



Director's Message



Greetings from NATPAC...

The major activities of NATPAC during the period April - June 2024 are presented in this Newsletter. During the period under report 4 research papers in scientific journals, 2 conference proceedings and 1 book chapter have been published and 3 research papers were presented in national/international seminars by the Scientists of NATPAC.

KSCSTE-NATPAC convened a One-day workshop on the topic "Energy and Environmental Challenges for Sustainable Transportation" at NATPAC Head Office, Akkulam, Thiruvananthapuram on 10th May 2024. The workshop provided a platform for discussion about the need to conserve energy and shift towards more environment-friendly energy sources to attain the goals of sustainable transportation.

Dr. Mini Shaji Thomas, Former Director, National Institute of Technology, Tiruchirappalli visited NATPAC and delivered lecture on 'Women Empowerment'. The Centre observed World Environment Day on 5th June 2024.

As the Director of NATPAC, I express my gratitude towards the whole hearted co-operation of all scientific, technical, administrative and supporting/project staff of NATPAC for their concerted and wholehearted cooperation.

With Best Wishes

Prof. (Dr.) Samson Mathew

One-day Workshop on Energy and Environmental Challenges for Sustainable Transportation

KSCSTE-NATPAC convened a One - day workshop on the topic "Energy and Environmental Challenges for Sustainable Transportation" at NATPAC Head Office, Akkulam, Thiruvananthapuram on 10th May 2024. The workshop was funded by the Environmental Information, Awareness, Capacity Building and Livelihood Programme (EIACP), which is a decentralized system sponsored by the Ministry of Environment Forest and Climate Change (MoEFCC), Govt of India for ensuring integration of national efforts in environmental information generation. The purpose of the



workshop was to provide a platform for discussion about the need to conserve energy and shift towards more environment-friendly energy sources to attain the goals of sustainable transportation. The workshop explored the various aspects of alternative sources of energy adopted to cater for the needs of the transportation sector and, subsequently, the environmental aspects of using these sources of energy. The workshop was attended by over fifty

government and non - government officials, scientists, stakeholders and policymakers.

The workshop opened with a welcome statement by Dr Sabitha N. M., Senior Scientist, KSCSTE-NATPAC, followed by a brief description of the program deliberated by Dr P. Harinarayanan, Senior Principal Scientist, KSCSTE. The Presidential Address for the workshop was delivered by Prof (Dr) Samson

Mathew, Director, KSCSTE - NATPAC. The program was inaugurated by Smt. Sreekala S., Chairman, KSPCB and the Special Address was orated by Prof N. V. Chalapathi Rao, Director, NCESS. Shri Suresh Kumar K., Registrar, KSCSTE-NATPAC conferred the vote of thanks. The workshop was organized in two sessions, a technical session followed by an interactive session adored by eminent commentators from diversified disciplines.



Training Course for Drivers of Vehicles Carrying Dangerous and Hazardous Goods

Government of Kerala accorded sanction to KSCSTE-NATPAC for conducting 'Training Course for Drivers of Vehicles Carrying Dangerous and Hazardous Goods'. A certificate for the same is issued to participants on the completion of training and this certificate is valid for 3 years. The training intends to ensure employee's safety, reduce incidents and crashes, increase employee's skills, ensure environmental protection, preclude penalties and reduce operating costs.

Hazardous Training Program	Date	No. of Participants
52nd	29.05.2024 to 31.05.2024	50



Road Safety Training for Various Target Groups

Program Details	Date	Venue
Half day training on 'Road Safety' for school children		Institute of Engineers

Training / Invited Expert Talk



- a** Dr. Mini Shaji Thomas, Former Director, National Institute of Technology, Tiruchirappalli visited NATPAC and delivered lecture on 'Women Empowerment', on 17th April 2024.
- b** Dr. Moses Santhakumar, Professor (HAG), NITT interacted with the Scientists, 22nd May 2024.
- c** Lab visit and demonstration for the students of Musaliar College of Engineering and Technology, 20th June 2024. 28 students participated.
- d** **TransTech Talk Series**

KSCSTE-NATPAC has initiated a technical talk series entitled "TransTech Talk Series" focussing on various aspects of Transportation sector.

