

RESUME'



Village: Meghanipurawa, Post: Chaubepur
Dist.: Kanpur (Nagar) – 209203 (U.P.), INDIA
Mobile No.: **09198893117**
E-mail: **vinodkumaryadav3@gmail.com**

Dr. VINOD KUMAR YADAV

**M.Sc., Ph.D.(Maths), NET (LS),
NET JRF, SRF CSIR, GATE(AIR-75)**

Qualities: *Simple, Honest, Truthful, Hardworking & 16 years teaching experience in Mathematics at University level.*

2. ACADEMIC QUALIFICATIONS:

EXAM	COLLEGE / BOARD	YEAR	SUBJECT	DIVISION	%
Ph.D.	VSSD PG College / CSJMU Kanpur	2014	Mathematics	Awarded on a Topic 'A Study of Harish- Chandra Algebras of Matrices'	
GATE	IIT, Guwahati	February 2010	Mathematics	All India Rank-75	
NET JRF	CSIR, New Delhi	December 2008	Mathematics	JRF CSIR	
NET	CSIR, New Delhi	June 2008	Mathematics	NET (LS) CSIR	
M. Sc.	VSSD PG College / CSJMU Kanpur	2006	Mathematics	SECOND	59.00 %
B.Sc.	PPN PG College / CSJMU Kanpur	2002	Physics, Chemistry, Mathematics	FIRST	64.59 %
12 th	BPMG Inter College / UP Board Allahabad	1999	Hindi, English, Physics, Chemistry, Maths	FIRST	72.00 %
10 th	BPMG Inter College / UP Board Allahabad	1997	Hindi, English, Biology, Social Science, Maths-2 Science-2	FIRST	68.50 %

3. AWARDS:

Best Teacher Award-2020 given by **Rama University Uttar Pradesh, Kanpur&Bioved Research Institute of Agriculture Technology and Sciences, Prayagraj** in the field of **Mathematics** on the occasion of ‘National Conference on Technical Approaches for Enhancement of Employment and Income in Agriculture’ on **02 – 04th March, 2020**.

4. RESEARCH PAPERS: **Total: 9**

1. **Vinod Kumar Yadav**, “*Harish-Chandra Formula for the Product of Dirac-Matrices*”, Journal Purvanchal Academy of Sciences, vol.14, pp.114-126 (2008). **ISSN 0972-3498**
2. **Vinod Kumar Yadav**, “*On a Tensor Quantity Involved in Harish-Chandra Formula for the Product of Dirac-Matrices*”, Journal International Academy of Physical Sciences, vol.13(4), pp.451-464 (2009). **ISSN 0974-9373**
3. **Vinod Kumar Yadav**, “*A Note on the form of Wave Equation used in Harish-Chandra’s paper ‘Motion of an Electron in the Field of a Magnetic Pole’*”, Ultra Scientist of Physical Sciences, vol.24 No.(1)A, pp.19-26 (2012). **ISSN 0970-9150** Impact Factor: 2.98
4. **Vinod Kumar Yadav**, “*A Note on the Tensor form of Characteristic Equation of 4×4 Matrix used in Harish-Chandra’s paper ‘Algebra of Dirac-Matrices’*”, American Journal of Mathematics and Sciences, vol.1, No.1, pp.201-208 (2012). **ISSN 2250-3102**
Impact Factor: 0.927
5. **Vinod Kumar Yadav**, “*A Note on the form of Jacobi Polynomial used in Harish-Chandra’s Paper ‘Motion of an Electron in the Field of a Magnetic Pole’*”, e-Journal of Science & Technology, vol.7, No.1, pp.55-63 (2012). **ISSN 1790-5613**
6. **Vinod Kumar Yadav**, “*Some Concepts used in the Study of Harish-Chandra Algebras of Matrices*”, International Journal of Engineering Science & Advanced Research, vol.1, No.1, pp.134-139 (March 2015). **ISSN 2395-0730**
7. **Vinod Kumar Yadav**, “*A Study of Relativistic Wave Equation of Electron*”, International Journal of Engineering Science & Advanced Research, vol.1, No.3, pp.232-234 (September 2015). **ISSN 2395-0730**
8. **Rati Bajpai & Vinod Kumar Yadav**, “*Mathematical modeling of the filtering granular*”, JUNI KHYAT JOURNAL, vol-10, Issue-6, No.11, pp.68-77 (June 2020). **ISSN 2278-4632**
UGC Care Group I, Impact Factor: 6.625
9. **Vinod Kumar Yadav**, “*A Study of Harish-Chandra: A Kanpur Born Distinguished Mathematician of the World*”, JUNI KHYAT JOURNAL, vol-10, Issue-7, No.4, pp.93-98 (July 2020). **ISSN 2278-4632** **UGC Care Group I**, Impact Factor: 6.625

