

CURRICULUM VITAE

NAME : Dr. VISHNU NARAYAN MISHRA
 DESIGNATION : Assistant Professor of Mathematics
 FATHER'S NAME : Shri Ved Prakash Mishra
 MOTHER'S NAME : Smt. Sharda Mishra
 SEX : Male
 MARITAL STATUS : Unmarried
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EDUCATIONAL QUALIFICATIONS:

Examination Passed	Year	Board/Univ.	Subjects	Marks obtained	Percentage and Division	Remarks, if any
B.Sc. <u>(Gold Medalist)</u>	2000	Dr. Ram Manohar Lohia Avadh University Faizabad (U.P.)	Mathematics, Physics, Chemistry	1455/1800	80.83 % First	Mahavidyalaya Gold Medal, Acharya Narendra Dev Smriti Samman.
M.Sc. <u>(Double Gold Medalist)</u>	2002	-do-	Mathematics	1022/1200	85.16 % First	M.Sc. Gold Medal, Kulaadhipati Gold Medal 2002.
Gate	2003		Mathematics		80.33%	
C.I.C. (Certificate in Computing)	2004	IGNOU New Delhi	C.I.C.-1, C.I.C.-2, C.I.C.-4, C.I.C.-5	244/400	61.0% First	
Ph.D.	2007	I.I.T. Roorkee, (Uttarakhand)	Mathematics			During Ph.D., got MHRD fellowship.

AWARDS / PRIZES:

- 1. First rank** in District Sultanpur (U.P.) in Intermediate (1997) in Science group.
- I was awarded “**Acharya Narendra Dev Smriti Samman**” from former District Magistrate of Faizabad (U.P.) Smt. Archana Agarwal on **October 31, 2000** at Narendralaya Prekshagriha Faizabad (U.P.).

3. I was awarded “**Mahavidyalaya Gold Medal**” from former Chief Minister of U.P., Shri Rajnath Singh on **January 29, 2001** at K.S. Saket P.G. College Ayodhya Faizabad (U.P.).

4. I was awarded “**Special Certificate (Gold Medal in M.Sc.)**” in 28th Convocation from Chief Minister of U.P. Shri Mulaayam Singh Yadav on **December 2, 2003** at K.S. Saket P.G. College Ayodhya Faizabad (U.P.).

5. I was awarded “**Kulaadhipati Gold Medal 2002**” from former Governor Acharya Shri Vishnu Kant Shastri ji and former Agriculture Minister Shri Rajnath Singh on **February 13, 2004** at Dr. Ram Manohar Lohia Avadh University Faizabad (U.P.).

6. I was awarded “**Er. Vivek Mohan Memorial Young Scientist Award (Mathematics)**” and a cash of Rs 1100/ from Prof. Rajendra G. Harshe, (Vice Chancellor of Allahabad University) for presenting paper entitled “On the degree of Approximation of Signals (Functions) belonging to Generalized Weighted $W L_p, \xi(t), (p \geq 1)$ -class by Product Summability Method” during **11th International Conference** of the International Academy of Physical Sciences (CONIAPS XI) held at University of Allahabad during February 20-22, 2010.

7. Awarded Ist position Certificate & Cash prize of Rs 1000/ on Hindi Divas (Sept. 14, 2011) from Mr. Praveen Agrawal, Income Tax Commissioner (President Rajbhasha Nagar Samiti) in Essay Competition (8th Sept.) during Hindi Pakhvada Sept. 2 - 14, 2011 held at LT1 Seminar hall of SVNIT, Surat (Gujarat).

8. Awarded Ist position Certificate & Cash prize of Rs 1000/ on Hindi Divas (Sept. 14, 2011) from Mr. Praveen Agrawal, Income Tax Commissioner (President Rajbhasha Nagar Samiti) in Quiz Competition (8th Sept.) during Hindi Pakhvada Sept. 2 - 14, 2011 held at LT1 Seminar hall of SVNIT, Surat (Gujarat).

TEACHING EXPERIENCE:

1. Taught Engineering Mathematics in **B.Tech. III Semester** and Advanced Mathematics in **M.Tech. I Semester** from August 4, 2003 to December 12, 2003 as **Guest Lecturer** in the Department of Mathematics, **Moti Lal Nehru National Institute of Technology, Allahabad (U.P.), Allahabad**. Thus as a Guest Lecturer I have only 5 months teaching experience.

2. As a **Ph.D. research scholar** I have also taken the tutorial classes of **B.Tech. and M.Sc.** students in the Department of Mathematics, **Indian Institute of Technology Roorkee, Roorkee (Uttarakhand) (India) from January 5, 2004 to July 20, 2007**.

