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## **E-Learning Implementation Strategy for ICT-Challenged Environment**

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# E-Learning Implementation Strategy for ICT-Challenged Environment

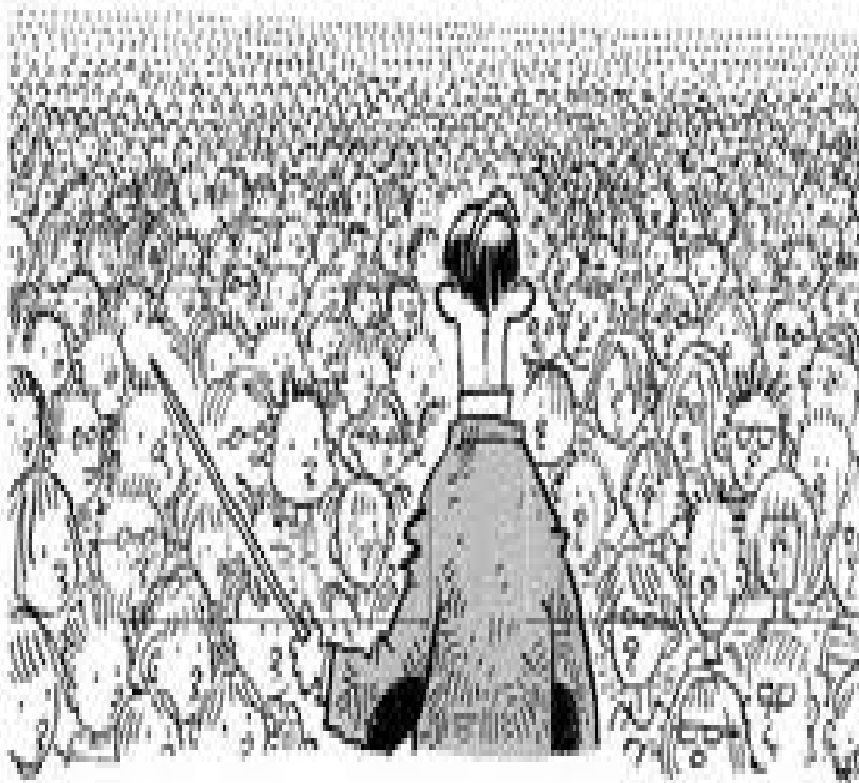
**School of Education Colloquium  
Presentation by  
Isaiah T. Awidi**

