



NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL
DEPARTMENT OF CIVIL ENGINEERING
ORGANISES
WORKSHOP IN LINE WITH THE NATIONAL MASTER PLAN OF THE PM GATI SHAKTI
ON
“TRANSPORTATION SYSTEM DESIGN”
NOVEMBER 20-24, 2023

About NITK, Surathkal

National Institute of Technology Karnataka (NITK), Surathkal is located in Mangalore City, Karnataka State, India. Mangalore is the headquarters of the coastal district of Dakshina Kannada and boasts of being an important centre of education, business and trade in Karnataka State. The presence of an all-weather major port in Mangalore has resulted in the rapid industrial growth in the hinterland covering large parts of Karnataka, extending up to the state capital, Bangalore. Mangalore also possesses Special Economic Zones and has been earmarked for Information Technology Parks. Dakshina Kannada district boasts of 100% literacy and is well known for its educational institutions. Mangalore is a popular tourist destination and is well known for pristine beaches, temples and unique cuisine.

Course Objectives

In line with the national master plan of the PM GATI SHAKTI, this course is designed. This course will introduce to the Basic principles of transportation demand gives an idea about Role of Transportation Systems in Sustainable Development and Overview of Transportation Systems in India also deals with Concepts for City Sustainability with Efficient Planning for Freight and Logistics, Smart Mobility, Modelling freight generation for sustainable transportation infrastructure development, India Ports and Inland Waterways and an overview of Sagarmala. The participants after attending this course they should able to work on freight logistics, urban planning, data science, and predictive technologies

Resource Persons

Faculty from NITs, BITS and reputed institutes will deliver the lectures.

Course module

This course covers topics on, Basic Principles of Travel Demand Modeling, Role of Transportation Systems in Sustainable Development and Overview of Transportation Systems in India, Trip Generation - Experiment Design and Analysis, Solution Concepts for City Sustainability with Efficient Planning for Freight and Logistics, Smart Mobility, Modelling freight generation for sustainable transportation infrastructure development, India Ports and Inland Waterways and an overview of Sagarmala, Introduction to Traffic Assignment, Intelligent Transportation System (ITS) for sustainable public transit system: Journey and future challenges and Mode split & Discrete Choice models

Certificate

E-Certificate will be awarded to the participants who attend and complete the course successfully

Target Participants

This workshop is specifically designed for UG/PG/PhD students, researchers, faculties and technical staffs from the branches of engineering/ Science who are interested in freight logistics, urban planning, data science, and predictive technologies.

Registration Fee

There is **no registration fee**. The nomination along with a soft copy of the registration form should be sent by email to ravirajmh@nitk.edu.in on or before October 31, 2023.

REGISTRATION DEADLINE: October 31, 2023.

MODE OF THE PROGRAM: Completely Online Mode

Coordinators:

Dr. Raviraj H.M Assistant Professor, Department of Civil Engg., NITK, Surathkal Mangalore 575025 E-mail: ravirajmh@nitk.edu.in



NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL
DEPARTMENT OF CIVIL ENGINEERING
ORGANISES
WORKSHOP IN LINE WITH THE NATIONAL MASTER PLAN OF THE PM GATI SHAKTI
ON
“TRANSPORTATION SYSTEM DESIGN”
NOVEMBER 20-24, 2023

REGISTRATION FORM

Name of the Participant	
Designation	
Academic Qualification	
Name of the Institution/Organization	
Are you a faculty member? (Yes or No)	
Address for Communication	
Phone	
Email	
Place:	Date:
Signature of the participant:	
Approval /Permission from theInstitution/Organization: We approve the above application as participant for the above Workshop In Line With The National Master Plan of The PM Gati Shakti on, “Transportation System Design”, which will be organized by NITK, Surathkal from 20 th to 24 th November 2023.	
Authorized Signature Institute/Organization seal	

Note: Scanned copy of the filled form can be emailed to ravirajmh@nitk.edu.in