

CURRICULUM VITAE

1.	Name	K. Parthan			
2.	Date of Birth	08/01/1986			
3.	Educational qualification details				
	Degree	Institution conferring the degree	Field(s)	Year	Percentage/CGPA
	B.Tech	NSS College of Engineering, Palakkad, University of Calicut, Kerala	Civil Engineering	2003-2007	67.7%
	M.Tech	NIT Warangal, Telangana	Civil Engineering (Transportation Engg.)	2008-2010	9.4/10
	Ph.D	IIT Madras, Chennai	Civil Engineering (Transportation Engg.)	2010 - 2022	8.41/10
4.	Teaching experience: (6 years) – Assistant Professor at BMS College of Engineering, Bangalore, Karnataka, since January, 2017.				
5.	Subjects handled: <ul style="list-style-type: none"> • Applied statistics and Probability • Theories of traffic flow • Traffic Engineering • Geometric design of Transportation facilities • Traffic Measurement Laboratory • Transportation Engineering Computational Laboratory 				
6.	Number of M.Tech dissertations guided: 30 Number of M.Tech dissertations guiding (currently): 4				
7.	Research/training experience (in chronological order)				
	Duration	Institution	Role		
	2009	"Preparation of Comprehensive Traffic and Transportation plan for KDMC", LEA associates South Asia Pvt. Ltd., Mumbai	Internship		

2010 – 2022	IIT Madras	PhD Research Scholar
2014 - 2015	Centre for Excellence in Urban Transport (Under ministry of Urban Development), IIT Madras	Project officer
2015 - 2017	Advanced Traveler Information Systems (ATIS) for Indian Cities (Under ministry of Urban Development), IIT Madras	Project officer
8.	Major scientific fields of Interest	<ul style="list-style-type: none"> • Travel demand modeling • Behavioral analysis of urban travel • Discrete choice modeling • Best practices for household interview survey administration. • Developing innovative and burdenless methods for data collection, recording and cleaning. • Role of Intermediate public transport in Urban travel demand management. • Mobility-as-a-Service (MaaS) • Usage of Electric vehicles and its implications on urban travel.
9.	Administrative Responsibilities assumed/handled	<ul style="list-style-type: none"> • MTech (Transportation Engineering & Management) programme coordinator. • PG MBA coordinator
10.	List of publications	Relevant publications are listed below
	<p>Papers published in International Journals</p> <ol style="list-style-type: none"> 1. Kunhikrishnan, P., & Srinivasan, K. K. (2017). Choice Set Variability and Contextual Heterogeneity in Work Trip Mode Choice in Chennai City, Transportation Letters: The International Journal of Transportation Research, Vol. 11, No. 4, 2017, pp. 174– 189. 2. Kunhikrishnan, P., & Srinivasan, K. K. (2018). Investigating behavioural differences in the choice of distinct Intermediate Public Transport modes for work trips in Chennai city. Transport Policy, Vol. 61, pp. 111–122. 3. Kunhikrishnan, P., & Srinivasan, K. K. (2018). Investigating Behavioural Differences in Heterogeneous Decision Rule Segments: An Empirical Analysis. Transportation Research Record: Journal of the Transportation Research Board, Vol. 2672(47), pp. 231–241. 	

4. Kunhikrishnan, P., & Srinivasan, K. K. (2022). Comparison of Fully probabilistic and Partially probabilistic Choice Set Models for Mode Choice. **Transportation Research Record: Journal of the Transportation Research Board**. (In Press).

Publications (in peer-reviewed conferences held abroad)

5. Kunhikrishnan, P., & Srinivasan, K. K. (2018). Investigating Behavioural Differences in Heterogeneous Decision Rule Segments: An Empirical Analysis. Paper accepted for a **Lectern session at Transportation Research Board 97th Annual Meeting**, January 7-11, Washington D.C.
6. Kunhikrishnan, P., & Srinivasan, K. K. (2021). Comparison of Fully Latent and Partially Observed Choice Set Models for Mode Choice. **Presented at the Transportation Research Board 100th Annual meeting**, January 25-29, 2022, Washington D.C.
7. Kumar, D.N., Sanjay Kumar, S., Parthan, K., Jagadeesh, H.S. (2021). Modeling Work Trip Mode Choice in post-metro Bengaluru City. ECS Transactions, Vol. 107 (1), pp 3523-3535, **1st International Conference on Technologies for Smart Green Connected Society 2021**, November 29-30, 2021, United States.

Publications /Presentations (in peer-reviewed conferences held in India)

8. Parthan, K., and C.S.R.K. Prasad. (2010). Access Mode Choice Model for Intercity Passenger Travel. Paper presented in an **International Conference on Urban Mobility India 2010 - Sustainable Urban Transport: Accessible and Inclusive Cities**, New Delhi during 3-5, December, 2010.
9. Kunhikrishnan, P., & Srinivasan, K. K. (2012). Mode choice analysis for Chennai city with partial and probabilistic consideration of alternatives in the choice set. Presented at the **10th Conference on Transportation Planning and Implementation Methodologies for Developing Countries**, December 12 – 14, in IIT Bombay, India.
10. Kunhikrishnan, P., & Srinivasan, K. K. (2013). Investigation of alternate behavioural frameworks for mode choice decisions of workers in Chennai city. **Procedia - Social and Behavioural Sciences**, Vol. 104, pp 573 – 582.

Book chapters

11. Kishore, S.R., Das Vivek, R., Parthan, K. (2022). Evaluation of Queue Discharge and Lane Occupancy Due to Seepage Behaviour of Small Sized Vehicles at Intersection. In: Maurya, A.K., Maitra, B., Rastogi, R., Das, A. (eds). **Proceedings of the Fifth International Conference of Transportation Research Group of India. Lecture**

	<p>Notes in Civil Engineering, vol 219. Springer, Singapore.</p> <p>12. Dilipan, T., Das Vivek, R., Parthan, K. (2022). Study of Driver's Behavior for Lateral Moving Vehicles. In: Maurya, A.K., Maitra, B., Rastogi, R., Das, A. (eds). Proceedings of the Fifth International Conference of Transportation Research Group of India. Lecture Notes in Civil Engineering, vol 219. Springer, Singapore.</p>
11.	<p>Consultancy: Consultancy services for Post Implementation Project Appraisal for Road safety programmes for SH and MDR spread across the state of Karnataka – 3 years – Grant amount of Rs 27,45,000/-</p>
12.	<p>Resource Person/Invited talks:</p> <ul style="list-style-type: none"> • Resource person for a workshop on TRANSCAD at NIT Tiruchirappalli, 3rd - 6th November, 2017. • Talk on “Urban travel mode choice analysis” at DSCE, Bangalore on November 23rd, 2020. • Talk on “Urban Travel mode choice models” at MSRIT, Bangalore on 19th January, 2017. • Bangalore on Lecture of “Concepts of queuing Theory” at RV College of Engineering for I semester M.Tech Highway Technology students on 02.03.2021. • Resource person for conducting short term course on Urban transportation systems planning along with Prof. V. Thamizharasan by Kwame-Nkrumah University at Engineers Center, Roman Ridge, Accra, Ghana, West Africa. • Talk on Modal captivity and trip distance-based heterogeneity in work mode choice with special focus to Intermediate public transport (IPT) as part of the Civil Engineering Research Expo at IIT Madras.
12.	<p>Professional membership: ISTE (LM 134358), IRC (M-401717)</p>
13.	<p>E-mail: kparthan86@gmail.com, parthank.civ@bmsce.ac.in Phone: 7022126295</p>