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Designation	Associate Professor
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Subjects Taught	
U.G	Transportation Engineering –I
	Road Safety Engineering
	Transportation Engineering Lab
P.G	Analysis and Design of Pavement Structures
	Road Safety Audit
	Advance Highway Material Testing Lab

Teaching Experience

Organization	Start Date	End Date	Designation	Nature of Work
MANIT Bhopal	11.02.2003	Till date	Associate Professor	Teaching, Research, Administration, Consultancy

Ph.D Supervised/Ongoing

Name of the Student	Topic	Year of Award	Co-Supervisor
Pawan Deshpande	Development of a methodology for Evaluation of Public Private Partnership Highway Projects in India	2018	Nil
Suprabeet Datta	Assessment of Capacity and Level of Service of Urban Uncontrolled Intersections	2023	Dr. S.P.S Rajput

Sponsored Research Projects (Completed/Ongoing)

Title	Sponsoring Agency	Duration	Amount	Co-PI
Development of Trip Generation Manual for Indian Cities	CSIR CTRI New Delhi	1 Year	10.20	Dr. Bivina GR
Exploration of Psychological Benefits to Indian Rural Women due to Pradhan Mantri Gram Sadak Yojana	NRIDA New Delhi	2 Years	11.40	Dr. Vinita Mohindra, Dr. Varsha Rokade
Performance evaluation of cement concrete pavements in rural roads	NRIDA New Delhi	1 Year	21.70	Dr. Pritikana Das
Proactive Safety Evaluation of Rural Roads: A surrogate Safety Assessment of Strength	NRIDA New Delhi	2 Years	23.28	Dr. Pritikana Das
Characteristics of Cement Concrete Pavement by Usage of Steel and Polypropylene Fibres in Pavement Quality Concrete Mixes	PNC Infratech Limited Agra,UP	1 Year	1.80	Dr. Anuj Jaiswal
Performance Improvements of Bituminous Mixes using Marginal Aggregates and Polymer Modified Binder	National Project Implementation Unit, MHRD,GoI	2 Years	15	Dr. J.S. Chauhan, Dr. P.K Agarwal, Dr. S.S. Goliya
Development of Pedestrian Safety Strategies for Urban Roads in India	Gaheli Centre of Research and Development Pvt Ltd	1 Year	1.5	Nil
Development of Traffic Accident Prediction and Mitigation Strategies for Urban areas	L N Malviya Infra Projects Pvt Ltd	1 Year	1.2	Nil

Utilization off Polymeric Materials like HDPE,PET,Crumb Rubber and Natural Rubber in the Flexible Pavement Construction	Beacon Infralab India Pvt.Ltd.	6 Months	0.72	Dr. Rakesh Kumar
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Major Consultancy Projects

Title	Sponsoring Agency	Duration (2017 to 2023)	Amount (in lakhs)	Co-Investigator
For Construction of Cc Road Multai-Athner Chilkapur - Bhaisadeh Road Project (Mix Design of PQC M-40	Tirupati Build-Con Pvt. Ltd. Burhar Distt. Shahdol (M.P.)	2017	0.34	Nil
Regarding Advise/Opinion for The Work Construction of Capt. Near Kanhasaiya Village Dist. Bhopal	W.M. Pamnani Idgah Hills Bhopal	2017	0.28	Nil
Compressive Strength BRTS Corridor Service Road Narayan Nagar To Vidhaya Nagar 1.9Km	Nagar Palika Nigam Bhopal	2017	0.7	Nil
Mixed Design PQC M-40 3 Design River Sand & Crusher Sand & DLC At Biora City Rajghar	PWD, Rajgad	2017	1.29	Nil
Pavment Design Rajabhaj AwasiyaYojna Scheme at Bhopal	BDA Bhopal	2017	1.18	Nil
CC Road Compressive Strength at BRTS Corridor Narayan Nagar To Vidhaya Nagar (1900 M) Bhopal	Nagar Nigam Bhopal	2017	0.213	Nil
Job Mix Design for Asphalt DAC Name of Work: Re - Carpeting of Existing Runway At Khajuraho Airport	Airports Authority of India Khajuraho Chhatarpur	2018	1.605	Nil
Job Mix Design for Asphaltic DAC Name of Work: Re- Carpeting of Existing Runway At Khajuraho Airport	Airports Authority of India Khajuraho Chhatarpur	2018	0.22	Nil