5. LIST OF FDPs & WORKSHOPS: Total: 17

1. **Attended** Prof. P.N. Tandon Memorial Week-ends Lecture Series (Saturdays and Sundays) on “**Modelling and Computing**” organized by Department of Mathematics, HBTI, Kanpur (U.P.) during **Feb. 18 to March 18, 2012 (one month)**.
2. **Attended** **SIR S. Ramanujan Memorial Work-Shop/Lecture Series in “National Mathematical Year 2012” (sponsored by CSIR)** organized by Department of Mathematics, DAV College, Kanpur(U.P.) during **18th to 22nd December, 2012(one week)**.
3. **Attended** the Faculty Development Programme (FDP) organized by Department of Applied Sciences and Humanities (Faculty of Engineering and Technology), Rama University Uttar Pradesh, Kanpur (U.P.) on **25th January, 2016(one day)**.
4. **Attended** the International Workshop on “**Education Technology & Green ICT**” organized by Faculty of Engineering and Technology, Rama University Uttar Pradesh, Kanpur (U.P.) on **9th March, 2016 (one day)**.
5. **Attended** the Faculty Development Programme (FDP) on “**7 Habits of Highly Effective Teachers**” organized by Faculty of Commerce & Management, Rama University, Uttar Pradesh, Kanpur (U.P.) on **30th April, 2016 (one day)**.
6. **Attended** the **OneWeek** Faculty Development Programme (FDP) on “**Sustainable Management: New Dimensions for Enhanced Capabilities of Educators**” organized by Faculty of Commerce & Management, Rama University Uttar Pradesh, Kanpur (U.P.) from **17th July to 22nd July, 2017 (one week)**.
7. **Participated** in the **2 days Workshop** on “**Need and Relevance of Research Methodology**” organized by Faculty of Agriculture and Allied Industries, Rama University Uttar Pradesh, Kanpur (U.P.) during **1-2nd April, 2019 (two days)**.
8. **Attended** the online **OneWeek** Faculty Development Programme (FDP) on “**Application of different Tools and Techniques for Academic and Research Writing & Reporting**” organized by R. R. Institute of Modern Technology, Lucknow from **18 to 23 May, 2020 (one week)**.
9. **Attended** the **1 day online Virtual Workshop** on “**Modeling, Simulation and Implementation using MATLAB and Simulink (MSIMS-20)**” organized by R. R. Institute of Modern Technology, Lucknow from **30th May, 2020 (one day)**.
10. **Attended** the **OneWeek (seven days) online national Workshop** on “**Research Methodology**” organized by Magadh University, Bhod Gaya from **01 to 07 June, 2020 (one week)**.
11. **Attended** the online **OneWeek** Faculty Development Programme (FDP) on “**Udbhav: A lecture series to facilitate creative learning**” organized Magadh University, Bhod Gaya from **12 to 17 June, 2020 (one week)**.
12. **Attended** the online **OneWeek** Faculty Development Programme (FDP) on “**Pedagogy of Scientific Writing, Reporting and Scholarly Network**” organized by Feroze Gandhi Institute of Engineering and Technology, Raebareli from **19 to 23 June, 2020 (one week)**.

13. **Attended** the online **OneWeekInternational** Faculty Development Programme (FDP) on “**Post Pandemic Scenario Building using AI, ML and Optimization Techniques (PPSB-AIMLOT-2020)**” organized by KDK College of Engineering, Nagpur (Accredited by NBA & NAAC) from **10 to 14 July, 2020 (one week)**.
14. **Participated** in the online **2 days National Workshop** on “**Origin of Mathematics in Vedas and Its Different Dimensions**” organized by Gautam Buddha University and Siksha Sanskriti Utthan Nyas from **18 to 19th July, 2020 (two days)**.
15. **Attended** the online **OneWeek** Faculty Development Programme (FDP) on “**Emerging Trends, Issues and Challenges in Next-Generation Technology**” organized by Faculty of Engineering and Technology, Rama University Uttar Pradesh, Kanpur (U.P.) from **20 to 24th July, 2020 (one week)**.
16. **Attended** the online **OneWeek** Faculty Development Programme (FDP) on “**Artificial Intelligence**” organized by Bansal Institute of Engineering and Technology, Lucknow from **19 to 25th July, 2021 (one week)**.
17. **Attended** the online **OneWeek** Faculty Development Programme (FDP) on “**Amalgamation of Technical Pedagogy and Methodology for Effective Teaching-Learning Outcome**” organized by Faculty of Engineering and Technology, Rama University Uttar Pradesh, Kanpur (U.P.) from **03 to 07th August, 2021 (one week)**.

