INFORMATION TECHNOLOGY & ITS ROLE IN e-GOVERNANCE

A PRESENTATION BY

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WHAT IS GOVERNANCE?

• PROCESS OF DECISION MAKING

• PROCESS BY WHICH THE DECISIONS ARE IMPLEMENTED

• PROCESS OF REVIEW & MONITOR

• CONTROL
WHO RUNS THE GOVERNMENT?

OFFICERS/EXECUTIVES/MANAGERS
WHAT IS THE MOST IMPORTANT CONTRIBUTION THE OFFICERS/EXECUTIVES/MANAGERS MAKE?

THEY MAKE DECISIONS!

DECISIONS ARE MADE BASED ON?

INFORMATION
DECISION MAKING IN A DEPARTMENT

STIMULUS

WHERE DO WE REQUIRE INFORMATION?

DO WE REQUIRE ANYTHING OTHER THAN INFORMATION?

PROFESSIONAL EXPERIENCE

INFORMATION RESOURCES

CONCEPTUALIZATION

RE-EVALUATE OBJECTIVES

SEEK ALTERNATIVES

GATHER DATA

RESULT

DECISION

IMPLEMENTATION
WHAT IS ESSENTIAL FOR DECISION MAKING & IMPLEMENTATION?

INFORMATION

COMMUNICATION
WHAT IS INFORMATION?

Entity
Attributes
Present Value
Fact
Data
Information
WHAT IS INFORMATION TECHNOLOGY?

DATA STORAGE

DATA PROCESSING

DATA TRANSFER
WHAT DOES INFORMATION TECHNOLOGY MEAN FOR A MANAGER?

IT MEANS FREEDOM FROM

1. PLACE

2. TIME and

3. PERSON
IT DRIVEN TECHNOLOGICAL DEVELOPMENTS

EPOS
EFTPOS
Money Transaction Systems
CD ROM
Smart Cards
Bar Codes Devices
RFID Devices
AM Devices
THE COMMUNICATION ANGLE

E-MAIL
INTERNET
INTRANET and EXTRANET
LANs and WANs
VPNs
GPS
BLUE TOOTH
Wi-Fi
WiMAX
FUTURE ROLE OF IT IN BUSINESS

UBIQUITOUS COMPUTING:

Handwriting Recognition
Voice Recognition,
Tablet PCs,
PDAs,
WiFi Hotspots

LOCATION INDEPENDENCE:

GPS,
GPRS (General packet radio service)

3G, 4G
THE INDIAN
CYBER CRIME
SCENARIO
WHERE INFORMATION SECURITY THREAT COMES FROM

- Employees: 43%
- Former Employees: 28%
- Partners/Suppliers: 17%
- Others: 12%
$129 MILLION OR Rs. 650 CROR WAS THE SIZE OF ENTERPRISE INFORMATION SECURITY MARKET IN 2008 AND IS EXPECTED TO GROW BY 10.5 % EVERY YEAR
WHAT THE INFORMATION SECURITY THREAT CAUSES?

- **42%** FINANCIAL LOSSES
- **35%** IPR LOSSES
- **23%** OTHER LOSSES
IS INFORMATION AN ASSET?
YES!

Over 70% of the market capitalisation of Fortune 500 companies is attributed to their information assets.
Are we being paranoid?

NO

Fortune 100 companies lost US$ 85 billion last year as a result of information theft
THANKS