**Pupil Academic Tracking System (PATS)**

Overview

The proposed software MUST be compatible to computer running on Windows SSOE Specification.

The proposed software should serve as a tool for school to analyze, track and monitor the students’ results which are downloaded from School Cockpit System. The results should include CAs, SAs and PSLE.

The software should also enable the school to set Targets by subjects for every student based on their previous year results and project relevant Composite T-Scores similar to the PSLE.

Outlines

1. Data Conversion
   1. Convert data from School Cockpit System (Text Files)
   2. Convert PSLE Results from School Cockpit System (Posting Text Files)
2. Subject Grouping
   1. Band subject based on previous year results
   2. Allocate Subject Teachers to Groups
   3. Analyze Results based on Groups
3. Student Subject Base Banding (4S, 3S1F, 2S2F, 1S3F and 4F) based on the following criteria
   1. Overall Results
   2. Individual Subject Results
4. Pupil Grouping (Stick to Pupil throughout)
   1. Group Pupil based on profile to track (e.g. Foreign Pupils, Low Household Income etc)
   2. Analyze Results based on these Groups
5. Target Setting
   1. Analyze past years results to project trend for target setting
   2. Setup Subject Target based on previous year Results and project a Target T-Scores
   3. Able to set target and cascade downward to each pupil and each subject based on T/Scores to Achieve
6. Results Analysis
   1. Able to analyze each exam type form CA1 to Overall.
   2. Able to compute and analyze Cumulative Results for each Term (especially Term 3 after CA2) and determine difference between and target and actual results
   3. Able to Project School Exam Results into T/Scores
7. Reports
   1. Individual Pupil Profile
      1. Target Marks for each subject
      2. Overall Marks and Projected Target T-Scores
      3. Results since P1
   2. Analysis by Level & Class
      1. Overview (Grade Distribution, Ave, Max, Min, SD, MSG)
      2. Percentile from 0% to 100% at 10% interval
      3. Subject Mark List with Grade Distribution, Ave, MSG, Position etc
      4. Listing with different criteria such as Average Scores, umber of Subject Passes, MSG
      5. Top performing Pupils in Subject
      6. Top performing Pupils in Overall Performance
      7. Pupils who Fail in Subject
      8. Subject Ranking Summary List
      9. Pupils who do not meet Targets (By Subjects)
      10. Expected Performance List
      11. Expected Performance Analysis
   3. Cohort Tracking and Trends
      1. Track Performance by Class and Pupil
      2. Comparison of Results over the years (e.g. CAs, SAs)
      3. Correlation between School Exam and PSLE
      4. Comparison of Analysis across different years and different cohorts
8. Utilities
   1. Password Access and Control
   2. Backup and Restore Data

Others

Vendor should provide quotation for the above and state any terms and conditions such as warranty period, onsite services and training. In addition, vendor should also state the maintenance/upgrade fees to be incurred after the warranty period.