| EWC | Transportation Engineering |
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| 351 | 4.00 Credits. 4 Hrs/Wk |
| | Introduction to transportation engineering, geometrical design of highways, element of design, cross-section elements, curves and sight distances. Introduction to intelligent transportation system. Transport planning, concepts, scope and hierarchy, process, goals and objectives, inventories, socio-economic activities, land use-transport interaction, travel demand forecasting. Introduction to pavement materials, flexible and rigid pavement: pavement components and functions. Traffic engineering: fundamentals of traffic engineering, vehicle and traffic characteristics, traffic control devices and systems. |