3. Presently I have been working as an **Assistant Professor** of Mathematics at **Sardar Vallabhbhai National Institute of Technology, Ichchhanath Mahadev Road, Surat, Surat, (Gujarat) since August 24, 2007**.

Courses Taught

Post Graduate level: Approximation & Summability Theory, Calculus (MM-203), Linear Algebra (MM-203), Abstract Algebra (Elements of Algebra MM-401) Functional Analysis (MM-402), Mathematical Analysis (Real and Complex Analysis), Numerical Analysis, Integral Transforms & Integral Equations (ASM-320), Advanced Engg. Mathematics.

Graduate Level: Engg. Mathematics - I, II, III, Analytical Geometry (of two & three dimensions), Vector algebra, Complex Analysis.

Teaching Experience: 5years +

AREAS OF SPECIALISATION

Approximation Theory, Summability Theory, Fourier analysis, Inequalities, Special Functions and Functional Analysis.

PUBLICATIONS

1. M.L. Mittal, Uaday Singh, **Vishnu N. Mishra**, Shalini Priti, Saurabh Shyam Mittal, Approximation of functions (signals) belonging to $Lip \xi(t), p$ - class by means of conjugate Fourier series using linear operators, **Indian Journal of Mathematics Vol. 47, Nos. 2 - 3, (2005), 217-229.**
2. M.L. Mittal, B.E. Rhoades, **Vishnu Narayan Mishra**: Approximation of signals (functions) belonging to the weighted $W L_p, \xi(t), (p \geq 1)$ -class by linear operators, **Int. J. Maths. Math. Sci. USA ID 53538 (2006) pp.10, MR # 2268522.**
3. **Vishnu Narayan Mishra**, M.L. Mittal, Uaday Singh, On best approximation in locally convex space, **Varāhmihir Journal of Mathematical Sciences India, Vol. 6, No.1, (2006), 43-48.**
4. M.L. Mittal, Uaday Singh, **Vishnu Narayan Mishra**, Approximation of signals (functions) belonging to the weighted $L_p, \xi(t)$ -class by Nörlund means, **Varāhmihir Journal of Mathematical Sciences India, Vol. 6, No.1, (2006), 383-392.**
5. M.L. Mittal, B.E. Rhoades, **V.N. Mishra**, Uaday Singh, Using infinite matrices to approximate functions of class $Lip(\alpha, p)$ using trigonometric polynomials, **Journal of Mathematical Analysis and Applications, (Elsevier Journals) Vol. 326 (2007), 667-676.**
6. M.L. Mittal, Uaday Singh, **Vishnu N. Mishra**, On the strong Nörlund summability of conjugate Fourier series, **Applied Mathematics and Computation, Elsevier Journals, Vol. 187 (2007) 326-331.**
7. M.L. Mittal, **Vishnu Narayan Mishra**, Approximation of Signals (functions) belonging to the weighted $W L_p, \xi(t), (p \geq 1)$ -class by almost matrix summability method of its Fourier series, **International J. of Math. Sci. & Engg. Appls. (IJMSEA) Vol. 2 No. IV (2008), 285-294.**
8. **Vishnu Narayan Mishra**, On the Degree of Approximation of Signals (Functions) belonging to the Weighted $w L_p, \xi(t), (p \geq 1)$ - class by almost matrix summability method of its conjugate Fourier series, **Int. J. of Appl. Math and Mech. 5 (7): 16-27, 2009.**
9. **Vishnu Narayan Mishra**, On the degree of Approximation of Signals (Functions) belonging to Generalized Weighted $W L_p, \xi(t), (p \geq 1)$ -class by Product Summability Method, **Journal of International Academy of Physical Sciences (JIAPS), ISSN 0974 – 9373, Vol. 14, No. 4, (2010), pp. 413 - 423.**
10. **Vishnu Narayan Mishra**, Huzoor H. Khan, Kejal Khatri, Degree of Approximation of Conjugate of Signals (Functions) by Lower Triangular Matrix Operator, **Applied Mathematics (Scientific Research Open Access Journal), Vol. 2, No. 12, pp. 1448-1452, 2011.** Available online on website <http://www.scirp.org/journal/am>
11. **Vishnu Narayan Mishra**, Lakshmi Narayan Mishra, Trigonometric Approximation of Signals (Functions) in $L_p (p \geq 1)$ – norm, **Int. J. Contemp. Math. Sciences, Vol. 7, 2012, no. 19, pp. 909 – 918.**
12. **Vishnu Narayan Mishra**, Huzoor H. Khan, Kejal Khatri, On Approximation of Conjugate of Signals (Functions) belonging to the Generalized Weighted

$W L_r, \xi(t)$, ($r \geq 1$) – class by Product Summability means of Conjugate Series of Fourier series, **Int. J. of Mathematical Analysis, Vol. 6, 2012.**

