SNS COLLEGE OF ENGINEERING

Kurumbapalayam(Po), Coimbatore – 641 107

Accredited by NAAC-UGC with 'A' Grade

Approved by AICTE, Recognized by UGC & Affiliated to Anna University, Chennai

Department of Information Technology

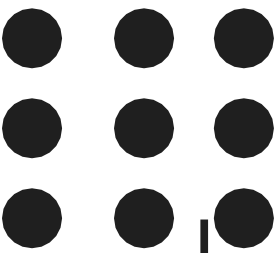### Course Name – 19IT503 Internet of Things

III Year / V Semester

Unit 5 – DESIGN METHODOLOGY AND FUTURE TRENDS

Topic - Operational Requirements

Network Operator Requirements

Network Operator Requirements
To address the limitation of SNMP and plan for future enhancement Internet Architecture Board (IAB) provides the following requirements .

• Ease of use
• Distinction between configuration and state data

• Fetch configuration and state data separately

• Configuration of the network as a whole

• Configuration transactions across devices

Network Operator Requirements

- Configuration deltas

- Dump and restore configurations

- Configuration validation

- Configuration database schemas

- Comparing configurations

- Role-based access control

- Consistency of access control lists

- Multiple configuration sets

- Support for both data-oriented and task oriented access control

THANK YOU