



IT Governance Profession in India

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Content Outline

- ▶ Size of the pie
- ▶ CISAs – Services Basket
- ▶ Growth drivers

Size of the pie

The Indian IT Landscape

From 1 to 14%:

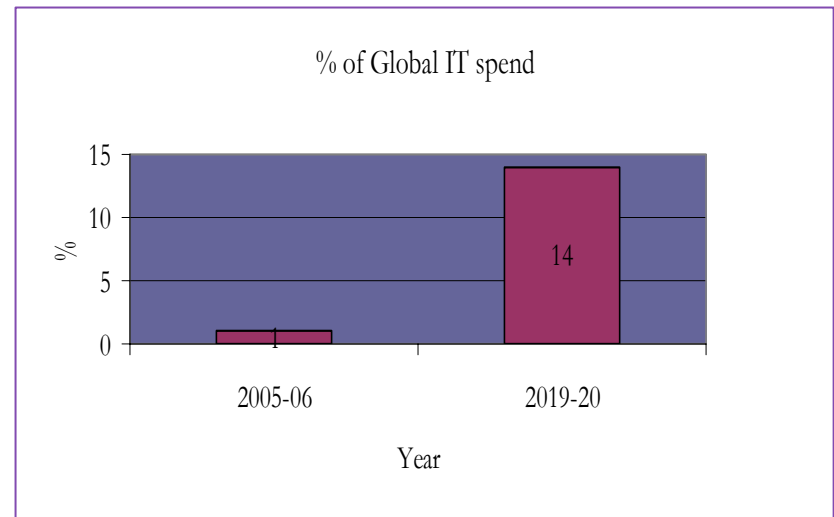
- 2005-06 → India accounted for 1 % or \$ 23.6 Bn of World IT spend
- By 2020 → India will account for 14 % or \$ 330 Bn of World IT spend (estimate)

Growth in Indian IT Budgets:

- 2007 & 08 Indian Companies 16.2 %
- Global Companies 3.2 %
- 2009 there will be a sharp fall to 5.52% from 13% in 2008

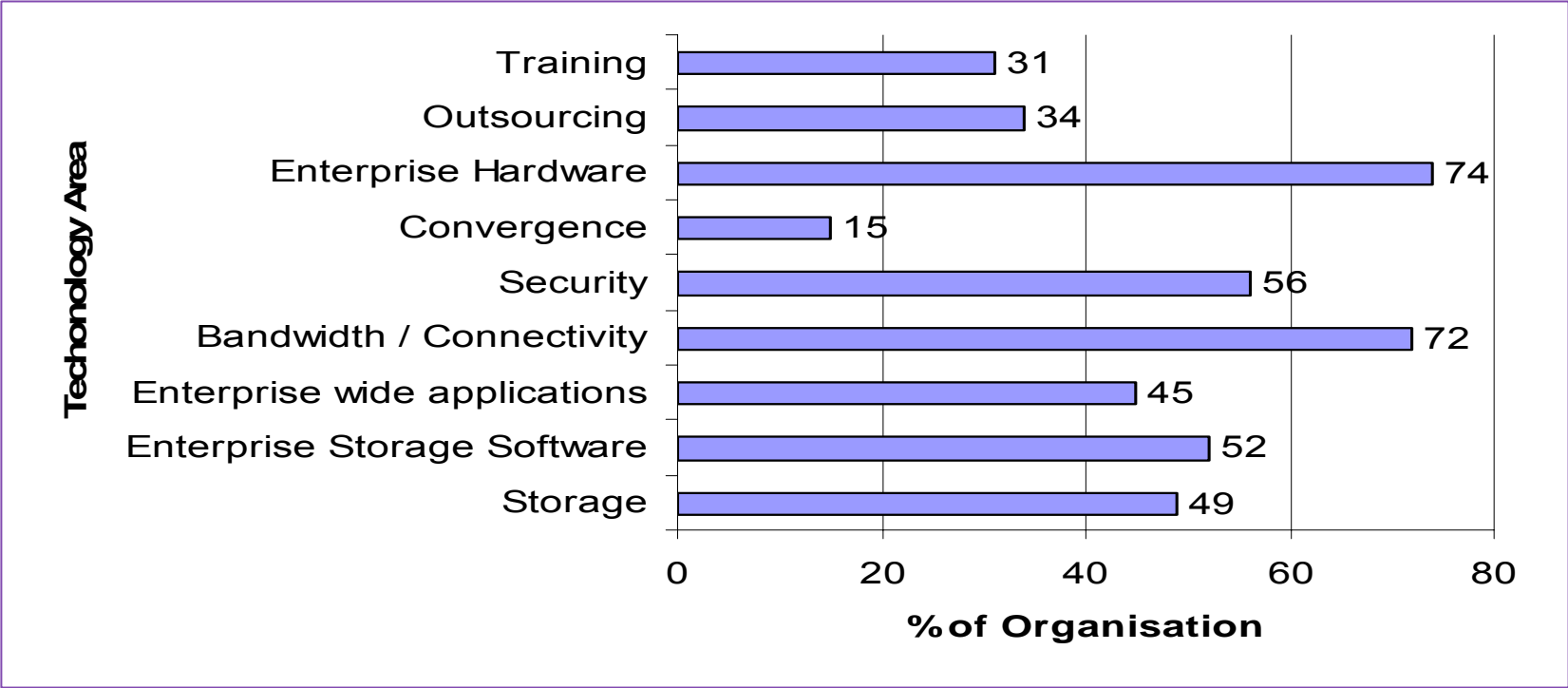
SME IT investments:

