

SWE: An engineering discipline of early stage of system specification, sw production, the theories & enthals

Why does SWE important? 1. Relying on complex SW -

2. Cheap in the lay run changing is expensive

Activities SWY Process

specification defines (const

Development

SW Validation ides it

SW End tim reflect

reliable & frustage thy

took essential attilities / Maintainability: considering evolve

2. Dependability & Security no dange & toil

3. Efficiency: No reste resource (responsioness, memory)
processing time

4 Acceptability: understandable, usable and compatibile

Lisves

! Heter-geneity : a variety of devices

2 Changing : Business & society is changing

3. Security & Inst

SW products

1. Generic products Stand-alone, PC-sav

Comissioned by a specific custome as 2. Customized "

Ethics & Roponsibility

1. Confidentiality

2. Lompe tence : No nistepresent

3. Intellectual property rights