The fifteenth talk in the series was delivered online by Dr. Alfred Kalyanapu, Ph.D., Professor, Tennessee Technological University on the topic "Development of Low-cost, Real-time Water Level Monitoring System - A Case Study for Falling Water River Watershed" on 11th April 2024.

The sixteenth talk in the series was delivered online by Dr. Priyanka Alluri Ph.D., P.E., RSP2BI, Associate Professor, Department of Civil and Environmental Engineering, Florida International University on the topic "Improving Transportation Safety: Bridging the Gap Between Research and Practice through the 4 Es".

The seventeenth talk in the series was delivered online by Dr. Ram Kumar Veeraragavan, Project Engineer, Federal Highway Administration - Mobile Asphalt Technology Center (MATC), USA

on the topic "Performance Based Asphalt Mixtures: Balanced Mix Design Approach - Linking Theory to Practice on 14th June 2024.

e TransPedia Research Talk Series

TransPedia is a distinctive endeavour from NATPAC, envisioned to promote research for shared benefits, by disseminating knowledge on diverse topics from cutting-edge technologies to sustainable solutions. This also brings out a platform for young researchers across the globe to connect and interact to better shape the future of research and development in transportation.

The ninth talk in the series was delivered online on the topic "Investigating heterogeneity in alternatives, decision rules, contextual variables and choice set in commute mode choice" on 24th April 2024 by Dr. Parthan K, Assistant Professor, Civil Engineering Department, B.M.S. College of Engineering, Bangalore.

The tenth talk in the series was delivered online on the topic "Understanding waterborne public transportation leading to holistic design of ferries" on 29th May 2024 by Dr. Harsha Cheemakurthy, Naval Architect, R&D Department, StormGeo, Sweden.

The eleventh talk in the series was delivered online on the topic "Link Cost Function and Link Capacity for Mixed Traffic Networks" on 26th June 2024 by Dr. Aathira K. Das Project Research Scientist, Department of Civil Engineering, Indian Institute of Technology, Bombay.

Participation in Workshops, Seminars / Conferences and other Training Programmes

Seminars / Conferences

Name of Programme	Organised by	Date(s)	Venue	Participants
Advancing traffic safety using ADAS and DMS systems	IIT Hyderabad	19.04.2024	IIT Hyderabad	Subin B
International Conference on Sustainable Infrastructure: Innovation, Opportunities and Challenges-2024	NITK Surathkal	30.04.2024 01.05.2024	NITK Surathkal	Shaheem S Dr.Anila Cyril
CONFEST 2024 Construction Conclave		11.05.2024	Hotel Hycinth, Thiruvananthapuram	Dr.Himasree P R
Implementation of Tsunami ready program (TRP) in Kerala	KSDMA	24.05.2024	Apollo Dimoro Hotel, Thiruvananthapuram	Ebin Sam S, Dr Salini U Dr.Himasree P R
International Conference on Structural Engineering and Construction Management (SECON '24)	FISAT	05.06.2024 -07.06.2024	FISAT	Shaheem S Dr.Anila Cyril
Infrastructure development in North East focus on technology and sustainability	Indian Infrastructure Magazine	12.06.2024	Assam	Shaheem S Subin B
228th Mid-Term Council Meeting of the Indian Roads Congress	Indian Roads Congress	14.06.2024 – 15.06.2024	Siliguri (West Bengal)	Dr. Samson Mathew
Greening Public Transport	KMRL in collaboration with SCMS Kalamassery	20.06.2024	SCMS Kalamassery	Dr.Anila Cyril
DoECC-Stakeholder consultation meeting on Kerala Carbon Neutral Pathway 2050	Directorate of Environment and Climate Change	27.06.2024	Thiruvananthapuram	Dr. Samson Mathew, Jegan Bharath Kumar A Dr Salini U

Training Programmes

Name of Programme	Organised by	Date(s)	Venue	Participants
15 day Certification Programme on 'Road Safety Audit and other Road Safety related aspects'	CSIR-Central Road Research Institute, New Delhi	15.04.2024 – 30.04.2024	CSIR-Central Road Research Institute, New Delhi	V S Sanjay Kumar, Arun Chandran
ISRO-Sponsored NNRMS Faculty Development Program on “Remote Sensing & GIS Technology and Applications”		13.05.2024 - 05.07.2024	IIRS, Dehradun	Dr.Sabitha N M
AFSC 2024 -Value addition in aggregates sourced from industry rejects for sustainable construction	VNIT Nagpur	24.06.2024 – 28.06.2024	VNIT Nagpur	Dr.Himasree P R