- Average IT budget - FY2005-06 INR 38.6 Mn
- Average IT budget – FY 2006 -07 INR 54 Mn



E-governance initiatives of Gol and State Govts have accelerated the growth of IT Consulting & Software industry

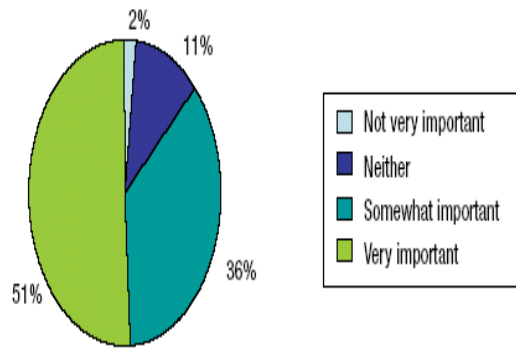
Technology areas invested by India Inc.



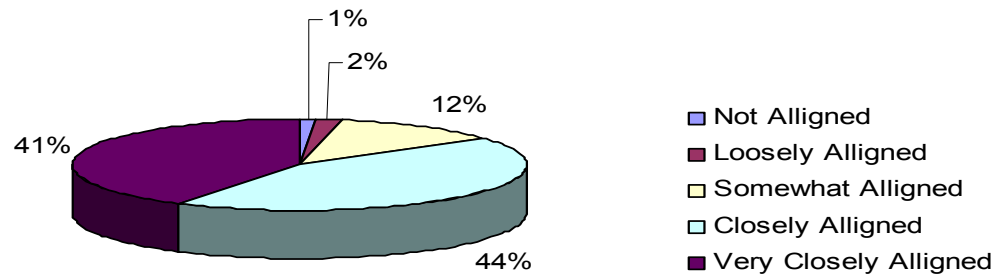
Source : Network Magazine India - Base Organizations : 328

IT - The Business Enabler

Figure 1—Contribution of IT to Delivery of Business Strategy



Alignment of IT with Business Goals



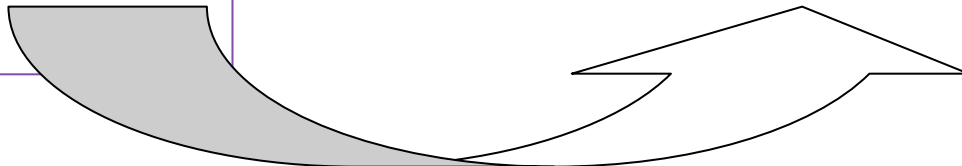
Evolution & Presence of IS Auditor in India

Evolution of Indian IS Auditor

IS Audit Presence in India

- Pre-Y2k:: Focus on EDP audits
- May 2000:: IT Act passed by the Indian Parliament & Digital signatures accorded legal sanction
- RBI directive Annual Computer Audits and recognition of CISA
- CERT In launched by the Dept of IT
- NSE/BSE directive on half-yearly information security certifications
- Software piracy cases by Oracle/Microsoft
- Architecting IT Governance

- 82,000 ISACA members globally, Asia has 20,000
- 10 ISACA Chapters in India out of 175 Chapters globally
- IS Audits are also conducted by the practicing chartered accountants through the ISA and Software companies, Govt. agencies such as STQC and large IT Consulting firms
- Major clusters of IS Audit expertise in Mumbai, Bangalore, Delhi, Hyderabad & Chennai
- 25 medium to large sized players in the IS Audit field in India



Evolution of Indian IS Auditor

Source: Grant Thornton International. All rights reserved.

