National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

Curriculum Vitae

Brief Profile: 1-2 paragraphs (not exceeding 500 words)

I am a passionate mathematician working in number theory and automorphic forms, areas that lie at the heart of modern mathematical research. I earned my PhD from the Harish-Chandra Research Institute (HRI), a premier institute in India known for its strength in number theoretic research, where I developed a strong foundation in rigorous mathematical thinking and advanced research techniques. My work is driven by a deep curiosity about the structures underlying arithmetic and symmetry, and I am committed to contributing meaningfully to these rich and evolving fields.

Following my PhD, I pursued postdoctoral research at the Beijing Institute of Mathematical Sciences and Applications (BIMSA), a world-class research facility under the directorship of Fields Medalist Shing-Tung Yau. This experience allowed me to broaden my research perspective and engage with leading mathematicians from around the globe. I actively collaborate with international researchers, fostering cross-border academic exchange and contributing to the global mathematical community.

1. Name: Krishnarjun Krishnamoorthy
2. Designation: Assistant Professor (II)
3. Office Address: Mathematics Department,
   Lyceum
4. Telephone (Direct) (Optional):

   Telephone : Extn (Optional):

   Mobile (Optional):
5. Email (Primary):krishnarjun@nitt.edu Email (Secondary) :
6. Field(s) of Specialization: Number theory

7. Employment Profile

Job Title	Employer	From	To
Postdoctoral researcher	BIMSA	01/10/2023	31/08/2025
Assistant Professor	SRM AP	03/11/2025	24/12/2025

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
SSLC	CBSE	2011	A+	English, Mathematics, Physics, Chemistry, Social Science, Sanskrit
12th	CBSE	2013	Distinction	English, Mathematics, Physics, Chemistry, Computer Science
Integrated B.Sc. - M.Sc. Mathematics	Central University of Tamil Nadu	2018	First Class with Distinction	Mathematics, with a minor in Physics, Chemistry and Life Sciences
Doctor of Philosphy	Homi Bhabha National Institute, (Harish-Chandra Research Institute)	2023		On the analytic properties of certain Dirichlet series

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)

13. Details of Academic Work
(i) Curriculum Development
(ii) Courses taught at Postgraduate and Undergraduate levels
(iii) Projects guided at Postgraduate level
(iv) Other contribution(s)

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Modified trace formulas and subconvexity for Rankin-Selberg L functions	Beijing Natural Science Foundation	01/07/2024	30/06/2025	Completed

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue

18. Invited Talks delivered

Topic	Date	Inviting Organization

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Hong Kong	1 week	Conference
Germany	1 week	Conference
Hungary	1 week	Conference
USA	2 weeks	Conference

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Krishnarjun Krishnamoorthy	On variants of Chowla's conjecture	Proceedings of the American Mathematical Society	In press	In press	2026	0.813
Ben Kane, Krishnarjun Krishnamoorthy, Yuk-Kam Lau	On a conjecture of prime detecting quasi-modular forms	Research in the Mathematical Sciences	12	Online	2025	1.4
Kalyan Chakraborty, Krishnarjun Krishnamoorthy	On symmetries of base n expansion of 1/m : the class number connection	Pacific Journal of Mathematics	319(1)	39-53	2022	0.8
Krishnarjun Krishnamoorthy	On moments of non-normal number fields - II	Monatshefte fur Mathematik	206(3)	583-596	2025	0.8
Rishabh Agnihothri, Kalyan Chakraborty, Krishnarjun Krishnamoorthy	Sign changes in restricted coefficients of Hilbert modular forms	Ramanujan Journal	59(4)	1225-1243	2022	0.7
Kalyan Chakraborty, Krishnarjun Krishnamoorthy	On moments of non-normal number fields	Journal of Number theory	238	183-196	2022	0.7
Krishnarjun Krishnamoorthy	The generalized divisor problem for newforms of higher level	Czechoslovak Mathematical Journal	72(1)	259-263	2023	0.5

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number