Workshops

Name of Programme	Organised by	Date(s)	Venue	Participants
Advancing traffic safety using ADAS and DMS systems	IIT Hyderabad	19.04.2024	IIT Hyderabad	Subin B B Anish Kini
One Week Offline Workshop on Time Series & Panel Data Econometrics (6 Days)	Kerala Economic Association (KEA) in association with Gulati Institute of Finance and Taxation (GIFT)	29.04.2024 – 04.05.2024	Gulati Institute of Finance and Taxation (GIFT)	Dr. Sunitha Vijayan
Cartography	ESRI	Completed on May 21, 2024	Online MOOC Course (6 weeks)	Dr.Anila Cyril
Balanced mix design: enhancing performance and sustainability in Indian bituminous mixtures	KHRI, PWD, GoK	10.06.2024 –11.06.2024	KHRI	Dr Salini U Chandraprathap R
National Level Workshop on “Advanced Computer Vision for Image & Video Analysis and Applications”	IIIT Kottayam	17.06.2024 – 21.06.2021	IIIT Kottayam	Dr Salini U

Webinars

Name of Programme	Organised by	Date(s)	Venue	Participants
Leading with Convergence: Securing Wired and Wireless Networks - Strategies and Recommendations for Deployment	Fortinet	23.04.2024		Dr.Sanjai R J
IP and the SDGs: Building our Common Future with Innovation and Creativity	IPRIC-K	30.04.2024		Dr.Sanjai R J
Non destructive testing and evaluation of structures	Ultra Tech Cement Ltd and Indian Concrete Institute	04.05.2024		Dr.Himasree P R
Smart & Intelligent Equipment for Modern and top quality Infrastructure Developments	International Road Federation – India Chapter	16.05.2024		Dr.Sanjai R J Dr.Goutham Sarang
Modernizing India's Transport Infrastructure: Geospatial solutions and analytics at the forefront	GW consulting Geospatial world	30.05.2024		Dr. Rameesha T V
Use of Permeable Pavements	Applied Research Associates, Inc.	05.06.2024		Chandra prathap R
Sustainable development of infrastructure using low carbon cement concrete construction	International Road Federation – India Chapter	19.06.2024		Dr.Himasree P R Dr. Goutham Sarang
Electric Bus Schedulig Problems and Opportunities	TU Delft	20.06.2024		Dr.Himasree P R Dr. Anila Cyril
Sustainable Transport and Livability	IISc Sustainable Transportation Lab	20.06.2024		Goutham Sarang

Students' Training/Project Work and Thesis

Details of guidance provided by the Scientific Divisions to students from various National Institutes and reputed Professional Colleges during this period is given below

M.Tech/M.Plan/M.Sc

SI No.	Name of Institution	Course	Guide	No. of Students	Topic
1	Mangalore University	M.Sc	V S Sanjay Kumar	1	Identification of Repeated Pedestrian Vulnerable Corridor
2	Rajiv Gandhi Institute of Technology (RIT) Kottayam	M. Tech		1	Enhancing Pedestrian Safety: Guidelines and Best Practices
3	College of Engineering Trivandrum (CET)	M. Tech		1	Pedestrian safety Assessment in Bus stops
4	College of Engineering Trivandrum (CET)	M. Tech	Subin B	1	Behavioural Modelling of Two-Wheeler Accident Among Youngsters
5	Mangalore university, Mangalagangothri, Mangalore, Karnataka	Master's Degree in Geoinformatics	Dr. Sabitha N M	1	
6	College of Engineering Trivandrum (CET)	M. Tech	Wilson K C	1	Comprehensive analysis and re-evaluation of exceptional gradient
7	Mangalore University	M. Sc (Geoinformatics)	Ebin Sam	1	Blackspot Analysis
8	Mangalore University	M. Sc (Geoinformatics)		1	Spatio-Temporal Analysis
9	Bharathidasan University	M. Sc (Geoinformatics)	Chandraprathap R	1	Utilizing GIS for Mapping Suitable Aggregates in Road Construction Projects
10	Mar Baselios College of Engineering and Technology (MBCET)	M. Tech	Jegan Bharath Kumar A	1	Evaluating the performance & Rheological characteristics of Porous Asphalt mix
11	Mar Baselios College of Engineering and Technology (MBCET)	M. Tech		1	Assessing the Performance and Rheological Characteristics of Porous Asphalt Mix
12	College of Engineering Trivandrum (CET)	M. Tech (GE)	Dr.Salini U	1	Investigations on the application of concrete demolition waste as a Geocell infill
13	College of Engineering Trivandrum (CET)			1	Investigations on the application of construction demolition waste and rap as geocell infill