6. **LIST OF ATTENDED CONFERENCES & PAPER PRESENTED:** Total: 11

1. **Attended** the seminar and **Presented a paper** entitled ‘**On a Tensor Quantity Involved in Harish-Chandra Formula for the Product of Dirac-Matrices**’ in a two days (**Jan.31 and Feb.01, 2009**) national seminar in Mathematics on “**Mathematics & its Application to Industries**” organized by Department of Mathematics D.B.S. College, Kanpur (U.P.).
2. **Attended** the National conference in Mathematics on “**National Conference on Mathematical Modelling and Computer Simulation**” organized by Bhabha Group of Institutions, Kanpur (U.P.) during **July 7-9th, 2011**.
3. **Attended** **Regional Rural Science Congress** on “**Innovations in Science and Technology for Inclusive Development**” organized by Indian Science Congress Association, Kanpur Chapter (U.P.) during **23rd and 24th November, 2013**.
4. **Attended** the conference and **Presented a paper** entitled “**A Study of Relativistic Wave Equation of Electron**” in national conference on “**Trends in Signal Processing & Computing**” organized by Faculty of Engineering and Technology, Rama University Uttar Pradesh, Kanpur during **19-20th September, 2015**.
5. **Attended** the National conference and **Presented a paper** entitled “**A Note on the form of Indicial Equation used in Harish-Chandra’s Paper ‘Motion of an Electron in the Field of a Magnetic Pole’**” in national conference on “**Current Advances in Science & Technology (CAST 2016)**” organized by Department of Applied Sciences and Humanities (Faculty of Engineering and Technology), Rama University Uttar Pradesh, Kanpur on **19th March, 2016**.
6. **Attended** the **International** conference and **Presented a paper** entitled “**A Study of Harish-Chandra Algebras of Dirac and Meson Matrices**” in International conference on

“**Engineering Science & Advance Research (ESAR-18)**” organized by Faculty of Engineering and Technology, Rama University Uttar Pradesh, Kanpur during **23-24th February, 2018**.

7. **Attended** the **2ndInternational conference** and **Presented a paper** entitled “**A note on the form of Harish-Chandra Formula for the product of Dirac matrices**” in International conference on “**Engineering Science & Advance Research (ESAR-19)**” organized by Faculty of Engineering and Technology, Rama University Uttar Pradesh, Kanpur (U.P.) during **13-15th March, 2019**.
8. **Attended** the **International conference** and **Presented a paper** entitled “**A note on Representation of Numbers, Function & Transformation**” in International conference on “**Artificial Intelligence & Robotics in Life Sciences (ICAR2020)**” organized by Faculty of Engineering and Technology, Rama University Uttar Pradesh, Kanpur during **29-30th November, 2019**.
9. **Attended** the National conference in Mathematics on “**National Conference on Mathematical Structures and Models in Science**” Under Aegis of Silver Jubilee Celebration of International Academy of Physical Sciences (IAPS) organized by Department of Mathematics, Nehru Gram Bharati University, Prayagraj (U.P.) during **23-24th November, 2019**.
10. **Attended** the **International conference** and **Presented a paper** entitled “**A note on Harish-Chandra Formula**” in International conference on “**Advanced Nanomaterials (ICAN2020)**” organized by Faculty of Engineering and Technology, Rama University Uttar Pradesh, Kanpur during **27-29th February, 2020**.
11. **Attended** the online **International conference** in Mathematics entitled “**Recent Advances in Mathematics & Covid-19**” organized by Department of Mathematics and Statistics & IQAC, St. Joseph’s College for Women(A), Visakhapatnam, Andhra Pradesh during **15-16th June, 2020**.

12. Total Attended One day Webinars during lockdown & post lockdown 2020: 17

7. COMPUTER PROFICIENCY:

1. Six month computer training in private institute.
2. Knowledge of Internet & M.S. Office.
3. Basic knowledge of **C-programming**.

8. TEACHING EXPERIENCE:

Total: 16 years

1. Teaching experience in Mathematics U.G. Evening classes in **V.S.S.D.P.G. College, Kanpur (NAAC ‘A’ Grade College)** as a **Part time lecturer** in session **2006-07, 2007-08, 2008-09 and 2013-2014**.
2. Teaching experience in Mathematics B.Tech. classes in **Dr.B.R.A.E.C.I.T., Bijnor (at HBTU Campus, Kanpur)** as a **Guest Faculty** in session **2014-2015 (One & half month)**.

