


1	Present Affiliation:	The Energy and Resources Institute	
2	Name:	Kumar Kunal	
3	Profession:	Research Associate	
4	Date of Birth:	Sep 13, 1996	
5	Email:	nka.kunal@gmail.com	
6	Contact number:	+91-8360890594	
7	Years with Firm/Entity:	1 year 7 months*	Nationality: Indian
8	Membership In Professional Associations	ITPI - Associate Member (Credential ID- AITP/2022/0576)	
9	Detailed Tasks Assigned:		
	<p>Project: Integrated Urban Climate Action for Low-Carbon & Resilient Cities (Urban - Act) Location: India Year: 2023 – Present Role: Team Member Client: Federal Ministry for Economic Affairs and Climate Action (BMWK); International Climate Initiative (IKI); GIZ Main project features: Urban Act supports a transformation towards low-carbon and resilient urban development in five countries - India, the Philippines, Thailand, China, and Indonesia - and contributes to the implementation of NDCs and the 2030 Agenda. The project works around the vertical and horizontal integration of climate and urban policies and regulations, robust information/data and analytical capabilities, inclusive governance, management and monitoring systems, as well as the required financial resources and implementation capacities. At the city level, the project supports cities to develop climate-sensitive urban development plans with underlying budgets. Activities Performed: Project planning and implementation</p>		
	<p>Project: A short-term study to assist Bihar State Pollution Control Board (BSPCB) to develop plans for decongesting traffic in 8 hotspots of Patna Location: Patna, Bihar Year: 2022-2023 Role: Team member Client: Bihar State Pollution Control Board Project features: Surveys are conducted to assess traffic volume and road profile along the congested hotspots in the city of Patna. Data collection on vehicle classification, peak/non-peak hour traffic count during weekdays and weekends. Submission of decongestion plans initially. Short term measures like control of traffic, designating areas for vendors, demarcating vehicle lanes, restriction of movement of freight vehicles. Long-term measures like infrastructure development for non-motorized transport, public transport planning and deployment and improving pedestrian movement. Activities Performed: Helped the Team to meet regulatory requirements like site visits, discussion with relevant stakeholders, selecting and training external survey agency, etc.</p>		
	<p>Project: Transformative Climate Action using Participatory data driven decision making platforms (T-CAP) Location: Visakhapatnam Year: 2022-Present Role: Team Member Client: The United Nations University Project features: a) COVID-19 and adaptation to the impacts of climate change. Promoting resilience in local populations and communities. b) Developing, supporting and strengthening participatory processes and methods of ambitious, inclusive climate action. Activities performed: a) Literature Review b) Preparation of questionnaire for the initial site visit to be held with the stakeholders (govt. and NGOs).</p>		
	<p>Project: Accelerating Net Zero transition of Public Transportation Systems in the city of Kolkata Location: Kolkata Year: 2022-2023 Role: Team Member Client: New Venture Fund</p>		

