

### Topic 3: professional, professionals, clients, expert, independent

- INTRODUCTION Profession Profession is an occupation that requires advanced training in the liberal arts or sciences and mental rather than manual work (Davis and Cornwell )

### Topic 9: benefit, structures, systems, society, constraints

- 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 6: environmental, engineering, public, welfare, protect

- If the tasks performed by environmental engineers were examined it would be found that the engineers deal with the structures equipment and systems that are designed to protect and enhance the quality of the environment and to protect and enhance public health and welfare

### Topic 10: project, product, implementation, impacts, engineering

- Any engineering project large or small a product being designed or a services to be provided encompasses within its implementation a series of decisions made by engineers

### Topic 1: risk, risks, people, imposed, smoking

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

### Topic 2: technical, decisions, engineering, engineers

- A far greater number of decisions however made hundred of times a day by hundreds of thousands of engineers are correct and improve a lot of the human civilization protect the global environment and enhance the integrity of the profession

### Topic 11: analysis, cost, questions, landfill, trucks

- Engineering decisions Engineering decisions could be based on () technical analysis () cost effectiveness analysis () cost benefit analysis () risk analysis () environmental impact analysis and () ethical analysis

Topic 0: design, environmental, pollution, water, operate

- Just as we recognize there is no single perfect work of art such as painting or a fashion design there is no perfect road or a water treatment plant

Topic 8: ethical, theories, values, focuses, conflict

- look alike (Vesilind and Morgan )

Topic 5: investment, projects, rate, irr, return

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

Topic 7: risk, resources, analysis, health, potential

- When life and health enter benefitcost calculations the analyses are generally referred as riskbenefitcost analysis to indicate that people or resources are at risk

Topic 4: professional, sophen, members, nepal, international

- In Nepal Society of Public Health Engineers (SOPHEN) is an association working the sector