# Main aim of the study



- When, Where and How
  - Workable e-learning implementation strategy

# Background/Significance of research

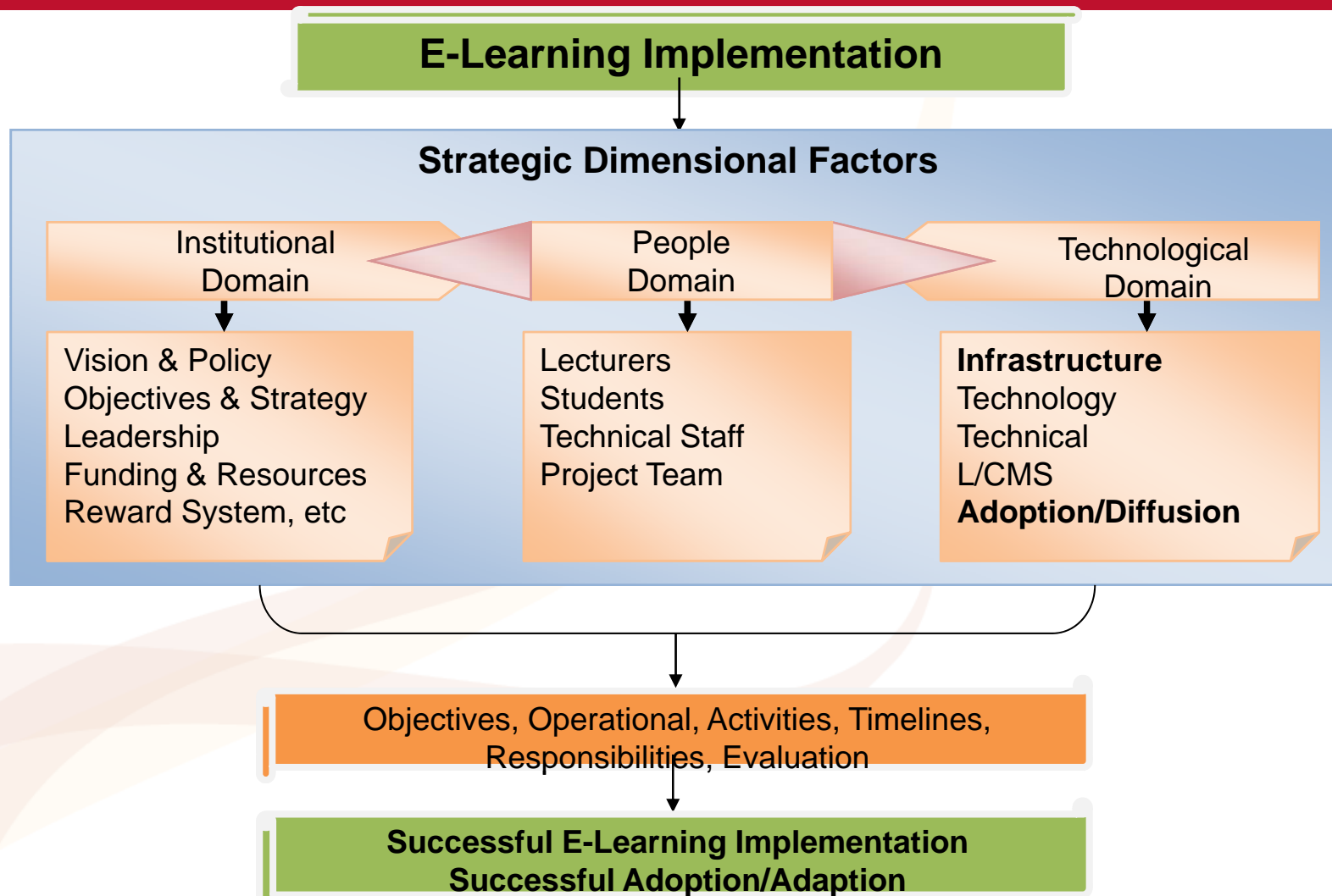


Background



Context

# Literature and Conceptual Framework



# Research Design

Literature

Theoretical Concepts and Institutional Experiences

Research Instrument

Interviews

Survey

Documentation

Observation

Research Questions

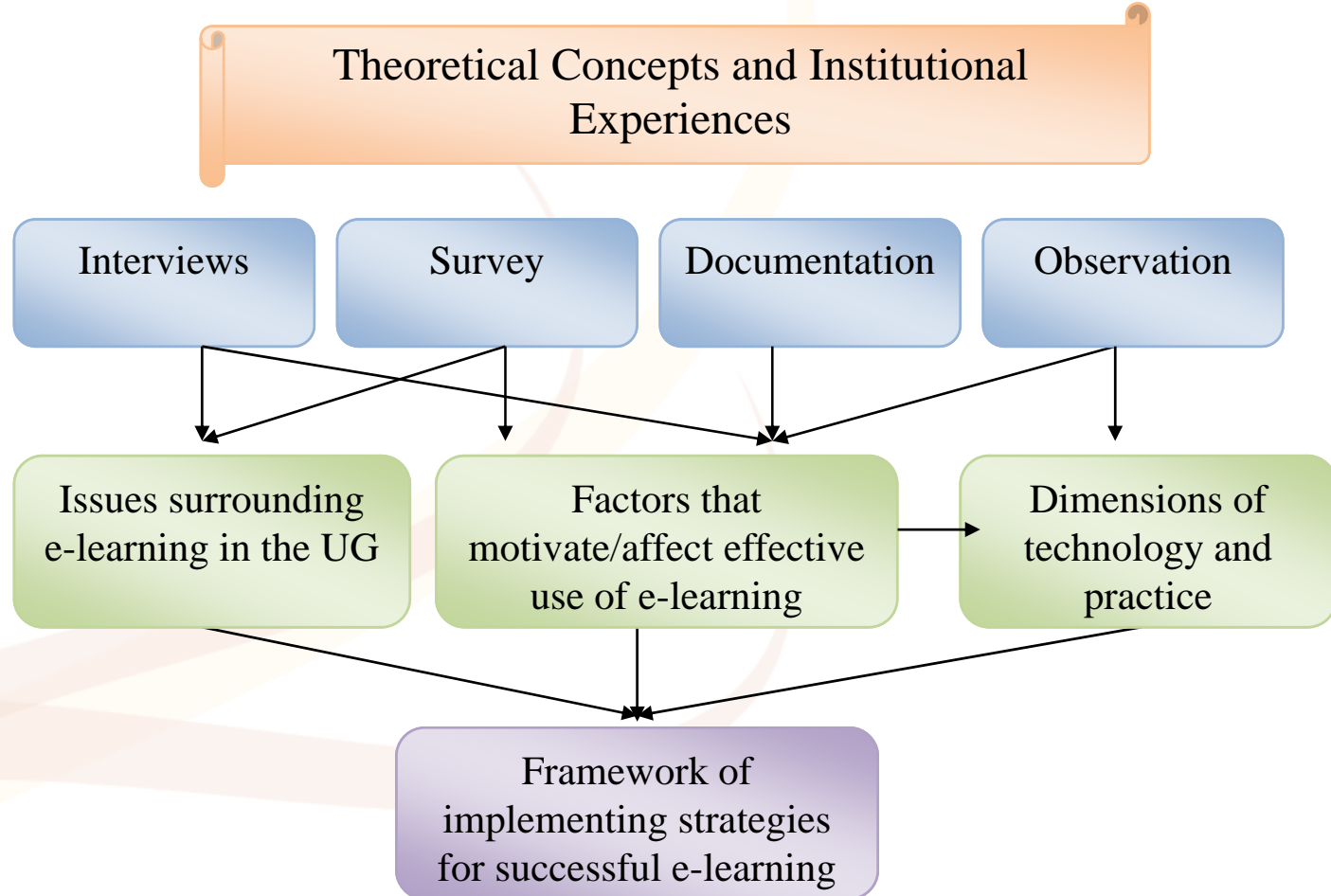
Issues surrounding e-learning in the UG

Factors that motivate/affect effective use of e-learning

Dimensions of technology and practice

Proposed Framework

Framework of implementing strategies for successful e-learning



