
GLH Scheme: Unit 15 Software Development

Hour	Topic
1	Introduction to Unit 15: <i>Software Development</i>
2 - 5	Feasibility study structure and requirements. To include: <ul style="list-style-type: none">• The purpose of the system• Functional and non-functional requirements• Process constraints• The deficiencies of the current system• The user requirements of the new system• Recommendations for the development of the new systems.
6 - 9	Methods of investigation. To include: <ul style="list-style-type: none">• Interviews• Observations• Shadowing• Questionnaires• Document analysis• Record/document inspection.
10 - 14	Tools and techniques used in the design stage. To include: <ul style="list-style-type: none">• Data flow diagrams• Storyboards• Rich pictures• System flowcharts.
15 - 20	Tools and techniques used in logical data modelling. To include: <ul style="list-style-type: none">• Entity-relationship diagrams• Data dictionaries• Flowcharts• Decision trees/tables• Structured English.

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21 - 26	Physical design specification component parts. To include: <ul style="list-style-type: none"> • Hardware specification • Software specification • Input specification • Output specification • Implementation methods • Maintenance methods.
27 - 31	End-User documentation. To include: <ul style="list-style-type: none"> • Detailed program specifications • Recovery procedures • Operating procedures • User manuals • Test plans, data and logs • Security details • Version details.
32 - 50	Preparation of assessment material