Paper presented in conferences / seminars:

1. M.L. Mittal, Uday Singh, **Vishnu Narayan Mishra**, “On the Degree of Approximation of Signals (Functions) Belonging to the Weighted $L_p, \psi_1(t)$ - Class” in 71st Annual Conference of the “Indian Mathematical Society” held at Department of Mathematics, Indian Institute of Technology Roorkee, Roorkee, India from December 26 - 29, 2005.
2. M.L. Mittal, B.E. Rhoades, **Vishnu Narayan Mishra**, “On the Degree of Approximation of Signals (Functions) Belonging to the Weighted $W L_p, \xi(t)$, ($p \geq 1$)- Class by Matrix (Linear) Operators on a Conjugate Series of Fourier Series” in the “National Conference on Analysis and its Applications” held at Department of Mathematics, Banaras Hindu University Varanasi - 221005, India from January 20 - 22, 2006.
3. M.L. Mittal, **Vishnu Narayan Mishra**, “Approximation of Signals (Functions) Belonging to the Weighted $W L_p, \xi(t)$, ($p \geq 1$)- Class by Almost matrix summability methods of its Fourier series” in 73rd Annual Conference of the “Indian Mathematical Society” held at Department of Mathematics, University of Pune, Pune, India from December 27 - 30, 2007.
4. Vishnu Narayan Mishra, “On the Degree of Approximation of Signals (Functions) Belonging to the Weighted $W L_p, \xi(t)$, ($p \geq 1$)- class by Almost matrix summability method of its conjugate Fourier series” in the “International Conference on Analysis and its Applications (ICAA-08)” held at Department of Mathematics, Aligarh Muslim University, Aligarh - 202002, India from November 3-5, 2008.
5. M.L. Mittal, **Vishnu Narayan Mishra**, “Trigonometric Approximation of Functions in L_p – Norm” in the 74th Annual Conference of the “Indian Mathematical Society” held at Department of Mathematics, University of Allahabad, Allahabad during December 27-30, 2008.
6. Vishnu Narayan Mishra, “On the degree of Approximation of Signals (Functions) belonging to the Weighted $W L_p, \xi(t)$, ($p \geq 1$)-class by $(C, 1)$ $(E, 1)$ means of its Fourier series” in the Platinum Jubilee 75th Annual Conference of the Indian Mathematical Society (IMS) held at Kalasalingam University (Kalasalingam Academy of Research and Education), Anand Nagar, Krishnankoil-626190, Srivilliputtur (via), Virudhunagar (Dt.), Tamil Nadu, India during December 27-30, 2009.

Participation in Workshop/Symposium and Short Term Training Programme

1. Participated in the Workshop on “Nonlinear Dynamical Models And Their Behavior” from 11th to 13th March, 2005 in the Department of Mathematics, I.I.T. Roorkee, Roorkee (Uttarakhand), India.
2. Participated in the XXI Annual Conference of “The Mathematical Society” held at Banaras Hindu University Varanasi from January 23 and 24, 2006.
3. Participated at Lecture series on “Generalized Laws of Mass, Momentum and Energy Conservation” held during February 6-8, 2008 at Mechanical Engineering Department of S.V. National Institute of Technology, Surat-395007, (Gujarat) India.
4. Attended the Symposium on “Current Trends in Biomathematics” on 14th March 2005, held in the Department of Mathematics, I.I.T. Roorkee, Roorkee (U.A.), India.

