

Topic 0: environmental, engineering, systems, engineers, projects

- Engineering Engineering is a profession that applies mathematics and science to utilize the properties of matter and sources of energy to create useful structures machines products systems and processes (Davis and Cornwell )

Topic 1: truck, decisions, decision, technical, trucks

- Sometimes these decisions turn out to be poor and or not appropriate

Topic 12: act, management, waste, solid, guidelines

- operated solid waste (garbage) collection program

Topic 8: investment, return, irr, projects, internal

- If a project is planned an estimate of the benefits derived is compared in ratio form to the cost incurred

Topic 2: nepal, engineers, nepalese, council, association

- There are three levels of environmental study in Nepal as per project size

Topic 11: beds, hospital, hotels, resort

- Hospitals from beds up to beds

Topic 10: nepali, rupees, plant, upto, hydropower

- f Solar power plant upto MW Hydropower upto MW

Topic 9: professional, members, seen, responsibilities, monitor

- Produce and monitor the professional code of conduct

## Topic 5: units, quantity, dimensions, values, simply

- Values Units and Dimensions A quantity is described by values and units

## Topic 3: density, concentration, mass, solution, unit

- For example a river discharge of  $\text{m}^3/\text{s}$  a sand particle of  $\text{mm}$  snow mass of  $\text{kg}$  in the Himalayas

## Topic 4: flow, rate, volume, volumetric, mass

- Flow (discharge) rate The flow rate can be expressed as volume of the liquid per unit time

## Topic 13: time, retention, container, average, fluid

- Hydraulic Retention Time One of the most important concepts in treatment processes is retention time also called detention time or even residence time

## Topic 14: costs, mayor, billion, ask, highly

- She would recognize the highly variable nature of land costs construction costs coverage of the municipality as it extends to rural areas as well required treatment efficiency etc