Sl No.	Name of Institution	Course	Guide	No. of Students	Topic
14	Cochin University of Science and Technology (CUSAT)	M. Tech (GE)	Dr.Salini U	1	Laboratory studies on stabilization of soft soil by lime precipitation technique
15					Effect of pore fluid chemistry on swell and consolidation behavior of marine clays
16					Study on the suitability of sustainable infill materials in coir geocell reinforced base course
17	Mar Baselios College of Engineering and Technology (MBCET)	M. Tech	Dr.Praveen P S	1	Analysis of Forced Gap Characteristics at an Unsignalized T-Intersection
18	Government Engineering College Thrissur (GEC Thrissur)		Dr.Himasree P R	1	Performance of hybrid fibre reinforced high performance concrete
19					Strength and behaviour of bamboo fibre-reinforced BRC slabs
20					Performance of Polypropylene fibre and steel fibre layered reinforced concrete beam
21					Experimental and Numerical study on flexural behaviour of RCC beam strengthened using basalt textile reinforced graphene enhanced mortar (BTRGM)
22	SVNIT Surat	M. Tech	Dr. Vasudevan N	1	Mode choice analysis using ICLV for Kochi metro
23	Cochin University of Science and Technology (CUSAT)	M. Tech (GE)	Dr. Goutham Sarang	1	Study on the rutting behavior of rubber tyre and coir geotextile reinforced soil
24					Investigation of pullout behavior of soil nail interaction
25	College of Engineering Trivandrum (CET)	M. Tech	Dr.Rameesha T V	1	Feasibility study of Cargo shipping from port to its Hinterland
26	Cochin University of Science and Technology (CUSAT)	M. Tech	Dr.Rameesha T V	1	Structural behaviour of concrete filled steel tube columns under corrosion
27					Seismic performance of moment resisting steel frame with storage tank

SI No.	Name of Institution	Course	Guide	No. of Students	Topic
28	VTMNSS College, Dhanuvachapuram	M.A (Economics)	Dr. Sunitha Vijayan	1	Socio-Economic-Health status and Psychological well being of Public Transport Drivers
29	Mahatma Gandhi College, Thiruvananthapuram	M.A (Economics)			Economic Burden of Disease
30	Mar Ivanios College, Thiruvananthapuram	M Sc (Statistics)	Ardra S Krishna	1	Effectiveness of an Infrastructural Facility in TW Accident Reduction
31	TKM, Kollam	M.Tech		2	Crash Data Analysis of SH8
32	RIT Kottayam	M.Tech		2	Crash Data Analysis of SH8

B.Tech

SI No.	Name of Institution	Course	Guide	No. of Students	Topic
1	Lourdes Matha College of Science & Technology, Trivandrum	B. Tech	Shaheem S	4	Socio-Economic-Health status and Psychological well being of Public Transport Drivers
2	Baselious Mathews II College of Engineering	B. Tech	Subin B	4	Evaluation of effectiveness of Real Time Speed Feedback Signs in reducing over speeding behaviour of drivers
3	Mar Baselios College of Engineering and Technology, Thiruvananthapuram	B. Tech	Salini P N	5	Level of Service and safety of pedestrian facilities at signalized intersection
4	College of Engineering, Muttathara	B. Tech	Wilson K C	4	Study on effect of concrete filling in potholes
5	Government Engineering College, Barton Hill	B. Tech	Arun Chandran	4	Evaluation of Efficiency of Traffic Calming Measures
6	Younus College of Engineering and Technology				Feasibility Study for Water Metro in Kollam
7	NIT Bhopal	B. Tech	Ebin Sam S	1	Development of Cross sectional Maps using Digital Technology
8	VIT Vellore			1	2D Drawing and 3D Modelling