5. Attended “Induction Training” organized by Effective Quality Upgradation Assistance for Technical Education, New Delhi during January 21-23, 2008 at S.V. National Institute of Technology, Surat-395007, (Gujarat), India.
6. Attended “Pedagogy Training” organized by Effective Quality Upgradation Assistance for Technical Education, New Delhi during May 12-15, 2008 at S.V. National Institute of Technology, Surat-395007, (Gujarat), India.
7. Attended “Training on Research Methodology in Engineering” organized by Effective Quality Upgradation Assistance for Technical Education, New Delhi during May 16-17, 2008 at S.V. National Institute of Technology, Surat-395007, (Gujarat), India.
8. Participated in “AICTE Staff Development Programme on Computational Models, Tools and Techniques in Bioinformatics” jointly organized by Department of Mathematics and Bioinformatics at MANIT, Bhopal during May 19th to 29th, 2008.
9. Attended “An Advanced Training in Mathematics (ATML) in **Functional Analysis** for Lecturers” supported by the National Board for Higher Mathematics conducted by the Indian Statistical Institute, Bangalore, during June 2-13, 2008.
10. Participated in “Advanced Instructional School in **Complex Analysis**” supported by the National Board for Higher Mathematics jointly organized by Bhaskaracharya Pratishthana and Department of Mathematics, University of Pune, Pune during 14th June – 2nd July, 2008.
11. Attended and **Invited talk** on the topic entitled “Some basic important tools used in Approximation Theory” in the AICTE Sponsored Staff Development Programme on Applications of Mathematical Sciences and Soft Computing organized by Dept. of Applied Sciences & Humanities, S.V. National Institute of Technology, Surat, Surat during 8th-12th December, 2008.
12. Attended one week Faculty Induction Programme under Finishing School Programme, Initiated by MHRD, held during December 15-19, 2008 at SVNIT, Surat, Surat (Gujarat).
13. Attended the Staff Development Programme on “Recent Scientific and Technological Advances in Physical Sciences (RSTAPS’08-09)” organized by Physics Section, Dept. of Applied Sciences & Humanities, S.V. National Institute of Technology, Surat during 29th Dec. 2008 to 2nd Jan. 2009.
14. Attended one week short term training Programme on “Pedagogy and Research Methodology” held by the Dept. of Mechanical Engineering and Dept. of Chemical Engineering at S.V. National Institute of Technology, Surat during January 19-23, 2009.
15. Participated in the “Advanced Training School for Mathematics Lecturers (ATML) in **Measure Theory and Differential Geometry**” supported by the National Board for Higher Mathematics conducted in the Department of Mathematics, Indian Institute of Technology, Bombay, during June 8-27, 2009.
16. Participated in the one-week AICTE sponsored Short-Term Training Programme on “Sustainable Water and Waste Management Techniques” conducted by the Civil Engg. Dept. of SVNIT, Surat during 27-31 July, 2009.
17. Attended one week short term training programme on “Pedagogy and Research Methodology” jointly organized by the Deptt. of Mechanical Engineering & Dept. of Chemical Engineering at S.V. National Institute of Technology, Surat during August 3– 7, 2009.
18. Attended short term training programme on “Advanced in Condensed Matter Physics” organized by the Deptt. of Applied Physics, S.V. National Institute of Technology, Surat during 31st August – 4th September 2009.
19. Attended Staff Development Programme on “Non-Destructive Testing” organized by the Deptt. of Applied Physics, S.V. National Institute of Technology, Surat during 5th - 9th October 2009.

20. Participated in the one-week AICTE sponsored Short-Term Training Programme on “Engineering Drawing Using CAD” conducted by the Civil Engg. Dept. of SVNIT, Surat during 23 - 27 November, 2009.
21. Attended in the one-week AICTE sponsored Short-Term Training Programme on “Recent Trends in Material Sciences and Technology” organized by the Dept. of Applied Physics, SVNIT, Surat during 7th to 11th December, 2009.
22. Attended in the one-week AICTE sponsored Short-Term Training Programme on “**Mathematical Applications in Real World Problems**” organized by the Dept. of Applied Mathematics & Humanities, SVNIT, Surat during 14th to 18th December, 2009.
23. Attended Staff Development Programme on “Mathematical Modeling and Simulation” organized by the Deptt. of Applied Mathematics and Humanities, S.V. National Institute of Technology, Surat during December 21-25, 2009.
24. Participated in the AICTE sponsored Short Term Training Programme on “Advanced Applications of Finite Element Method” organized by Mechanical Engineering Department, S.V. National Institute of Technology, Surat during January 18-22, 2010.
25. Attended Staff Development Programme on “Advance Topics in Applied Physics” organized by the Deptt. of Applied Physics, S.V. National Institute of Technology, Surat during February 01-05, 2010.
26. Participated in the “**Advanced Training Programme in Functional Analysis-2009**” organized by the DST-Centre for Interdisciplinary Mathematical Sciences, Banaras Hindu University, Varanasi from 21st June – 3rd July 2010.
27. Participated in the Training Programme on Nonlinear Analysis with Applications to Optimization and Game Theory held in the Dept. of Mathematics, Aligarh Muslim University, Aligarh during November 16 – 19, 2011.

Extracurricular activities:

1. Member of Research Progress committee to evaluate research progress seminar report of Research scholars.
2. Member of the Organizing committee of AICTE Sponsored Staff Development Programme on “Application of Mathematical Sciences and Soft Computing” from December 8-12, 2008.
3. Member of the Organizing committee of AICTE Sponsored Staff Development Programme on “Recent Scientific and Technological Advances in Physical Sciences (RSTAPS’08-09)” from 29th Dec. 2008 to 2nd Jan. 2009.
4. Life member of Indian Mathematical Society (IMS) in December 27-30, 2007 at University of Pune, Pune, Life Membership No. M-07-091.
5. Life member of International Academy of Physical Sciences (IAPS) in February 20-22, 2010 at University of Allahabad, Allahabad, Life Membership No. N1076.