

❖ Overview of the Course:

Mobility plays an important role in the daily life of people, whether in rural or urban areas, in industrialized, developing or emerging countries. Digitalization and automatization, for example, offer a wide range of possibilities for new services, improved user experiences and shared mobility options – especially in emerging economies with their often young and technology-oriented population. Another example is the significance of non-motorized transport: in many industrialized countries walking and cycling is associated with healthy and sustainable living and has seen a revival in cities. Once being viewed as an impediment to modernization, the potential of walking and cycling for better quality of urban life is now also recognized in the growing cities of the Global South. Furthermore, the need for integrated spatial and transport planning to create – or maintain compact cities and balanced rural settlement systems is increasingly recognized among policy makers, planners and the public. There are many more examples how innovative ideas and solutions “travel the world” and are adapted and applied in different environments. In several case studies, innovative sustainable approaches and solutions from different parts of the world will be presented. These approaches and solutions will be discussed from the background of the context they emerged, and whether and how they can be transferred and adapted to different mobility challenges. This is followed by a more in-depth analysis of the Indian situation, and how new solutions emerging from India can be applied elsewhere – and vice versa. Finally, participants will work on their own short-term project. Therefore, they will be presented different problem cases from in or around Warangal and will be asked to develop ideas and approaches to solve these problems in groups.

❖ Course Objectives:

The primary objectives of the course are as follows:

- i. Learning about innovative mobility solutions from case studies and methods of sustainable transportation planning
- ii. Understanding the context in which new ideas and technologies emerge, and how they can be adopted in different contexts
- iii. Creating skills in problem solving by applying knowledge to a real and concrete problem case

❖ International Faculty:

Dr. Angela Jain (PhD), research associate and lecturer at Technical University of Berlin and director “Infrastructure and Society” at nexus Institute Berlin, has her academic background in spatial planning and wrote her PhD dissertation on the topic of sustainably mobility. She works in international project contexts e.g. the Indo-German research project "Sustainable Hyderabad", funded by the German Federal Ministry of Education and Research (BMBF 2007-13) or “Governance and Participation in the Telangana Region” (2011-12), funded by the Foundation Friedrich-Ebert-Stiftung (FES), India. In 2016, she organized an Indo-German Smart City conference on behalf of BMBF, IGSTC and FICCI. Her research focus lies on social-innovation, sustainability research, Participation in sustainable mobility, urban development and local governance in the South Asian Context. Her areas of expertise are: Policy consultation and cooperation management in sustainable urban development and transportation, user-centric innovation and business opportunities in Smart Cities, participation and stakeholder involvement.

❖ Who can participate?

This program is open to the Faculty, Post graduate students, Field Engineers and Research Scholars working in the areas of Transportation Engineering / Transportation Planning / Highways from various Institutes. Civil Engineers working in Industries, Consultancy firms, R&D laboratories can also participate.

❖ How to Register?

Stage-1: Web Portal Registration:

Visit <http://www.gian.iitkgp.ac.in/GREGN/index> and create login User ID and Password. Fill up the blank registration form and do web registration by paying Rs. 500/- online through Net Banking / Debit / Credit card. This provides the user with life time registration to enroll in any number of GIAN courses offered.

❖ Stage-2: Course Registration:

Login to the GIAN portal with the user ID and Password already created in Step 1. Click on Course Registration option at the top of Registration Form. Select the Course titled “Sustainable Mobility and Transportation: Innovative Approaches and Solutions” from the list and click on Save option. Confirm your registration by clicking on Confirm Course.

❖ Registration Fee:

Faculty	Rs.2,000/-
Participants from Industry / Research Organizations	Rs.5,000/-
Students & Research scholars	Rs.1,000/-
Participants from abroad	US \$200

The above fee includes all instructional materials, computer use for tutorials, free internet facility, session tea and snacks.

Lodging and Boarding Charges:

Students : Rs.1,000/-
Industry/Faculty/Scientists :Rs.4,000/-

✦ Selection and Mode of Payment:

Selected candidates will be intimated through e-mail. They have to remit the necessary course fee to the Bank as per the details given below.

The participants from industry / research organizations / academic institutions will be provided with twin sharing accommodation on payment basis in the Institute Visitors' Block subject to the availability. Students from other institutes will be provided accommodation in Student Hostels, on payment basis

Account Name	GIAN NITW
Account No.	62447453600
Bank	State Bank of India
Branch	REC Warangal (NIT Campus)
Branch Code	20149
IFSC	SBIN0020149
MICR Code	506004011
SWIFT Code	SBININBB018

Candidates registering early will be given preference in short listing process. For any queries regarding registration of the course, please contact the course coordinators:

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About GIAN Course:

Ministry of Human Resource Development (MHRD), Government of India (GoI) has launched an innovative program titled "Global Initiative of Academic Networks (GIAN)" in higher Education, in order to garner the best international experience. As part of this, internationally renowned Academicians and Scientists are invited to augment the Country's academic resources, accelerate the pace of quality reforms and elevate India's scientific and technological capacity to global excellence.

✦ About the Institute and Warangal:

National Institute of Technology, Warangal (NITW) formerly known as RECW is the first among thirty one NITs set up in 1959. Over the years, the Institute has established itself as a premier Institution in imparting technical education of a very high standard, leading to B.Tech, M.Tech, M.Sc., M.B.A., M.C.A. and Ph.D. programs in various specializations of Science and Engineering streams. Warangal is known for its rich historical and cultural heritage. It is situated at a distance of 140 km from Hyderabad. Warangal is well connected by rail and road. National Institute of Technology, Warangal campus is 3 km away from Kazipet railway station and 12 km away from Warangal railway station.

✦ About the Department

The Department of Civil Engineering offers B.Tech programme in Civil Engineering, 7 M.Tech programmes including Transportation Engineering and PhD programme. The Department is a recognized QIP centre since 1978. The Department has well established and well equipped laboratories. The Department has experienced faculty engaged in teaching, research, capacity building activities and industry extension services. Faculty members represent several policy making and professional bodies. The Department has liaison with reputed industries and R&D organizations.

Transportation Engineering Division was introduced in the year 1968. This is the first Institution in India to have started a full-fledged M.Tech Degree Program in Transportation Engineering under able guidance of Prof. Martin Ekse of Washington State University, USA, Prof. V.V. Sylyanov of Moscow Automobile and Road Construction Institute, USSR, and other distinguished experts in India.



Five Days GIAN Course on

Sustainable Mobility and Transportation: Innovative Approaches and Solutions

December 10-14, 2018

Call for Registration and Participation

International Faculty

Dr. Angela Jain,
Mobilities Research Cluster,
Technical University Berlin, Germany

Course Coordinators

Prof. CSRK Prasad

Dr. K.V.R. Ravi Shankar

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