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| Be able to interpret solutions, including spare capacities.                            |  |  |  |
| <b>5. Critical Path Analysis</b>   |  |  |  |
| Be able to construct and use a precedence network.                                     |  |  |  |
| Be able to construct and interpret a cascade chart.                                    |  |  |  |
| Be able to construct and interpret a resource histogram.                               |  |  |  |
| Understand the use of alternative criteria in project optimisation.                    |  |  |  |
| Be able to crash a network.  |  |  |  |
| <b>6. Simulation</b>   |  |  |  |
| Know how to generate realisations of a discrete uniformly distributed random variable. |  |  |  |
| Be able to use random variables to model discrete non-uniform random variables.        |  |  |  |
| Be able to build and use simple models.  |  |  |  |
| Be able to interpret results.  |  |  |  |
| Understand the need for repetition.  |  |  |  |