Traffic Movement Design near Proposed Subhash Phatak Crossing	PWD Bridge Zone Bhopal	2018	4.13	Nil
Mix Design Job Mix Formula of Bituminous Concrete	Rites Ltd Gurgaon	2018	0.59	Nil
Regarding Design of Crust Thickness of RCC Roads at Affordable Housing Scheme, Nabi Bagh Bhopal.	Bhopal Development Authority Bhopal	2018	1.18	Nil
Regarding Crust /Road Section Designing of Station Road Mandideep	Municipal Council Mandideep District Raisen	2018	1.18	Nil
Design & Drawing Fish House Triangle to P H Q Junction	CPA Bhopal	2018	1.77	Dr. Anuj Jaiswal
Four Laning of Gwalior Shivpuri Section of Services for Witnessing Tests and Declaration of Project Highway Safe & Reliable for Issuance of Completion Certificate.	National Highways Authority of India	2018	14.75	Dr. Kamal Singh
Job Mix Design for Semi Dense Asphaltic Concrete for Re Carpeting of Existing Runway at Khajuraho Airport	Airports Authority of India Khajuraho Chhatarpur	2018	0.59	Nil
NTPC-Khargone-Bituminous Concrete & Dense Bituminous Macadam Ingredient Testing & Job Mix Formula	NTPC Ltd.	2018	0.96	Nil
Mix Design M-30 Balance Development Works at AIIMS	CPWD Bhopal	2018	0.35	Nil
M-30 Mix Design CC Road Project Phase- II Zone-19 Hozur Vidhansabha	Nagar Palika Nigam Bhopal	2018	0.32	Nil
PQC Mix Design M-30	B D A Bhopal	2019	0.35	Nil
Regarding Mix Design M-30 for the work of Providing Cement Concrete road at FSD Chhola	Food Corporation of India Bhopal	2018	0.35	Nil
Mix Design M-40 Proposed Construction CC Road & RCC Trench at Betul	PWD, Betul	2018	0.35	Nil
Design of Job Mix Formula for Dense Bituminous Macadam (DBM), Semi Dense Asphaltic Concrete (SDAC) & Dense Asphaltic Concrete (DAC)	Airport Authority of India, Jabalpur Airport Jabalpur	2019	2.47	Nil
Mix Design M-25 Road work Doppler Radar Building Bhopal	CPWD, Division-1 Bhopal	2019	0.35	Nil

Regarding Structural Design Drawing Vetting for the Obstacle course for Police Training for the Project MPPH & ISDC ltd. Bhopal	Aqil Qureshi & Associates Bhopal	2019	0.53	Nil
Job Mix Formula of Dense graded Bituminous Macadam, Construction of Balance works in High-Speed Track (HST) at NATRAX, Pithampur	RITEs Ltd.	2019	0.70	Nil
Mix Design M-30 (road work) for regional Station, IIPR, Fanda, Bhopal	CPWD, Bhopal Division-I	2019	0.35	Nil
Mix Design for the NTPC Gadawara Super Thermal Power Plant (RCC, DLC& PQC)	NTPC, Ltd. Gadawara	2019	1.06	Nil
Scrutiny of project proposals for the State M. P. Under PMGSY Payment to the State Technical Agencies (STAs)	National Rural Infrastructure Development Agency New Delhi	2019	18.29	Dr. Kamal Singh, Dr. Pritikana Das
Scrutiny of project proposals for the State M. P. Under PMGSY Payment to the State Technical Agencies(STAs)	National Rural Infrastructure Development Agency New Delhi	2019	6.07	Dr. Kamal Singh, Dr. Pritikana Das
Construction of Balance works in High-Speed Tack (HST) at Natrax, Pithampur (Near Indore) Vetting of Job Mix formulas of Dense Graded Bituminous Macadam (G-20)	RITEs, Ltd.	2019	0.70	Nil
Scrutiny of project proposals for the State M. P. Under PMGSY Payment to the State Technical Agencies (STAs)	National Rural Infrastructure Development Agency New Delhi	2019	0.38	Dr. Kamal Singh, Dr. Pritikana Das
External Development Work at SSB Academy Chandukheri , Bhopal (Design of Cement Concrete road for academy & Testing of Sub grade for CBR Value.	CPWD, AIIMS Project Division Bhopal	2019	1.18	Nil
Construction of balance works in High Speed Track (ST) at NATRAX, Pithampur (near Indore) Job Mix Formulas of Bituminous Concrete	RITEs Ltd. Pithampur	2019	1.06	Nil
Mix Design M-25 & M-35 grade (Extension of Runway)	Airports Authority of India Jabalpur	2019	0.59	Nil

