

CV- Dr. Vijay Kumar

1. Dr. Vijay Kumar

Associate Professor
Head, PG Department of Mathematics,
College of Commerce, Arts and Science Patna.
(Patliputra University Patna)

2. Father's Name :- Late Madan Mohan Singh

3. Date of birth :- 02 July 1966

4. Designation :- Associate Professor

5. Date of Joining :- 09.08.2003

6. Subject :- Mathematics

7. Research Papers-Published 16 Research Papers in reputed national and international journals.

8. Field of Specialization- Topology and Functional Analysis.

9. Innovative Work-Secretary of Bihar Mathematical Society since 2018

We are serving a role, responsible for planning, and executing various events and activities related to the promotion of mathematical education and research with the support of Education Department and Bihar Council on Science and Technology, Govt. of Bihar. We also organized several International Conferences, National Conferences, Seminars, Workshop, Olympiads as Organising Secretary. We are also conducting an Instructional School for Mathematical Sciences (ISMS) training Programme at IIT Patna funded by Education Dept. Govt. of Bihar.

10. Qualifications:-

Sl. No.	Name of Examination	Board/Univ.	Division	Year
1.	Matric	BSEB Patna	First	1983
2.	Intermediate	BSEB Patna	First	1985
3.	Graduation(H)	M.U Bodh Gaya	First	1989
4.	P.G (M.Sc.)	M.U Bodh Gaya	First	1993
5.	Ph.D.	M.U Bodh Gaya	Awarded	2003
	Bihar Eligibility Test	Bihar State University Service Commission, Patna	Awarded	1998
6.	Bhaskar in Music	Prachin Kala Kendra Chandigarh	Awarded	2006

11. Teaching Experience:-

21 years

- I. Worked as a Assistant Professor, Dept. of Mathematics, S.S. College, Jehanabad (M.U., Bodh-Gaya) from 09.08.2003 to 31.08.2005.
- II. Worked as a Assistant Professor, Dept. of Mathematics, College of Commerce, Arts & Science, Patna (M.U. Bodh-Gaya) from 01.09.2005 to 13.08.2012.

III. Working as a Associate Professor, Dept. of Mathematics, College of Commerce, Arts & Science, Patna (M.U. Bodh-Gaya) from 13.08.2017 to till now.

Sl.No.	Name of Institution	Post Held	Period from...to---
1	S. S. College Jehanbad	Lecturer	09.03.2003 to31.08.2005
2	College of Commerce, Arts and Science Patna	Lecturer	01.09.2005 to 09.08.2007
3	College of Commerce, Arts and Science Patna	Senior Lecturer	09.08.2007 to 09.08.2012
4	College of Commerce, Arts and Science Patna	Reader	09.08.2012 to 09.08.2015
5	College of Commerce, Arts and Science Patna	Asso. Professor	09.08.2015 to Till

Registrar M.U Bodh Gaya vide letter no: 536/GIA dated-01.10.2012, Grant of Extra Ordinary Leave without pay with lien from 14.08.2012 to 13.08.2017

12. Teaching experience

(a) Under Graduate/Hons. 02 Years(S.S College Jehanabad)

(b) Post-Graduate – 21 Years (College of Commerce, Arts and Science Patna)

(c) LIEN-Registrar M.U Bodh Gaya vide letter no: 536/GIA dated-01.10.2012, Grant of Extra Ordinary Leave without pay with lien from 14.08.2012 to 13.08.2017. In the light of M.U Bodh Gaya vide memo no: 536/GIA dated-01.10.2012, Grant of Extra Ordinary Leave without pay with lien from 14.08.2012 to 13.08.2017 and in presence to Bihar Govt. Education Dept. memo no-1774 dated 20.07.2012, the principal College of Commerce, Arts and Science Patna, Reference no-257/12/C dated 13.08.2012 relieved with the effect from 13.08.2012 to join Bihar Education Service Class Two (Admin.Branch in Education Dept. Govt. of Bihar). In the light of M.U Bodh Gaya memo no-269/06/307/GIA date 08.08.2017 Education Dept. Govt. of Bihar vide letter no 1376 dated 12.08.2017 and join in the college and in consequent of principal college of commerce, arts and science Patna vide letter GEN/382/17 dated 16.08.2017 with effect from 13.08.2017 in the college.