Sl No.	Name of Institution	Course	Guide	No. of Students	Topic
9	Mar Baselios College of Engineering and Technology, Thiruvananthapuram	B. Tech	A.Jegan Bharath Kumar	4	Permeability of Hot Mix Asphalt for Different Compaction and Moisture Conditions
10	Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore				Performance Evaluation of HMA mix of varying RAP material and binder content
11	Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore			3	Optimization of lime, cement and bagasse content for stabilization of subgrade soil
12	College of Engineering, Muttathara	B. Tech	Chandraprathap R	4	Study on the Strength Characteristics of Cold Mix Asphalt using Abaca Fiber Additive
13	College of Engineering, Muttathara	B. Tech	Dr.Salini U	4	Use of red mud and lime for stabilization of weak soil
14	Mar Baselios College of Engineering and Technology				Evaluation of moisture susceptibility of warm mix asphalt
15	Government Engineering College Barton Hill, Thiruvananthapuram				Experimental evaluation of permeability characteristics of asphalt pavements
16	LBS College of Engineering, Kasargod	B. Tech	Dr. Goutham Sarang	4	Comparison of hot and warm stone matrix asphalt mixtures
17	National Institute of Technology, Calicut	B. Tech	Ardra S Krishna	4	Review of MTW lane studies

M.Tech / M.Sc (Internship)

Name of Institution	No. of Students	Name of Institution	No. of Students
NIT Calicut	2	NSS College for Women, Neeramankara	4
NIT Tiruchirapally	2	VTMNSS College, Dhanuvachapuram	5
IIT Kharagpur	3	College of Engineering, Guindy, Anna University	2
SPA Vijayawada	2	Musliar College of Engineering and Technology, Pathanamthitta	5
NIT Trichy	2	GEC, Thrissur	3
College of Engineering, Trivandrum	3	GCT, Coimbatore	1
TKM, Kollam	2	Anna University	2
Rajiv Gandhi Institute of Technology (RIT) Kottayam	5	MA College of Engineering, Kothamangalam	1
Mar Ivanios College, Thiruvananthapuram	7		

B.Tech (Internship)

Name of Institution	No. of Students	Name of Institution	No. of Students
Maulana Azad National Institute of Technology Bhopal	2	NIT Calicut	17
Vellore Institute of Technology, Chennai	5	NIT Bhopal	2
National Institute of Technology Calicut	3	College of Engineering, Trivandrum	1
SPA Delhi	1	Musaliar College of Engineering and Technology	2
SPA Bhopal	1	Gati Shakthi Vishwa Vidyalaya, Vadodara, Gujarat, India	1
National Institute of Technology, Tiruchirappalli	1	Rajiv Gandhi Institute of Technology (RIT) Kottayam	1

Publications and Presentations

Papers Published in Referred Journals

Shaheem.S, S. Sreelekshmi, Nisha Radhakrishnan, Anjaneyulu MVLR, **Samson Mathew**. (2024). Mode choice modelling of work trips using latent variables for a medium sized city in India. Transportation Planning and Technology Journal, published online, 05 April 2024.

Surendar Natarajan, T, Sree Sharmita, **A. Jegan Bharath Kumar**. (2024). Forecasting and Spatially Interpolating Rainfall Data- A Case Study on Thiruvananthapuram. Indian Journal of Environmental Protection, Vol.44, No.5. (Scopus).

Koshy, S A, **Salini, U.** (2024). Experimental Investigation on the Clogging and De-clogging Behaviour of Open Graded Friction Course Mixes. International Journal of Pavement Research and Technol

ogy. 1-17. <https://doi.org/10.1007/s42947-024-00449-5>.

Parayil, A, **Salini, U.** (2024). Stabilization of Weak Lateritic Soil with Sawdust Ash and Lime. Indian Geotechnical Journal, 1-12. <https://doi.org/10.1007/s40098-024-00980-z>.

Conference Proceedings

Paul, M M, Varma, M, **Salini, U.** (2024). Analysis of Slope Stability Using SLOPE/W Software. Proceedings of the Indian Geotechnical Conference 2022. Volume 6. IGC 2022. Lecture Notes in Civil Engineering, vol 484. Springer, Singapore. https://doi.org/10.1007/978-981-97-3393-4_8.