3. **Six years and two & half months** teaching experience in Mathematics, B.Tech., M.Tech., BSc(BT), BSc(AG), Polytechnic & BPharma classes in **Rama University Uttar Pradesh, Kanpur** (UGC recognized Private University) as a **Assistant Professor** since **16-09-2014 to 30-11-2020**.
4. Teaching Experience in **Department of Mathematics, UIET, CSJM University, Kanpur** in **BTech, MSc(Maths), MSc(Life Science)** as a **Guest Lecturer** since **04-01-2021 to 30-09-2021 (Nine months)**.

9. FELLOWSHIP & RESEARCH EXPERIENCE:

Total: 4 years

1. V.S.S.D. College fellowship (scholarship) in M.Sc. (Final) in session 2005-06.
2. Junior Research Fellowship (**NET-JRF**) of **CSIR**, 1st July 2009 - 30th June 2011.
3. Senior Research Fellowship (**NET-SRF**) of **CSIR**, 1st July 2011 – 31st March 2013.

10. MEMBERSHIP:

Life member of **Journal International Academy of Physical Sciences**.

11. OTHER EXPERIENCES:

1. BTech, BSc & Diploma **Class Coordinator&Mentor** in FET, Rama University, Kanpur in 2015-16, 2016-17, 2017-18, 2018-19 & 2019-20.
2. **Worked** as “**Active Member of Organizing Committee**” and “**Sponsorship Committee**” in national conference on “**Trends in Signal Processing & Computing (TSPC-15)**” organized by Faculty of Engineering and Technology, Rama University Uttar Pradesh, Kanpur during **19-20th September, 2015**.
3. **Worked** as “**Active Member of Organizing Committee**” and “**Sponsorship Committee**” in 1st National conference on “**Current Advances in Science & Technology (CAST-2016)**” organized by Department of Applied Sciences and Humanities (Faculty of Engineering and Technology), Rama University, Uttar Pradesh, Kanpur on **19th March, 2016**.
4. **Worked** as “**Active Member of Organizing Committee**” and “**Sponsorship Committee**” in 1st International conference on “**Engineering Science & Advance Research (ESAR-18)**” organized by Faculty of Engineering and Technology, Rama University Uttar Pradesh, Kanpur (U.P.) during **23-24th February, 2018**.
5. **Worked** as “**Active Member of Organizing Committee**” and “**Discipline Committee**” in 2nd International conference on “**Engineering Science & Advance Research (ESAR-19)**” organized by Faculty of Engineering and Technology, Rama University Uttar Pradesh, Kanpur during **13-15th March, 2019**.
6. **Supervisor** of one PhD research scholar in **Mathematics** since **2019** session in Rama University, Kanpur.
7. **Internal Member** of **BOS** (Board of Studies) for syllabus modification in Rama University, Kanpur.

8. Worked as “Active Member of Discipline Committee” in International conference on “Artificial Intelligence & Robotics in Life Sciences (ICAR2020)” organized by Faculty of Engineering and Technology, Rama University Uttar Pradesh, Kanpur during **29-30th November, 2019**.
9. Worked as “Active Member of Organizing Committee” and “Discipline Committee” in International conference on “Advanced Nanomaterials (ICAN2020)” organized by Faculty of Engineering and Technology, Rama University Uttar Pradesh, Kanpur during **27-29th February, 2020**.
10. Worked as “Active Member of Organizing Committee” in the online **1 week** Faculty Development Programme (FDP) on “Emerging Trends, Issues and Challenges in Next-Generation Technology” organized by Faculty of Engineering and Technology, Rama University Uttar Pradesh, Kanpur (U.P.) from **20 to 24th July, 2020**.

12. PERSONAL PROFILE:

Name: Dr. Vinod Kumar Yadav
Date of birth: 08-11-1983
Marital status: Married

Father’s Name: Shri Ram Gopal Yadav
Brother & Sister One Younger Brother(service in Indian Air Force on the rank of Sergeant) & no sister

Permanent Address: Village- Meghanipurawa, Post- Chaubepur Dist.- Kanpur (Nagar)
Pin-209203 (U.P.)

Family Occupation: Farming
Nationality: Indian
Cast: Yadav (OBC)
Language Known: Hindi, English
Mobile No.: 09198893117
E-mail: vinodkumaryadav3@gmail.com
Qualities: Simple, Honest, Truthful, Hardworking
Hobbies: Cooking and Studying Mathematics

Date

(Dr. Vinod Kumar Yadav)