

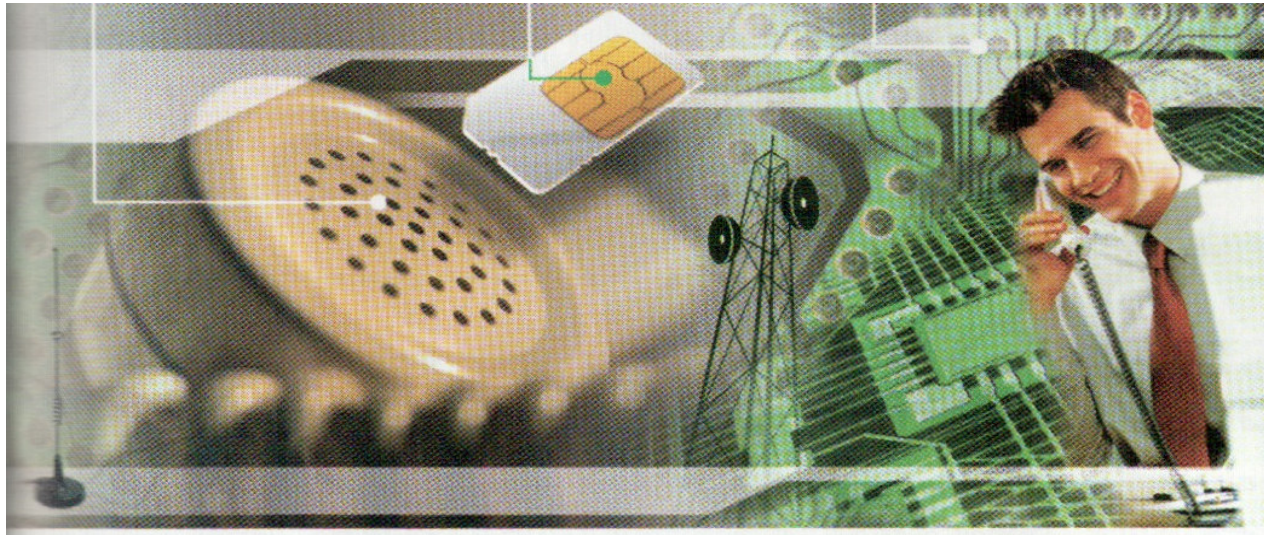


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AERONAUTICAL TELECOMMUNICATION NETWORK

Workshop Duration : 5 Days

Understand the Convergence of IT & Telecom with Aviation Sector

Present Aviation Systems

Need for Changeover to New Systems

Concept of Free Flight

Overview of Communication, Navigation, Surveillance (CNS)

Overview of Air Traffic Management (ATM)

(CNS - ATM) - Modernization of Aviation Infrastructure

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CNS - ATM Capabilities

Building Blocks of CNS

Communications Technologies

VHF ACARS, VHF VDL, CPDLC, IRIDIUM

Aeronautical Telecommunications Network (ATN)

Navigation Technologies

GPS, GLONASS, GALILEO, SBAS - WAAS, GBAS - LAAS, ABAS

Surveillance Technologies

PSR, SSR, ADS, ADS-B, ADS-A, TCAS - ACAS

Air Traffic Management (ATM)

Need for change due to Traffic Growth

Components of ATM

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Gate - To - Gate Scenarios (Managing the Airspace)

Air Traffic Flow Management (ATFM)

Overall CNS - ATM Infrastructure Functional Blocks

Worldwide Aviation Technology Developments

Next Generation Air Transportation System (NGATS)

For Trainer Profile, Please visit - <http://www.sanjeevgoel.in>

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