# Research Methodology

Participants	Sample	Instrument	Period - 2010
Students		Mixed Mode	March/August
- Science & Engineering	12	2 Focus Groups	
- Humanities	12	2 Focus Groups	
- Survey	236	Questionnaire	
Lecturers	26	Questionnaire	March/August
HODs & Lecturers	18	Interviews	March/September
Deans of Faculty	6	Interviews	May/September
Management			
- Central Administration	2	Interviews	May/September
- ICT Managers/Unit Heads	5		
- ICT Consultant/Managers	3		
Technical Staff	12	Interviews	May/August
Stakeholders	4	Interviews	June/September

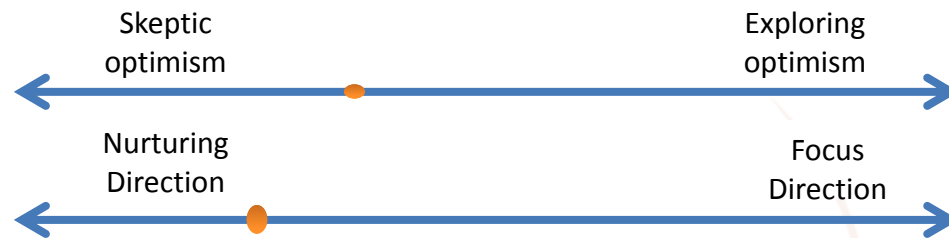
# Main Findings – Issues & Motivational Factors

