



VIDEO SURVEILLANCE

CNZ

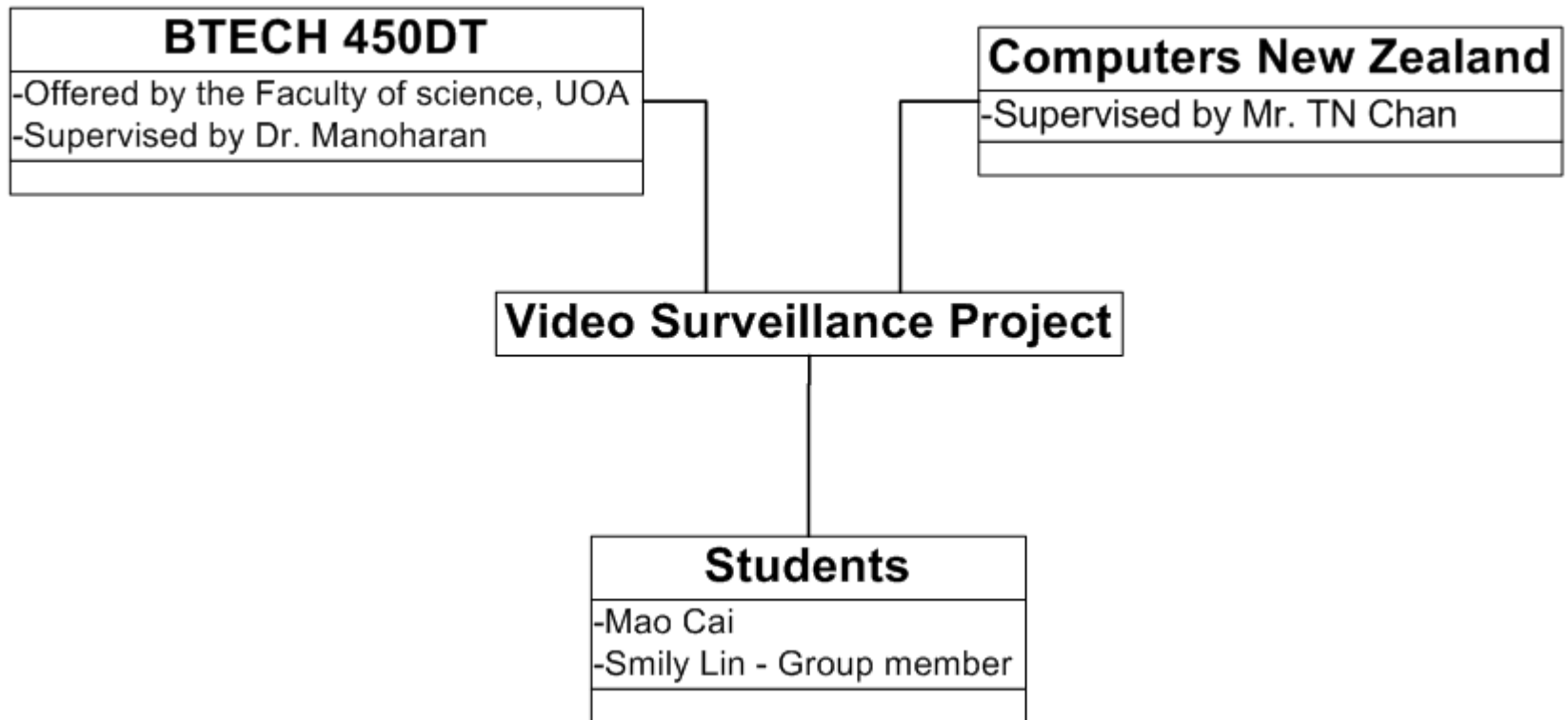
An introductory presentation

Overview



Organizations

Two organizations and two individuals are involved in the project.



Computers New Zealand

Computers New Zealand (CNZ) is a total information system and solutions provider

- provides IT consulting advice, hardware platforms, software and support services.

CNZ is focussed on 2 solutions :

- Information Systems
- Video Surveillance Systems
 - CNZ has researched into IP based video surveillance technology and has commercialized successfully.



Project description

Video Surveillance – a wide range of contents

- CCTV & IPVS two technologies
- Different devices and implementations

This project is research based, divides into a few parts

- Research on fundamentals – technologies and hardware
- IPVS system installation and configuration
- Research on IPVS related topics – Ethernet, POE etc.
- Programming – NVR and video analytics applications
 - System control; motion analyzing etc.

 **Build a commercial (fully) digitized video surveillance system starting from scratch.**



Current work

Research on:

- Differences between IPVS and CCTV in terms of technology functions and hardware used
- Related hardware – IP cameras and analogue cameras



Digitized – easy, powerful

Planning

Term 1 – study on established technologies and products.

Term 2 – research and implementation (technologies in development) .

Session	Mao Cai	Smily Lin
1	Differences between IPVS and CCTV	
2	Differences between IP & Analogue Camera	
3	Connection to LAN and Internet & Storage	
4	Setup IP Camera	Setup Analogue Camera & DVR
5	Setup NVR	Setup NAS & DVR IP
6	Ethernet, PoE, Switches	Wireless & LAN
7	Review and Summarise	Review and Summarise

What can I gain

Valuable industrial/academic experience:

- Combination of hardware and software
- Convert a new technology to a commercial product
- Networks issues - More professional

Solve real life technical problems

Research, presentation and report techniques



Thank you

