**S4 National 5 Timeline**

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| Month | Unit | Content | HW/Assessment |
| AUG | Database Design and Development | * What is a database?
* Structure of a database including field types (all)
* Searching a database
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| AUG | Database Design and Development | * Sorting a database
* Validation – range, presence, restricted choice and field length
* Analysis –end user and functional requirements
 | Database HW 1 |
| SEP | Database Design and Development | * Relational V Flat
* Primary and foreign keys (entity and attributes)
* Data Dictionary
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| SEP | Database Design and Development | * Relationships and ER Diagrams
* SQL – Select clause with AND, OR, <, >, =
* SQL – Select order by with a maximum of two fields
 | Database HW 2 |
| SEP | Database Design and Development | * SQL – INSERT
* SQL – UPDATE
* General Data Protection Regulation
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| SEP | Database Design and Development | * SQL - equi-join between tables
* Describe and exemplify testing - SQL operations work correctly at this level
* Evaluate solution in terms of - fitness for purpose and accuracy of output
 | SQL HW 1 |
| OCT | Database Design and Development | * SQL booklet and Sample coursework Task on Database only
* SQL booklet and Sample coursework Task on Database only
* SQL booklet and Sample coursework Task on Database only
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| OCT | Database Design and Development | * SQL booklet and Sample coursework Task on Database only
* SQL booklet and Sample coursework Task on Database only
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| OCT | Database Design and Development | * SQL booklet and Sample coursework Task on Database only
* SQL booklet and Sample coursework Task on Database only
* SQL booklet and Sample coursework Task on Database only
 | SQL HW2 |
| NOV | Database Design and Development | * SQL booklet and Sample coursework Task on Database only
* SQL booklet and Sample coursework Task on Database only
* SQL booklet and Sample coursework Task on Database only
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| NOV |  | * Exam
* Revision of SDD,DDD and CS (exam type questions)
* Revision of SDD,DDD and CS (exam type questions)
 | Database Block Assessment |
| NOV |  | * Revision of SDD (exam type questions)
* Revision of SDD (exam type questions)
* Revision of SDD (exam type questions)
 | Revision for Prelim |
| NOV |  | * Revision of SDD,DDD and CS (exam type questions)
* Revision of SDD,DDD and CS (exam type questions)
* Revision of SDD,DDD and CS (exam type questions)
 | Revision for Prelim |
| DEC |  | PrelimDuring this time revision work can be attempted or practical work |  |
| DEC |  | PrelimDuring this time revision work can be attempted or practical work  |  |
| DEC | Web Design and Development Part 1 | * Websites – functions of browser hyperlinks and URL
* User requirements and functional requirements
* HTML Coding (Revision of S2 work on head,body, paragraph, img and lists)
* Internal and External hyperlinks and absolute and relative addressing)
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| JAN | Web Design and Development Part 1 | * Website design end-user requirements, effective user-interface design (visual layout and readability) using wire-framing:
* HTML Coding (Revision of S2 work on head,body, paragraph, img and lists)
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| JAN | Web Design and Development Part 1 | * HTML Coding (Revision of S2 work on head,body, paragraph, img and lists)
* Copyright Design and Patents Act
* Prototyping( low fidelity )
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| JAN | Web Design and Development Part 1 | * File formats including WAV, MP3 JPEG GIF and the need for compression
* HTML Coding DIV Audio and Video
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| JAN | Trial Coursework | * SDD section only for a Practice SQA Assignment
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| FEB | Trial Coursework | * SDD section only for a Practice SQA Assignment
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| FEB | SQA Assignment | * SQA Assignment
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| FEB | SQA Assignment | * SQA Assignment
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| FEB | SQA Assignment | * SQA Assignment
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| MAR | SQA Assignment | * SQA Assignment (extra time and mop up for absences)
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| MAR | Web Design and Development Part 2 | * Javascript Onmouseover and Onmouseout
* Superhero for Hire website
* Superhero for Hire website
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| MAR | Web Design and Development Part 2 | * CSS (internal and external)
* Selectors classes and IDs
* Implementation of — text: font (family, size) color alignment background colour
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| MAR | Web Design and Development Part 2 | * Linking external stylesheets
* Practical work on CSS
* Testing (matches user-interface design, links and navigation work correctly, media (such as text, graphics, and video) display correctly ,consistency)
* Evaluation – fit for purpose
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| APR |  | Past Paper Revision |  |
| APR |  | Past Paper Revision |  |