	Airport Jabalpur			
Bituminous Macadam and Bituminous Concrete Road Materials	NTPC Ltd. Gadarwara	2019	0.87	Nil
Job Mix Formulas (JMFs) of Bituminous Concrete (D- 12) with Bitumen PMB-40(E) Grade manufactured by M/s G P Global Asphalt Pvt. Salvi, Gujrat for Straight Portions in the works.	RIITES Ltd. Pithampur	2019	0.70	Nil
Vetting of Job Mis Formulas of Bituminous Concrete (D- 12) with Bitumen PMB-40(E) SBS Grade Lane- 1 of Parabolic and Transition Portion.	RIITES Ltd. Pithampur	2019	1.06	Nil
Proof Checking of Structural Design & Drawing of Hoda Mata Mandir, Saray Entrance Gate Toilet Block for Hoda Mata Mandir at District Rajgargh M.P.	M P H & I D B, Division No.2 Bhopal	2019	0.29	Nil
Proof Checking of Alignment Modification and Design & Drawing Development of new Intersection Near Steel Arch Bridge Near Kilol Park Bhopal	Bhopal Smart City Development Corporation Ltd. Bhopal	2020	5.90	Nil
Mix Design M-25 Construction of carpeting of bituminous road of colony area and widening of road from Gate No.3 to Gate No.4 at SPM Hoshangabad	CPWD, Division-2 Bhopal	2020	0.35	Nil
Proof Checking of Design under pass near Alternative plan Junction at Arch Bridge Kilol park road Bhopal	Bhopal Smart City Development Corporation Ltd. Bhopal	2021	1.18	Nil
Soil Investigation for proposed construction of New Complex at Bhopal	Nagar Palika Nigam Bhopal	2022	0.59	Nil
Security project proposals for the State of M.P under Pradhan Mantri Gram Sadak Yojna (PMGSY)- Payment to the state technical agencies (STAs)	N R R D A, 5th Floor, 15-NBCC Tower, bhikaji Cama Place, New Delhi.	2021	1.26	Dr. Kamal Singh, Dr. Pritikana Das
Security project proposals for the State of M. P under Pradhan Mantri Gram	N R R D A, 5th Floor, 15-NBCC Tower,	2021	18.15	Dr. Kamal Singh, Dr.

SadakYojna (PMGSY)- Payment to the state technical agencies (STAs)	bhikaji Cama Place, New Delhi.			Pritikana Das
Soil Investigation for proposed construction of New Commercial Complex at Bal Vihar Bhopal	Nagar Palika Nigam Bhopal	2022	0.59	Nil
Analysis and Design of Cement Concrete Pavement	Office Nagar Parishad Kuravar Mandi Distt. Rajghadh	2022	1.18	Nil
Scrutiny of project proposals for the State of M.P. under Pradhan Mantri Gram SadakYojna (PMGSY).	NRIDA, Ministry of Rural Development, New Delhi	2021	13.15	Dr. Kamal Singh, Dr. Pritikana Das
Scrutiny of project proposals for the state of M.P.under Pradhan Manrti Gram SadakYojna (PMGSY- III)Payment to the state to the State Technical Agencies (STAs)	National Rural Infrastructure Development Agency, New Delhi	2023	4.11	Dr. Kamal Singh, Dr. Pritikana Das
Traffic Management and parking advise for Salkanpur Temple Region District Sehore	M P State Tourism, Development Corporation Ltd.	2023	2.36	Nil
Design & Drawing of Traffic Movement Ward No. 16 Zone No. 4 Arif Nagar Berasia Bus Stand Bhopal	Nagar Nigam, Civil Department, Smart City Office Parisar, Govindpura Bhopal	2023	0.53	Nil
Design of Cement Concrete Road at Sunkhedi for M.P. Housing Board, Bhopal	M P H & I D B, Sub Division-06 Bhopal	2023	1.18	Nil
Proof Checking of Rigid Pavement Design for Pavement Quality Concrete for construction of four lane bypass to Bicholim Village on SH No.1 Goa	W. D. VII (NH), P.W.D., Ground Floor, Junta House, Panaji-Goa	2023	0.59	Nil
Design of PCC Road for the construction composite housing scheme at Khajuri Kalan, Bhopal.	M P H & I D B, Bhopal	2023	2.36	Nil