Knowledge and Acceptance	Approach from adoption to adaption	Participation and Diffusion	Motivations for Success
<ol style="list-style-type: none"> <li>1. Good Rationale for e-learning.</li> <li>2. Inadequate users and institutional understanding of e-learning</li> </ol>	<ol style="list-style-type: none"> <li>1. Lack of institutional policy and plan.</li> <li>2. Poor ICT skill and competencies</li> <li>3. Poor institutional channels of communication</li> </ol>	<ol style="list-style-type: none"> <li>1. Lack of clear institutional principle &amp; priority</li> <li>2. Poor engagement initiative efforts</li> <li>3. Lack of User confidence in institutional support</li> </ol>	<p>Expectations of Management; Competent support staff; Adequate resources; improved communication and social systems</p>
<p>Poor - perception of ICT infrastructure; Access to resources</p>	<p>Poor – access to computers; connectivity, speed; bandwidth &amp; reliability</p>	<p>Poor skill and competencies; Reliability and Scalability of infrastructure</p>	<p>Relative advantage and reward system; Training &amp; pedagogical concerns</p>
<p>Good awareness of government provisions &amp; collaboration</p>	<p>Institutional capacity; initiative, support &amp; actual use of ICT resources</p>	<p>User and institutional readiness to adapt &amp; change</p>	<p>Conditions and Capabilities</p>



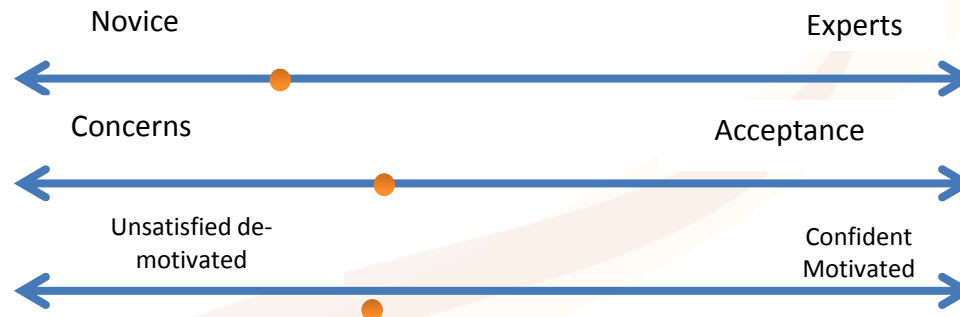
# Discussion of Findings – Identified Dimensional (D) Factors

- **Institution & Management D-factors**



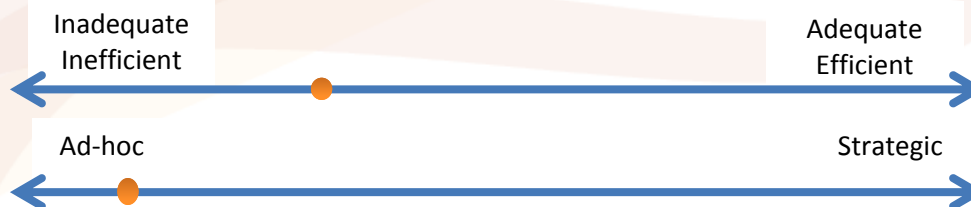
- Optimism
- Leadership, Policy & Strategy

