Coding Project Description: STUDENT AWARD CALCULATION SYSTEM

The **University of Gugsi, No where in Particular**, a single campus institution, which would like to develop a System to calculate the Student Awards to decide the final classification of the undergraduate students.

Students are expected to undergo three years of study to obtain an Undergraduate degree and in each year they are expected to obtain 120 credits. First year of study is known as Level 04 (L4), second year of study is known Level 05 (L5) and the final year of study is known as Level 06 (L6).

Student who obtain minimum of 360 credits is eligible for an Honors Degree but there are multiple exit qualifications are available as described below.

Student who has obtained 120 credits from L4 can exit with CertHE, similarly those who obtained 240 credits from L4 & L5 can exit with DipHE and those who couldn't obtain 360 credits but have completed 240 from L4 and L5 and only 60 L6 is eligible for non-honors degree.

I developed a Command Line Interface based System using Java for this and data was stored in files. The necessary reports can be generated such as, Final transcripts of the students, list of resits and retakes.

Course Structure

- All FT students will take **120 credits per academic year**, no more *(unless recovering failure as a module trailer, in which case they can take a maximum of 140 credits in a single academic year)* and no less *(unless they are unable to progress and are recovering failure as a module retriever).*

- All students (FT and PT) will take **120 credits per level**, no more *(unless recovering failure by way of retake or alternative modules, in which case they can take a maximum of 180 at each level – i.e. maximum 3 x 20 credits of retake)* and no less.

Condoned Credits

- A maximum of 40 condoned credits will only be awarded at L4 (not L5 or L6)
- If a student is eligible for more than 40 credits, the condoned credit will be awarded to the highest performing 40 credits. Where there are two or more modules with the same mark the Assessment Board shall determine which shall be condoned.
- To be eligible for a condoned credit a student must achieve an overall module mark of at least 30%
- condoned credit will be awarded after the **initial attempt** rather **than after referral**
- a Referral will not be offered where a module has been condoned, as a condoned module is regarded as having been passed and credit is awarded

Attempt Number

- Students to be offered a maximum of four attempts at each module:
  - Attempt 1 – First Attempt
  - Attempt 2 – Referral
  - Attempt 3 – Retake
  - Attempt 4 – Referral

Re-assessment – Referral

- The 30% threshold for students to be eligible for a referral has been removed - this will allow eligible students to be offered a maximum of four attempts at each module.
- Students will automatically be offered a referral opportunity provided they meet the following criteria:

  - a further attempt is permitted by these regulations; and

  - where the module failure being considered is at first attempt or at Retake (i.e. a Referral cannot be offered immediately following failure at Referral)
- The referral component mark will be capped at 40%

Progression (FT Students)

- Students may progress to the next level of study provided that they have passed **at least 100 credits** (including condoned credits) AND passed all modules which are a pre-requisite for core modules at the next level.

- If a student is referred / deferred or has a retake in the remaining 20 credits at that level, the student can still progress to the next level, and will be required to either retake the failed module *(module trailer)* or undertake the outstanding assessment(s) at the next assessment opportunity *(assessment only module trailer)*

Progression (FT Students)

- Students **who have not achieved 100 credits** at that level, or have not passed all modules which are pre-requisites for core modules at the next level **will not** be permitted to progress to the next level

- Students will have to recover their outstanding credits the following year either as retakes *(module retriever)* or as 'assessment only' referrals or deferrals, as appropriate *(assessment only module retriever)*

Exclusion

- A student may be excluded on academic grounds in **any** of the following circumstances:
  - Where a student has exhausted the maximum permitted number of attempts at a core module, or a module which is a pre-requisite or co-requisite of a core module
  - Where a student has exhausted the maximum number of credits that may be taken at the level
  - Where, following any referral opportunities, a student has failed more than 60 credits at the level
  - Where a student has exhausted the maximum period of enrolment

Award Calculation

- The algorithm for an Honours degree will be derived as follows:

  - an indicator score will be derived from the best 220 credits at L5 and L6 - L5 weighted one-third and L6 weighted two-thirds.

  - the worst performing 20 credit module at L5 or L6 will be dropped from the calculation

  - if the credit value of the worst performing module is more than 20 credits, the mark will be used but with a reduced credit volume

  - where there are two or more modules with the joint lowest mark, and the modules are at both L5 and L6, the L6 module shall be disregarded.

Award Calculation

- The mathematical outcome will determine the classification. The boundaries are as follows:

Indicator score	Classification
70 – 100	1st Class Honours (1)
60 – 69	2nd Class Honours Upper Division (2:i)
50 – 59	2nd Class Honours Lower Division (2:ii)
40 – 49	3rd Class Honours (3)

- there will be no further opportunity for discretion (mitigating circumstances should have already been taken into account at the module level, so it would be 'double counting' to make further adjustments at award level.)

Award Calculation

- **non-honours, Cert HE and Dip HE**:
  - In order for a classification of **Merit** or **Distinction** to be awarded in addition to achieving the relevant indicator score, **students must pass all modules at the first attempt**.