13. List out best research publications/books

- (i) Book on AIEEE-by Good Book Publication, Patna
- (ii) Book on BCECE-by Good Book Publication, Patna
- (iii) Book on JCECE-by Good Book Publication, Patna
- (iv) Model Set for XI (Maths) 2010 B.S.E.B, Patna
- (iv) Model Set for XII (Maths) 2010 B.S.E.B, Patna

14. Research papers publications

Sl. No.	Name of Journal	Topic	Whether UGC Approved/NA	Volume No. /Date/Year
1.	Aryabhatta Research Journal of Physical Science, Ara (Bihar)	A study of dual distinguished space and dual Boronological Space	ISSN-0972-2432	Vol.10, Nos. 1-2 (2007).
2.	Aryabhatta Research Journal of Physical Science, Ara (Bihar)	A study of totally and Quasi-Nuclearly	ISSN-0972-2432	Vol.11, Nos. 1-2 (2008).
3.	Proceeding of the Golden Jubilee	Some Contribution to the duality theory of Locally Bounded Spaces.	ISSN No-0972-8716	2008

	Conference of the Bihar Mathematical Society, Muzaffarpur (Bihar).			
4.	Journal of Advances and Scholarly in allied Education	Calculus of Infinitesimals and Ultra Real numbers	Peer reviewed & Ref Journal and approved Indexed by UGC 3.46(2018)	16/Issue 04/March/2019
5.	Research Review Journal	Differential Equation and Mathematical Module of Population	UGC Listed Journal 5.164 (SJIF)	16/Issue 04/April/2019
6.	Research Review Journal	Some Contribution to the Duality Theory of Barreled Nuclear Locally Convex Space	UGC Approved Journal 5.164 (SJIF)	16/Issue 04/May/2019
7	Journal of Emerging technology and Innovative Research	Functional analysis in system engineering methodology and applications	ISSN 2349-5162 UGC Peer reviewed referred Journal 7.95	volume 2, Issue 10, October 2015
8	International Journal of advance research in IT and Engineering	Review of the Exponential-Integral and Associated special function	ISSN 2278 -6244 Double blind Peer reviewed referred open access International Journal UGC journal number 82940 SJIF- 5.418	Volume 4, Issue 12 December 2015
9	Journal of Engineering Technology and Innovative Research	Infra Soft Topological Spaces	ISSN 2349-5162/UGC Peer reviewed referred Journal 7.95	volume 3 Issue 3, March 2016
10	Eurasia Research and Development Association	Operation Research- Contemporary Role in Managerial Decision making	ISSN(O) 2249 – 3905 ISSN(P) 234 9-6525 Double Blinded Reviewed Referred open access and UGC approved international journal no- 48990 Scopus ID- 2B49398203EC8AF 6.5737	Volume 6, Issue - 08 August 2016
11	Journal of Engineering	An Analysis methods that are used to solve system of linear equations	UGC Approved Journal No-49194 ISSN-2348-9766	Volume 4 Issue 2, February 2017