Publications:

Authors	Title	Journal	Vol. No. Page No.	Year	SCI/Scopus	Impact Factor
Suprabeet Datta, Siddhartha Rokade, Rajput SPS	Classification of Uncontrolled Intersections using Hierarchical Clustering	Arabian Journal for Science and Engineering	45(10) 8591 to 8606	2020	SCIE	2.807
Suprabeet Datta, Siddhartha Rokade, Rajput SPS	User Satisfaction based Operational Evaluation for Uncontrolled Intersections under Moved Traffic	Alexandria Engineering Journal	60(10) 1085 to 1103	2020	SCIE	6.626
Suprabeet Datta, Siddhartha Rokade, Rajput SPS	Unsignalized Intersection Capacity Enhancement Through Traffic Rule Readjustments Using Agent Based Cellular Automata Models	Iranian Journal of Science and Technology Transactions of Civil Engineering	46(3) 2605 to 2617	2022	SCIE	1.553
Suprabeet Datta, Siddhartha Rokade, Rajput SPS	Delay and Driver Turning Time Evaluation for Uncontrolled Supervisor Intersections under Diverse Traffic Operational Situations	Transportation Engineering	2(4) 10031 to 10042	2020	Scopus	5.4
Suprabeet Datta, Siddhartha Rokade, Rajput SPS	Microscopic Simulation Based Uncontrolled Intersection Performance Assessment	SN Applied Sciences	2(10) 12 to 32	2020	Scopus	2.88
Pawan Deshpande, Siddhartha Rokade	Prioritization and Assessment of Critical Risks of Public Private Partnership	International Journal of Civil Engineering	8 605 to 620	2017	Scopus	2.88

	Highway Projects in India using Analytical Hierarchical Process	and Technology				
Pawan Deshpande, Siddhartha Rokade	Assessment of Risks in Public Private Partnership Highway Projects Civil in India Using Fuzzy Synthetic Evaluation	International Journal of Civil Engineering and Technology	8 401 to 413	2017	Scopus	2.88
Pawan Deshpande, Siddhartha Rokade	Risk Mitigation Strategies for Public Private Partnership in Highway Projects in India	International Journal of Civil Engineering and Technology	8 584 to 594	2017	Scopus	2.88
Siddhartha Rokade	Utilization of HDPE and PET Wastes in Bituminous Concrete Wearing Surface of Flexible Pavements	International Journal of Civil Engineering and Technology	8 1147 to 1158	2017	Scopus	2.88
Siddhartha Rokade, Rakesh Kumar, Varsha Rokade, Shakti Dubey, Vaibhav Vijayawargiya	Assessment of Effectiveness of Vertical Deflection Type Traffic Calming Measures and Development of Speed Prediction Models	International Journal of Civil Engineering and Technology	8 1135 to 1146	2017	Scopus	2.88
Sareesh Chadrawanshi, Rakesh Kumar, Siddhartha Rokade, P K Jain	Bearing Pressure and Settlement Analysis of Soft Ground Reinforced with Stone Columns	Electronic Journal of Geotechnical Engineering	21 10081 to 10094	2016	Scopus	

Patents

Title	Year	Agency	Co-Investigator	Published/Granted
Interlocking Concrete Blocks	2023	Intellectual Property Office, Government of India	Nil	Granted

Citations

	h-index	i-10 index	Total Citations
Google Scholar	7	7	301
Vidwan Profile	4		34