Harsha P, **Rameesha T.V.** (2024). Study of the effect of slope, location and loading direction of single pile on the lateral load capacity. Procee

dings of the Indian Geotechnical Conference 2022. Volume 1. IGC 2022. Lecture notes in Civil Engineering, 476 LNCE, pp. 105-116. Springer, Singapore. https://doi.org/10.1007/978-981-97-1737-8_9.

Book Chapter

D'Silva, T.C., Vijayan S., Deb, S., Chandra, R. (2024). Global Climate Change Crisis: Lessons Learned from COVID-19 in the Context of Solid Waste Management and Allied Sectors in India. In: Mukhopadhyay, U., Bhattacharya, S., Chouhan, P., Paul, S., Chowdhury, I.R., Chatterjee, U. (eds) Climate Crisis, Social Responses and Sustainability: Socio-ecological Study on Global Perspectives. Climate Change Management. Springer, Cham. https://doi.org/10.1007/978-3-031-58261-5_8. (pp.175-190).

Publications / Presentation of Papers in Seminars / Workshops



Author(s)	Paper Details	Date
Dr.Anila Cyril, Dr.Vasudevan N	<i>“Performance evaluation of city circular bus routes of Thiruvananthapuram”</i> . International Conference on Sustainable Infrastructure: Innovations, Opportunities and Challenges (SIIOC 2024), NITK, Surathkal.	30.04.2024 – 01.05.2024
Goutham M N, Fathima Zarina, Fathima S, Ashalatha R, Praveen P S, Pranoy S Raj	<i>“Characterizing the effect of Curb Side Bus Stop on Platoon Dispersion along Signalised Corridor”</i> . International Conference on Sustainable Infrastructure: Innovations, Opportunities and Challenges (SIIOC 2024), NITK, Surathkal.	30.04.2024 – 01.05.2024
Sajeetha Salim, Shaheem S	<i>“Influential Factors Affecting Parker's Mode Choice Behavior in Kozhikode City”</i> . International Conference on Sustainable Infrastructure: Innovations, Opportunities and Challenges (SIIOC 2024), NITK, Surathkal.	30.04.2024 – 01.05.2024
Shaheem. S, Anila Cyril	<i>“Development of Parking Policy for Ernakulam City”</i> . International Conference on Structural Engineering and Construction Management (SECON'24), Federal Institute of Science and Technology, Ernakulam.	05.06.2024 – 07.06.2024

Invited Talks / Media Interactions

Invited Talks

Sl No	Name & designation of staff	Topic/Particulars	Event/Venue	Date
1	Prof.(Dr.) Samson Mathew, Director	<i>Application of Geotextiles in Rural Roads</i> <i>Use of Waste Plastics in Rural Road Construction</i>	Five - Day Executive Development Programme on Rural Road Construction Methods, Sponsored by NRIDA, Ministry of Rural Development, GOI, New Delhi at National Institute of Technology, Warangal	30.04.2024 – 01.05.2024

Sl No	Name & designation of staff	Topic/Particulars	Event/Venue	Date
2	V.S. Sanjay Kumar, Principal Scientist	<i>Road Safety Auditing of Rural Roads</i>	Training Program on “TFT03: Road Safety – Relevant Highway and Engineering Aspects (Batch XVI), Highways Department Training Centre, Tamil Nadu at the Training Centre, Chennai	29.05.2024 - 30.05.2024
3		<i>Design Stage Road Safety Audit - Hands on exercise</i> <i>Road Safety Audit - Site Visit</i>		
4	Dr Salini U, Scientist	<i>Optimizing Road Utility Trench Rectification with Controlled Low Strength Material (CLSM)</i>	Smart Tech Talk Series organized by Turtle Smart Solutions	27.07.2024
5	Dr.Vasudevan N, Junior Scientist	<i>Lecture on Traffic Engineering</i>	Resource person as part of KTU curriculum-specific 3rd Module for B.Tech CET 206 - Transportation Engineering, at Christ College of Engineering, Irinjalakuda	15.04.2024

Media Interaction

	Name & designation of staff	Topic/Particulars	Event/Venue	Date
1	V.S.Sanjay Kumar, Principal Scientist	<i>Safety Issues in MC Road</i>	Malayala Manorama	28.06.2024
2	Subin B, Senior Scientist	Nerkku Ner programme as part of Shirur landslide	Asianet	
3		<i>NH66 development</i>	All India Radio - Prabhathabheri	

NOMINATIONS!

