5. Guest faculty in University of Petroleum & Energy Studies (UPES), Delhi for B.Tech. during academic session 2003-04.
6. Guest faculty in Keshav Mahavidhyalaya, University of Delhi, Delhi for B.Sc.(H) Electronics and B.Sc.(G) during the academic session 2003-04, 2004-05, 2005-06.
7. Worked on a project on “Super luminal motion and relativistic beaming of quasars” under the guidance of Dr. Gopal Krishna at Inter-University Centre for Astronomy and Astrophysics (IUCAA) , Pune from June 3-27, 1992.

Other Activities

1. Conducted a seminar on ‘Experiment with Light’ on 2.2.2016 at Kendriya Vidyalaya, Shalimar Bagh, Delhi for JNNSMEE Regional Science exhibition.
2. Keynote Speaker in 2nd International Conference on Science, Technology and Management organized by Conference World AR Research Publication and held on 27th September 2015 at University of Delhi. Title of talk “Innovation at undergraduate Level: Need for Industrial and Academic Linkage”.
3. Judged Science inter-school competition “Heisenberg” at Bal Bharti Public School on 5th May 2015.



Signature of Faculty Member
21.07.2017