

# **INSTITUTE OF INFRASTRUCTURE, TECHNOLOGY, RESEARCH AND MANAGEMENT**

## **INVITED TECHNICAL TALK (31<sup>st</sup> January 2020)**

**Speaker:** Mr. Amit Doshi, Head – Logistics Capacity Planning, Dubai Airports, Dubai

**Title:** Overall project life-cycle impacts of decisions made by a civil engineer during the design and construction stages

**Date:** 31<sup>st</sup> January 2020

### **Bio-sketch of Mr. Amit Doshi**

Mr. Amit Doshi is currently Head – Logistics Capacity Planning Department at Dubai Airports. Mr. Amit is a Civil Engineer (MEng-Highways and Transportation) by profession with over 14 years of professional experience in both public and private sectors predominantly in domain of Transportation, Logistics, and Airports. He has a passion for improving operational efficiency and exhibits great ability to break problems down to solve the wider picture. Mr. Amit has expertise in Aviation Logistics, Network/Junction Improvement, Junction and Highway capacity analysis, Road design, Road safety engineering, Baggage Handling, Airport Masterplan Support, Travel Demand Modelling and Transport Masterplans, Traffic Management Plans, Traffic Circulation Studies, Landuse planning, Public Transport Studies, Cargo Operations, Support Facilities, Transport Strategy Development, Project management, Data Mining/Slicing/joining, Business Support Analysis, Kerbside layout developments, Pedestrian demand analysis, Parking design and Traffic operations and analysis. He has worked on projects in several countries including most of the MENA region, South Asia, UK, and Turkey at planning, designing and implementation stages.

### **Abstract of the Invited Talk**

Talk by Industry expert Mr. Amit Doshi was organised by Department of Civil Engineering, IITRAM at the Institute on 31<sup>st</sup> January 2020. Mr. Amit delivered an excellent talk on the impact of decisions taken during design and construction of Infrastructure projects to B. Tech, M. Tech and Ph.D students of Department of Civil Engineering, IITRAM. The talk covered the important aspects related to the project planning, design and execution such as identifying key stake holders, data collection related to as-built drawings and site investigations, clarity on scope of work, planning of early solutions and accurate cost estimates. The deliberations also covered issues related to understanding the Project Life Cycle; Health, Safety and Staff Welfare, Economic, Social and Environmental Sustainability, Risk Assessment, Regulations and prevailing standards as well as the need for Cost Benefit Analysis. The other aspects related to success of project such as a proactive Procurement Methodology, robust Project Governance and Project Management Plan, Concept Design, Appointment of a Qualified Principal Engineer/ Designer, Appointment of a Qualified Contractor and importance of Handover of project by contractor / Takeover of project by client were discussed with numerous examples. The talk gave an industry perspective to the students on various aspects (with real project case studies) to be considered by a planner, designer, contractor and other stake holders during the project life cycle. Overall the deliberations were highly appreciated by all the students and provided a great insight to them for having a bird's eye view during decision making process.



Some Glimpses of the Invited Talk

Report edited by: Dr. Kannan Iyer, Assistant Professor, Department of Civil Engineering, IITRAM

Photographs courtesy: Students and Faculty, Department of Civil Engineering, IITRAM