Nominations to Technical committees / Advisory Bodies / Membership of Professional Institutions

Salini P N

- Advisory Committee Member, “International Conference on Innovative Practices in Sustainable Engineering & Technology (IC-IPSET'24)”, 29-31 July 2024, organised by Dept of Civil Engg, Mar Baselios Institute of Technology and Science Kothamangalam

B Anish Kini

- Member, IRC G7 Committee on Intelligent Transportation Systems

External Reviewer / Examiner / Doctoral Committee

Jegan Bharath Kumar. A

- Reviewer of “Transportation Letters: The International Journal of Transportation Research”
- Reviewer of “Case Studies on Transport Policy”
- Reviewer of “Transportation Research Record (TRR)”

Dr Salini U

- External Doctoral Committee member of 1 Research Scholar of CET
- External examiner for comprehensive viva voce examination of 1 Research Scholar of NSS College of Engineering Palakkad
- Reviewer of the Journal “International Journal of Pavement Research and Technology, Springer”
- Reviewer of the Journal “Journal of the Institution of Engineers (India: Series A (IEIA))”

Dr. Himasree P R

- Reviewer of the Journal “Building Engineering”, Elsevier
- Reviewer of the Journal “Mechanics of Time-dependent Materials, Springer
- Reviewer of the Journal “Journal of Architectural Engineering”, ASCE
- External Doctoral Committee member of 2 Research Scholars of CET

Dr. Goutham Sarang

- PhD co-guide for one research scholar and PhD research advisor for one research scholar at Vellore Institute of Technology Chennai
- Reviewer of the Journal “Construction and Building Materials”
- Reviewer of the Journal “Transportation Infrastructure Geotechnology”

നിരത്തിൽ അടിപൊട്ടുന്നതെങ്ങനെ

പഠനത്തിന് ഗതാഗതവകുപ്പ്

ബി. അജിത് രാജ്
തിരുവനന്തപുരം

► റോഡിലെ രോഷപ്രകടനങ്ങൾ വ്യാപകമായ പശ്ചാത്തലത്തിൽ ഇതേക്കുറിച്ചുള്ള പഠനത്തിന് ഗതാഗതവകുപ്പ് തയ്യാറെടുക്കുന്നു. നാട്പാക്കിനാകും പഠനച്ചുമതല. ഡ്രൈവിങ്ങിനിടെ അപരിചിതർ തമ്മിലുണ്ടാകുന്ന തർക്കം വാക്കേറ്റത്തിനും കൈയാങ്കളിനും അക്രമത്തിനും ഇടയാക്കുന്നുണ്ട്.

മേയർ ആര്യാ രാജേന്ദ്രനും കെ.എസ്. ആർ.ടി.സി. ഡ്രൈവർ യദുവും തമ്മിലുണ്ടായ തർക്കം റോഡിലെ രോഷപ്രകടനത്തിന്റെ തുടർച്ചയാണ്. ഇരുവാഹനങ്ങളിലെയും ഡ്രൈവർമാർ തമ്മിലുണ്ടായ തർക്കമാണ് ബസ് തടയുന്നതിലേക്കും വാക്കേറ്റത്തിലേക്കും നയിച്ചത്.

വാഹനമോടിക്കുന്നവർ പരസ്പരബഹുമാനമില്ലാതെ പെരുമാറുന്നതാണ് പ്രശ്നത്തിലേക്കു നയിക്കുന്നത്. മറ്റുവാഹനങ്ങൾ



കടന്നുപോകാൻ അനുവദിക്കാതിരിക്കുക, നിരന്തരമായി ഹോൺമുഴക്കുക, സിഗ്നൽ തെറ്റിച്ച് നീങ്ങുക, സ്റ്റോപ്പിൽ നിർത്താതിരിക്കുക തുടങ്ങിയവയൊക്കെ വഴക്കിനിടയാക്കുന്നുണ്ട്.

