

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

## Curriculum Vitae

### Brief Profile:

Dr. Arvind Kumar completed his Bachelor's degree in Architecture from the National Institute of Technology, Jaipur, followed by a Master's and Ph.D. in Energy and Infrastructure from the Indian Institute of Technology, Roorkee. With over ten years of industry experience as a licensed architect and planner, he brings practical insights into sustainable urban development, particularly in energy systems and infrastructure development. His research and teaching interests encompass urban planning, system dynamics modeling, and energy-efficient infrastructure, equipping him with the expertise to serve as a speaker, reviewer, researcher, and project investigator. Dr. Kumar has published extensively in refereed journals and has received accolades for his work, including a Best Paper Presentation Award at an international conference in Dubai. He is actively engaged in academic and administrative activities within the institute, guiding postgraduate projects and fostering a rich learning environment. His commitment to enhancing curriculum and student engagement makes him a vital resource for students and institutional collaborations in the fields of architecture and planning.



1. Name: Arvind Kumar
2. Designation: Assistant Professor
3. Office Address: 215, Architecture Department
4. Telephone (Direct)  
Telephone: Extn:  
Mobile : 9022112208
5. Email (Primary): arvind@nitt.edu Email (Secondary):
6. Field(s) of Specialization: Urban Planning, Energy and infrastructure

### 7. Employment Profile

Job Title	Employer	From	To
Project Architect	Private	May 2010	July 2013

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

Examination	Board / University	Year	Division/ Grade	Subjects
PhD	IIT- Roorkee	2024	First	Energy and Infrastructure
Masters	IIT- Roorkee	2015	First	Energy and Infrastructure
Bachelors	NIT-Jaipur	2010	First	Architecture

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

### 9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
MIS Coordinator	Architecture Department	May 2024	Present
Assistant Warden	Dean of Student Welfare	Aug 2015	June 2020
Student Senator	Student Council	Aug 2015	June 2020
Student Coordinator	Dean of Wellness	Aug 2015	June 2020

### 10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

### 11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2020	Best Paper Presentation Award	ICCUCP-2020, Dubai

### 12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
2015	MHRD Doctoral Grant	MHRD	July 2015	June 2020
2015	MHRD Masters Grant	MHRD	July 2013	June 2015

### 13. Details of Academic Work

- (i) Curriculum Development
- (ii) Courses taught at Postgraduate and Undergraduate levels  
  - UG- Design, Building Construction and Materials,
  - PG- Urban Infrastructure,
- (iii) Projects guided at the Postgraduate level
- (iv) Other contribution(s)

### 14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Enhancement of the Gram Panchayat Spatial Development Plans (GPSDP)- Gundur and Navalurkuttapattu, TN	Ministry Of Panchayati Raj, India	May 2024	Present	Ongoing

### 15. Number of PhDs guided

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

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

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)	Event Organized by	Venue
May 09-14, 2024	The Faculty Development Program –NEP Orientation	National	Participant	TLC, IIT Chennai	Chennai, TN
July 15-19, 2024	STTP-Modelling and Simulation of Urban Systems	National	Speaker	NIT Nagpur	Nagpur, MH
Aug 9-11TH, 2021	Foundation Workshop on Data Science	National	Participant	Odin School	Hyderabad, Telangana
Sept. 24-28TH, 2019	Short-term training program on 'Sustainable Habitat'	National	Participant	NIT Nagpur	Nagpur, MH
Jan.30TH - Feb.3RD, 2019	Training program on "Provisions of Energy Conservation Building Code (ECBC)	National	Participant	Sir J. J. College of Architecture	Mumbai, MH
Jan.10-18TH, 2018	Annual School on Grassroots Innovations	National	Participant	NIAS- IISc Campus	Bengaluru, KN
July 3-8TH, 2008	Earthquake Resistant Practices for Students of Architecture	National	Participant	NICEE	Kanpur, UP

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
Application of System Dynamics Technique in Planning.	Dec.9TH, 2022	Atal Bihari Vajpayee Institute of Good Governance and Policy Analysis (AiGGPA-Bhopal)

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

---

### 19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Architect License	Council of Architecture, New Delhi	CA2011/51147
Associate Member	ITPI, New Delhi	2011-247
Associate Member	IIA, Mumbai	A29021

### 20. Academic Foreign Visits

Country	Duration of Visit	Programme

### 21. Publications

#### (A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Sharma,SN., Kumar; A. Kavita, D.,	The Precursors of Transit- oriented Development	Economic and Political Weekly	Vol LIX no. 14	16-20	2024	
Kumar, A., Devadas, V	Analysis of Energy Consumption Based on Household Appliances in Jodhpur, India	Journal of World Academy of Science, Engineering, and Technology; Urban and Civil Engineering. ISSN:13076892	15(2), 2021	126-128	2020	
Kumar, A., Devadas, V	Solar Energy Generation- Based Urban Development: A Case of Jodhpur City		15(3), 2021	152-154	2020	

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

**(B) Conferences/Workshops/Symposia Proceedings**

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Sharma,SN., Kumar;A. Than, K., Kavita, D.,	What are the Precursors of Transit-Oriented Development	CTSEM- 2023		Public transport and ToD	NIT Warangal	2023
Kumar, A., Devadas, V	Solar Energy Generation-Based Urban Development: A Case of Jodhpur City	ICCUP- 2020		Creative Urbanism	Dubai	2020
	Analysis of Energy Consumption Based on Household Appliances in Jodhpur, India					2020
Kumar, A., Devadas, V	Cloud-Based Solar Energy– GIS System in India	Sustainable Future Cities - Volume I		Future Cities	IIT Roorkee	2019
	Roof-Top based Solar Energy Management in Jodhpur City, India	Sustainable Future Cities - Volume II				2019

**(C) Books & Monographs**

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
Dr. Arvind Kumar	Book Chapter Basics of Research Methodology- Writing and Publication: Qualitative: Data Analysis,	Edupedia Publications Pvt Ltd	2024	9789392585937
Dr. Arvind Kumar	Book Chapter Basics of Research Methodology- Writing and Publication: Qualitative: Academic Writing Style	Edupedia Publications Pvt Ltd	2024	9789392585937