	<p>Project features: TERI formulates strategies for achieving net-zero transition in public transportation of Kolkata, West Bengal. The major activities under this project are as follows.</p> <ol style="list-style-type: none"> 1. Assessment of electrification needs for public transport covering buses, ferries, 3-wheelers, urban freight, and integration with the tramways. 2. Assessing power demand across the West Bengal Transport Corporation (WBTC) system and its impact on the distribution network and proposing mitigation techniques to manage network overloading. 3. Preparation of Public Transport Electrification Roadmap for Kolkata. 4. Stakeholders' Dialogues, Knowledge Transfer & Policy Recommendations. 								
	<p>Project: Ahmedabad Transport Strategy Location: Ahmedabad Year: 11/2022 – 02/2022 Role: Team Member Client: VITO Project features: a) Working on strategic plans for the public transport network of Ahmedabad in respect to 0-5 years (short-term), 5-10 years (medium-term), and 10-15 years (long-term) plan. Activities performed: a) Literature review for the existing scenario b) Working on Activity 2 of the strategy – Sector specific strategies.</p>								
	<p>Project: Preparation of DPR for Just in Time arrival of Ships and Port Logistics Location: Chidambaranar, Kandla, Paradip Year: 08/2023 – 01/2023 Role: Team Member Client: Ministry of Ports, Shipping and Waterways Project features: The objectives of the proposed study are as follows: <ol style="list-style-type: none"> 1. Preparation of DPR for Just-in-Time Arrival of Ships. 2. Analysis of inward and outward road/rail movement at the selected ports. Activities performed: a) Literature review for the existing scenario b) Preparation of questionnaires for primary data collection from all three ports.</p>								
	<p>Internship:</p> <ol style="list-style-type: none"> (i) Punjab Urban Planning & Development Authority, Mohali, Punjab. Intern (6 Weeks; June 2019 to July 2019). Scrutiny of development plans, site plans and project plans at the Licensing department. (ii) U.T. Secretariat, Chandigarh. Intern (6 Weeks; June 2017 to July 2017). NMT infrastructure design, Area circulation plan, Redesigning, and improvement of junctions & rotary. (iii) CEPT University, Ahmedabad, Gujarat. Research Intern (5 months; January 2022 to May 2022). Supply Chain Analysis of Industrial Area in Ahmedabad. 								
	<p>Achievements</p> <ol style="list-style-type: none"> 1. Certification – Public Policy Challenges of the 21st Century (Coursera). 2. Certification – Cartography (ESRI). 3. Volunteer in the National Service Scheme for 1 year and 6 months under the University of Petroleum & Energy Studies. 4. Certification – Understanding Traffic Impact Assessment (CSE). 5. Data Analytics and Predictive Techniques for Urban Freight Transportation System (FTS) by IDAPT Hub Foundation, IIT (BHU), Varanasi 								
	<p>Software skills: AutoCAD, ArcGIS Desktop/Pro, Adobe InDesign, Adobe Photoshop, Google SketchUp, Rstudio, MS Office, Adobe Premiere</p>								
	<p>Skills: Research and analysis Logistics vehicles expertise Data analysis Policy analysis Transport data analysis Documentation skills Project management</p>								
10	<p>EDUCATION:</p> <table border="1"> <thead> <tr> <th>YEAR</th> <th>COLLEGE/INSTITUTION</th> <th>DEGREE</th> </tr> </thead> <tbody> <tr> <td>2020-2022</td> <td>CEPT UNIVERSITY, AHMEDABAD</td> <td>Master of Urban Transport Systems with elective in Transportation modeling on EMME software</td> </tr> </tbody> </table>			YEAR	COLLEGE/INSTITUTION	DEGREE	2020-2022	CEPT UNIVERSITY, AHMEDABAD	Master of Urban Transport Systems with elective in Transportation modeling on EMME software
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2020-2022	CEPT UNIVERSITY, AHMEDABAD	Master of Urban Transport Systems with elective in Transportation modeling on EMME software							

	2016-2020	School of Planning & Architecture University of Petroleum & Energy Studies, Dehradun	Bachelor of Planning with electives in Rural Development & EIA		
11	EMPLOYMENT RECORD:				
	Name of Employer		Position held	Period	
	The Energy and Resources Institute, New Delhi		Research Associate	August 2022 -ongoing	
12	Language				
	Sr. No.	Language	Reading	Writing	Speaking
	1	English	Excellent	Excellent	Excellent
	2	Hindi	Excellent	Excellent	Excellent
	3	Punjabi	Excellent	Excellent	Excellent
	Japanese	Good	-	Good	
13	Publication:				
	<ol style="list-style-type: none"> 1. Positive Impact of Improving Truck Driver Comfort (Express Mobility). 2. Report on 'A Short-term study for decongesting traffic in 8 Hotspots of Patna'; submitted to Bihar State Pollution Control. 				
14	Certification:				
	<p>I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience. I hereby express my acceptance to work on this assignment.</p> <p> Kumar Kunal</p> <p style="text-align: right;">Date: 26/02/2024</p>				