Progress Report - Development

- Prototype Service Components
  - Service components for Video Conferencing and simple VoD services are in their raw form.
  - Encapsulated in COM for compatabilty with Microsoft Active X components including MPEG codec.
  - Exported as Dynamic Link Libraries
  - No event interface definition or monitoring capabilities.

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Computing Department

Progress Report - Development

- Winsock 2.0 API
  - Using FORE systems beta SPI with Winsock2 SDK Version 1.1 (Version 1.6 of the SDK is significantly different and does not work with the version of the SPI code we have)
  - Successfully point-point and multi-point connection setup.
  - Problems with QoS negotiation and maximum MTU size of a huge 7788 bytes !
  - Signed up on the Winsock Beta programme with FORE and should receive new code within this month.

Progress Report - Research

- Written two papers (contributing to deliverables)
  1. “A CORBA Compliant Real-Time Multimedia Platform for Broadband Networks” - looks at enhancing CORBA for continuous media support ; *accepted for TreDS 1996 Workshop, Aachen, Germany.*
  2. “Specifying QoS within Distributed Programming Environments” - looks at QoS specification techniques and concepts applicable to DPEs ; *entered for cost237 1996, Barcelona, Spain.*
- Electronic papers available from
  – http:\\munster2.lancs.ac.uk\projects\download\default.htm

or through links from the URI pages.

Progress Report - Research

- QoS Management
  - looking at the creation of multi-media services through bindings
  - examining in more detail the QoS management cloud in an attempt to clarify its functionality
  - also looking at the signalling requirements for resource reservation and admission in the network and end-system

….whilst bearing in mind scalability and flexibility