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

Curriculum Vitae

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

1. Name: Nishant
2. Designation: Assistant Professor
3. Office Address: 217, Mathematics Department, NIT Trichy
4. Telephone (Direct) (Optional):

   Telephone : Extn (Optional):

   Mobile (Optional):
5. Email (Primary): Email (Secondary) :
6. Field(s) of Specialization: Algebra and Group Theory

7. Employment Profile

Job Title	Employer	From	To
Assistant Professor	NIT Trichy	22-12-2025	Present
Institute Postdoctoral Fellow	IISER Mohali	20-02-2023	24-10-2024
NBHM Postdoctoral Fellow	ISI Delhi	25-10-2024	15-12-2025

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

Examination	Board / University	Year	Division/ Grade	Subjects
10^{th}	C.B.S.E.	2009	First	Hindi, English, Math, Science, IT
12^{th}	C.B.S.E.	2011	First	Non-Medical
B.Sc.	M.D. University, Rohtak	2014	First	Mathematics Honours

M.Sc.	IIT Madras	2016	First	Pure Mathematics
PhD	Harish-Chandra Research Institute, Prayagraj	2023	NA	Group Theory

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

Courses Taught at Postgraduate and Undergraduate Levels:

1. **MAIR21: Complex Analysis and Differential Equations** *(First-year B.Tech., Production and Chemical Engineering; January–April 2026)*
2. **MA707: Abstract Algebra** *(M.Sc. First Year)*

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ 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

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Nishant Rathee and Manoj Kumar Yadav	Cohomology, extensions and automorphisms of skew braces,	Journal of Pure and applied algebra	228 (2)	107462	2024	
Nishnat Rathee	Extensions and Well's type exact sequence of skew braces	J. algebra and its applications	23(1)	245009	2024	
Apurba Das and Nishant Rathee	Extensions and automorphisms of Rota-Baxter groups	Journal of Algebra	636	626-665	2023	
Nishant Rathee and Mahender Singh	Relative Rota-Baxter groups and skew left braces	Forum Mathematicum	37(3)	919-935	2024	
Pargya Belwal, Nishant Rathee and Mahender Singh	Schur multiplier and Schur covers of relative Rota-Baxter groups	Journal of Algebra	657	327-362	2024	
Pargya Belwal and Nishant Rathee	A Wells-like exact sequence for abelian extensions of relative Rota-Baxter groups	Homology , Homotopy and applications	27(1)	251-273	2024	
Nishant Rathee	Rota-Baxter operators and skew left brace structures over Heisenberg group	Int. J. Algebra Comput.	34(8)	1191-1207	2025	
Pargya Belwal, Nishant Rathee and Mahender Singh	Cohomology and extensions of relative Rota-Baxter groups	Journal of Geometry and Physics	207	105353	2025	
Apurba Das and Nishant Rathee	A unified extension theory of Rota-Baxter algebras, dendriform algebras, and a fundamental sequence of Wells	Publicationes Mathematicae Debrecen	In press	--	2026	
Nishant Rathee and ayush Udeep	Representations of skew braces of order pq	Asian-European Journal of Mathematics	In Press	--	2026	

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

21. Publications

(A) Refereed Research Journals:

(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