Figure 20—Relationship of IT Governance to Enterprise Governance

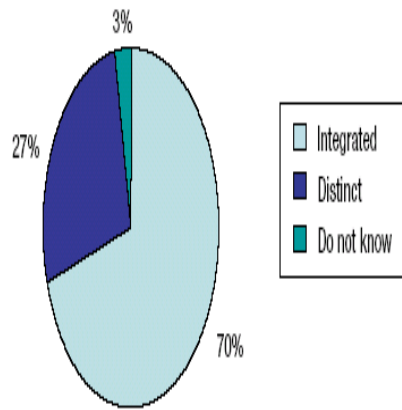
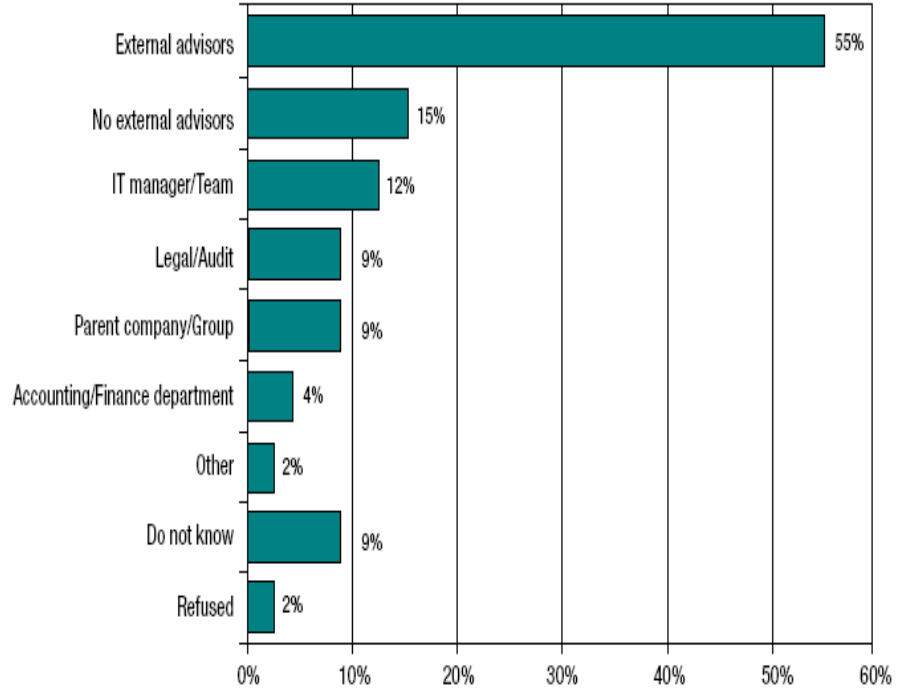


Figure 19—Sources of IT Governance Guidance



CISAs Services Basket

IT Governance....

“**IT governance** is the responsibility of the board of directors and executive management. It is an integral part of enterprise governance and consists of the leadership and organisational structures and processes that ensure that the organisation’s IT sustains and extends the organisation’s strategies and objectives.”

ITGI, Board Briefing on IT Governance

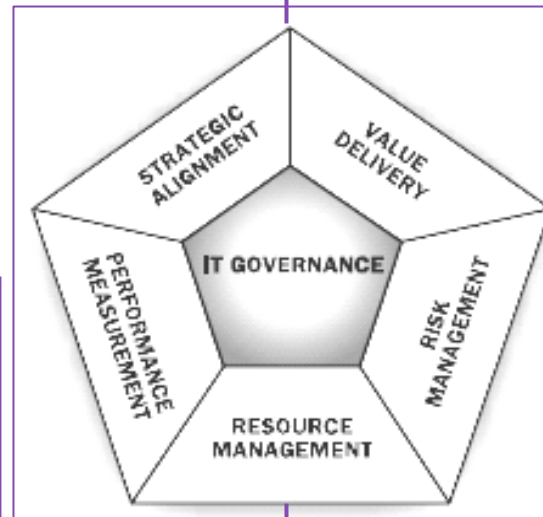
CISAs – Services Basket

IT Governance

- IT Strategy, Plan & Budget
- IT Risk Management
- Information Assurance
- Business Resilience
- IT Project Delivery
- COBIT Implementations
- Policy & Procedure

Compliance

- IT Act
- Software License
- PCI regulations
- HIPAA
- SAS 70
- NSE/BSE , RBI, NSDL, IRDA, SEBI
- Sox/Clause 49



Data Security

- Application Reviews/Post Implementation Audits
- Data center/e-commerce
- Vendor/Outsourced activities
- ISO 27001
- Data Purging reviews
- SOP

Special

- Assistance in Solutions search & ROI assessments
- IT Compatibility due diligence
- Post merger integration assistance
- Digital forensics/investigations

Growth drivers...

- Changing power equations from West to East
- Convergence of Processing, Storage & Software
- Profit through differentiation/innovation
- Security still remains amongst the top IT spends in India and globally
- The Union Govt. has launched specific initiatives such as NDMA, website audits of public sector units, etc which have provided strategic direction and emphasis to IS Audit professionals *in light of the Security Threat Perception & Reality*

THANK YOU!

Huzeifa Unwala is a Director in **Business Risk Services** practice of **Grant Thornton** with more than 10 years experience including Risk Consulting. The views expressed are personal and do not reflect the views of the firm.

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