	Technology and Innovative Research			
12	Journal of Engineering Technology and Innovative Research	Application of multiple attribute decision making model to select suppliers in the context of service oriented	UGC Peer Reviewed Referred Journal ISSN-2349-5162 7.95	Volume 4 Issue 7, July 2017
13	International Journal of Mathematics, Engineering and IT	A study of some applications of Dual Quasi-Nuclear and Dual Compact mappings	A monthly Double Blind Peer Reviewed Referred Open Access International e-Journal ISSN-2349-0322 Impact Factor-5.489	Volume 4, Issue 10, October 2017
14	International Journal of Engineering, Science and Mathematics.	A Study of Mathematical formulation of various notions of fields in Modern Algebra	UGC Approved Journal 46710 6.765 ISSN-2320-0294	Volume 7 Issue 6, June 2018
15	Journal of Advances and Scholarly in allied Education	A Machine Learning Methods for Forecast Prediction on Social Media users	Peer reviewed & Ref journal and approved indexed by UGC ISSN-2230-7540 3.46	Volume 20, Issue 04, October 2023
16	Journal of Emerging Technology and Innovative Research	Automated Detection of Hate Speech and Sentiment Analysis on Twitter using Machine Learning Techniques.	ISSN 2349-5162 UGC Peer reviewed referred Journal Impact Factor-7.95	volume 11, Issue 02, February 2024

15.Name of the Research Scholar guided for Ph.D Degree

Sl. No.	Name of Research Scholar	Topic of Research	Date & Year of Thesis Submission	Date & Year of M.Phil/ Ph.D./D.Litt/D .Sc Notification
1	M.P.Yadav	Certain Problems on Material Distribution in General Theory of relativity.	Awarded	Awarded
2	Sadanand Prasad Deo	Some contribution in Material Distribution in Einstein cartan theory.	Awarded	Awarded

3	Smt. Renu Kumari	A comparative study of effect of social computing on youth using machine learning, Bihar	Registered	Not Awarded
4	Sri Arvind Kumar Pandey		Registered	Not Awarded

16. Life Membership of learned society with year

- Indian Science Congress Association
- Indian Mathematical Society
- Bihar Mathematical Society &
- Purvanchal Academic of Sciences, Jaunpur
- Bihar Mathematical Society-Convener Cum Executive Joint Secretary

17. Seminars, Conferences attended:-

(i) National Conference on History of Mathematics and Recent Development :- Patna University, Patna from 23-25 March 2006.

(ii) सामाजिक संरचना में अस्पृश्यता] लिंगभेद] जातिवाद और साम्प्रदायिकता Kishan College, Sohsarai, Nalanda, 31.03.2006 (sponsored by Khadi Gramodyog, Govt. India.)

(iii) New world Economic order and development of Backward Region (Bihar Context) : – College of Commerce, Arts & Science, Patna (U.G.C. sponsored National Seminar on 10-11- Nov., 2006

(iv) 33वाँ बिहार दर्शन परिषद्]- किसान कॉलेज] सोहसराय, नालन्दा] 24-25 नवंबर, 2007

(v) Golden Jubilee Conference of Bihar Mathematical Society :- B.R.A. Bihar University, Muzaffarpur – 29–30 March 2008.

(vi) A Global Conference on Science and Technology: – 2nd Bihar Science Conference 2009, B Brain development Society–College of Commerce, Arts & Science, Patna 30 Jan – 1 Feb. 2009.

(vii) National Seminar on effective learning and teaching in Mathematics and its application (Sponsored by UGC):– Kisan College, Sohsarai (Nalanda)– 20–21 Feb. 2010.

(viii) National Seminar on Recent Trends in Pure and applied Mathematics (Sponsored by UGC):– PG. Dept of Mathematics TMBU, Bhagalpur– 14–15 Dec. 2019.

(ix) Seminar of Bihar Mathematical Society, Modern perspectives in Mathematics, 30.05.2018 College of Commerce Arts & Science Patna

(x) Seminar of Bihar Mathematical Society, Ultra Real Number, 22.09.2018 College of Commerce Arts & Science Patna

(xi) Seminar of Bihar Mathematical Society, Role of Mathematics for School going Student, Oct.2018 College of Commerce Arts & Science Patna

(x) Seminar of Bihar Mathematical Society, Contribution of Ramanujan in Mathematics, 22.11.2018, C.N College Sahebganj, Muzaffarpur

(xi) Seminar of Bihar Mathematical Society, Number System, date-17.03.2019, M.R.J.D. College Begusarai