- **People Domain D-factors**



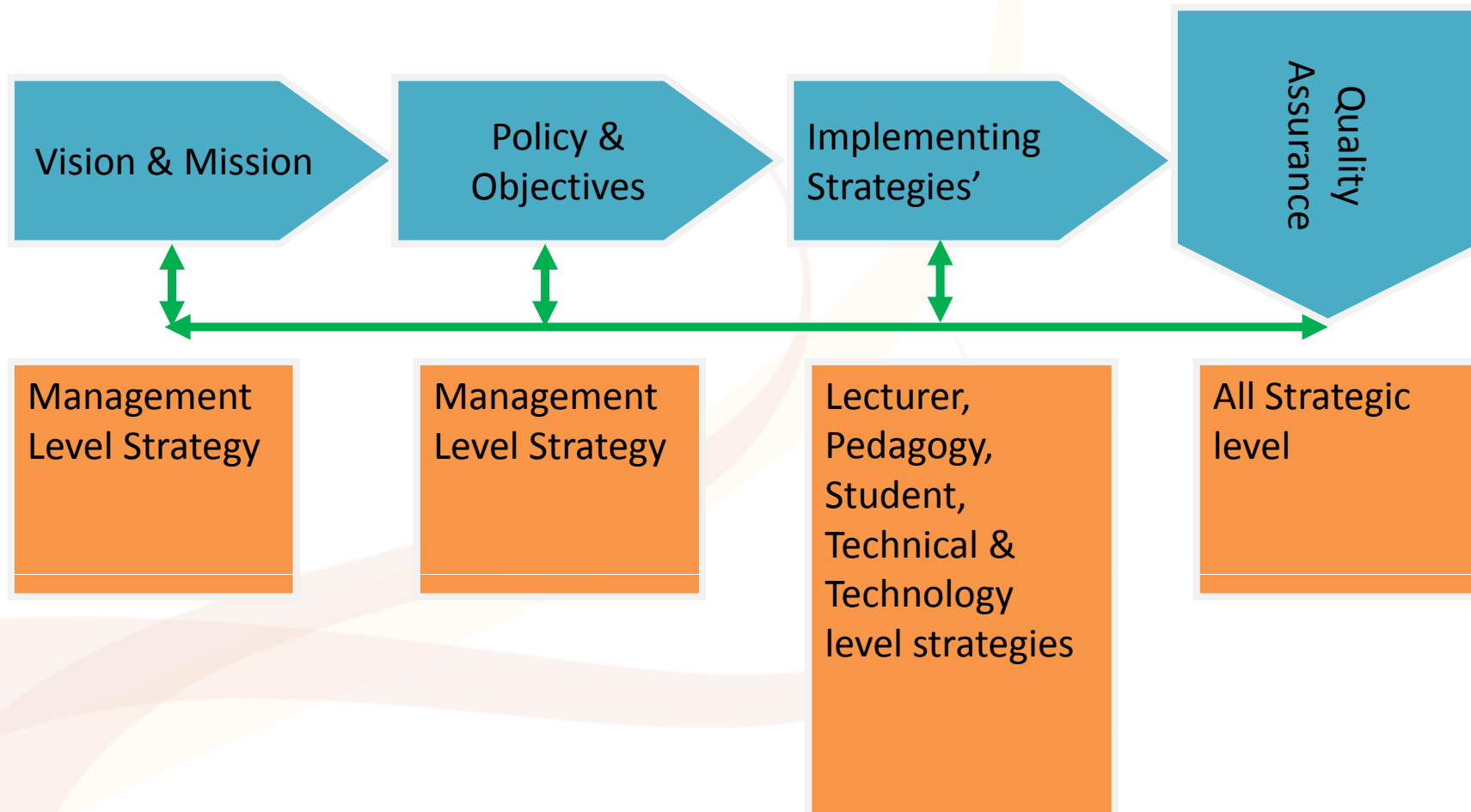
- Skill and Competencies
- Readiness and Acceptance
- Institutional Capacity

- **Technological Domain D-factors**



- Physical and Technical Infrastructure Readiness
- Management and policy for e-learning

# Proposed E-learning Implementation Strategy



# Conclusions and Recommendation



# Acknowledgement/Question

*Thanks!*