ഈ പ്രശ്നത്തിന് പരിഹാരം കാണാൻ കേന്ദ്രസർക്കാർ ഡ്രൈവിങ് പരിശീലനം ശാസ്ത്രീയമായി പരിഷ്കരിക്കാൻ പദ്ധതി തയ്യാറാക്കിയിരുന്നു. നിരത്തിലെ പെരുമാറ്റവും ഡ്രൈവിങ് പരിശീലനത്തിന്റെ ഭാഗമാകുന്ന പരിശീലനപദ്ധതി (അക്രഡിറ്റഡ് ട്രെയിനിങ് സെന്ററുകൾ) വിഭാവനം ചെയ്തെങ്കിലും കേരളത്തിൽ നടപ്പാക്കിയിട്ടില്ല.

■ ഏറെയും ക്ഷമിക്കാവുന്നവ

ക്ഷമിക്കാവുന്ന കാര്യങ്ങളാണ് മിക്കപ്പോഴും അടിപിടിയിലേക്കു നയിക്കുന്നത്. വാഹനസാന്ദ്രത ഏറിയതും ഗതാഗതക്കുരുക്ക് വർദ്ധിച്ചതും ഡ്രൈവർമാരെ സമ്മർദ്ദത്തിലാക്കുന്നുണ്ട്. സമരങ്ങൾ, പ്രകടനങ്ങൾ, ആഘോഷങ്ങൾ, റോഡുനിർമ്മാണം തുടങ്ങിയവകാരണം ഗതാഗതം തടസ്സപ്പെടുമ്പോൾ കുരുക്കിൽപ്പെടുന്ന വാഹനങ്ങളിലെ ഡ്രൈവർമാരുടെ ക്ഷമനശിക്കും.

■ കുറ്റകരം

മറ്റുവാഹനങ്ങളിലുള്ളവരെ ഭയപ്പെടുത്താൻ അപകടകരമായരീതിയിൽ ഡ്രൈവ് ചെയ്യാൻ ലൈസൻസ് നഷ്ടമാകും. ആവശ്യമില്ലാതെ പക്ഷംപിടിച്ച് തർക്കം അടിപിടിയിലേക്ക് എത്തിയാലും കേസ് വരും.

08/05/2024 KOTHAMANGALAM-MUVATTUPUZHA Pg 01

Awards / Recognitions

V.S. Sanjay Kumar

- V S Sanjay Kumar, Principal Scientist – received the ITS Support from SERB for attending the 'Australasian Road Safety Conference 2024', Australia (30 September, 2024 to 03 October, 2024).

Dr.Anila Cyril

- Dr.Anila Cyril, Junior Scientist and Dr.Vasudevan N, Junior Scientist received the best technical paper award for the paper, "Performance evaluation of city circular bus routes of Thiruvananthapuram". International Conference on Sustainable Infrastructure: Innovations, Opportunities and Challenges (SIIOC 2024), NITK, Surathkal, 30th April – 1st May 2024.



Observance of World Environment Day on 5th June 2024



natpac
KSCSTE - NATPAC

राष्ट्रीय परिवहन योजना एवं अनुसंधान केंद्र
ദേശീയ ഗതാഗത ആസൂത്രണ ഗവേഷണ കേന്ദ്രം
NATIONAL TRANSPORTATION PLANNING AND RESEARCH CENTRE

An Institution of Kerala State Council for Science, Technology and Environment, Government of Kerala.
K Karunakaran Transpark, Aakkulam, Thuruvikkal P.O, Thiruvananthapuram - 695 011
www.natpac.kerala.gov.in E-Mail: contactus.natpac@kerala.gov.in Phone: 0471-2779200



Regional Offices

Kozhikode

CWRDM Campus, Kunnamangalam,,
Kozhikode - 673 571, Phone: 0495-2963795

Ernakulam

H 3105, 2nd Floor, Jawaharlal Nehru International Stadium,
Kaloor, Ernakulam - 682 017, Phone: 0484 - 2340040

Published and Printed on behalf of The Director, NATPAC

Editorial Board : Shri. B Subin, Senior Scientist, Smt.Veena K S, Scientist, Shri.B Anish Kini, Scientist,
Shri.Jegan Bharath Kumar A, Scientist, Shri. Chandra Prathap R, Scientist