18. Book review, innovation in teaching method

1. BMS at a Glance is reviewed.
2. Confidential Review work of the assignment Tata Consultancy Service as SME (Subject Matter Experts)
3. Review of work order of the assignment of Radial/C/Mathematics/VK/1

Contribution to teaching/academic environment/institutional corporate life

Office memo no-Gen/481/2019 dated 14.12.2019 appoint as Coordinator Dept of MCA College of Commerce, Arts and Science Patna

Extension and field outreach activities:-

Organising Secretary of the national conference on "The Role of Mathematics of Science and Technology" college of commerce, Arts & Science Patna successfully in 07-08 July 2012 under the banner of Bihar Mathematical Society.

Organising Secretary for National Conference in Mathematical Sciences 2022 in Collaboration with Bihar Mathematical Society and Bihar Council on Science and Technology, Govt. of Bihar.

Organising Secretary for International Conference on Emerging Trends in Mathematical Sciences 2023 in Collaboration with Bihar Mathematical Society and Nalanda Open University, Nalanda.

We are conducting Talent Search Test in Mathematical Sciences from 1993 under the banner of Bihar Mathematical Society with the support of Education Dept. of Bihar and Sciences and Technology, Dept. Govt. of Bihar. A training programme ISMS is organized for the winners of TSTMS, at IIT Patna.

19. Self-Appraisal Report

Worked as a District Programme officer (DPO) of Bihar Education Service Education, Govt. of Bihar from 14.08.2012 to 12.08.2017 through 45th combined competitive examination conducted by BPSC, Patna (above period is under LIEN approved from M. U. Bodh Gaya).

- I. Worked as District Programme officer as Establishment, Mid-day Meal, Planning and account, RMSA
- II. (Rashtriya Madhyamik Siksha Abhiyan), saksharta programme, Madhyamik siksha, sarva siksha Abhiyan (SSA), Education Dept, Govt. of Bihar
- III. Nodal officer as Bihar Student credit card yojana (BSCC) Under, Chief Minister 7 Nischay Yojna
- IV. Nodal officer as Training Dept. in election Loksabha & vidhansabha Begusarai
- V. Management training course from Chanakya Management studies centre Patna
- VI. Working as Convener Cum Executive Joint Secretary, Bihar Mathematical Society.
- VII. Director, SCERT Patna Vide letter no-100 dated 08.11.2019 deputed for the assistance for the work of SCERT, Govt. of Bihar.
- VIII. Resource person of innovation in Mathematics as Bhaskar Module for Secondary teachers in SCERT Patna
- IX. Office memo no-Gen/481/2019 dated 14.12.2019 appoint as Coordinator Dept of MCA College of Commerce, Arts and Science Patna.

20. Orientation Course: 42nd Orientation Course (Sponsored by UGC) :- Academic Staff College, Patna University, Patna from 25th Feb. 2005 to 24th March 05.

21. Refresher Course :

- (i) 3rd Refresher Course in Mathematics (Sponsored by U.G.C.) :- Academic Staff College, Patna University, Patna from 27th Jan. 2005 to 16th Feb. 2007.
- (ii) 3rd Refresher Course in I.T. & e-learning (Sponsored by U.G.C.) :- Academic Staff College, Patna University, Patna from 13th Oct. 2008 to 2nd Nov. 2008.
- (iii) 4th Refresher Course in Mathematics (Sponsored by U.G.C.) :- Academic Staff College, Patna University, Patna from 10th March 2010 to 30th March 2010.

22. Other information, if any

- I. Secretary BSEB letter no- D-12 dated 21.02.2012, Member of Syllabus committee of BSEB Patna.

II.College office letter no-Gen/241/2019 date 21.05.2019, Coordinator for the development of the office Management committee of the college.

III. College office letter no- Gen/305/2019 date 07.07.2019, Member as Student support and progression committee for NAAC-Accreditation of the college.

IV. Joint Election In-charge of Student Union of the college.

I certify that the information given above is true to the best of my knowledge and belief.

Signature of the applicant