



TRAX Management System

Introducing a complete and competitive management system for Schools, Colleges and Universities for -

- Attendance/Absence
- Monitoring
- Assessments
- Examinations/Tests

With all of the aspects above playing a major role in ensuring that pupils of all ages continue to take advantage of the education system, we have devised a simple means of tracking their attendance and abilities over a period of time thus helping to check a student's progress as well as keeping unwanted absence to a minimum.

- ☺ **Competitive** - and price sensitive costs when compared to other systems.
- ☺ **Flexible** - ability to automatically integrate into an institution's main MIS system.
- ☺ **Instant Access** - to attendance/absence history and records as well as test and assessment results
- ☺ **Choice** - can be tailored to suit individual needs or used as an off the shelf system

Product Details

The system uses a series of common generic pre-printed form formats, available locally, for all of the options briefly detailed below as follows:-

Testing/Exams -

Supports paper based multiple choice testing/exams with a choice of 60 or 100 questions per form. The system uses a master answer sheet template to store the correct answers with students completing an answer sheet with their reference and answers. Forms are then scanned and results of who passed and failed are available immediately on completion of the form processing with results stored in a history file for tracking purposes.

Attendance/Absence -

Forms can be overprinted with the required details such as subject, class, registration group and student details etc., using the automatic student download and display facility from within the software. Forms are handed to the class/registration teacher who marks whether students are present, late or absent and these are then scanned and recorded in the systems own SQL Database. Detailed reports are available as well as a full history of attendance/absence, which can be uploaded into the schools/colleges own MIS system for further analysis.

Assessment -

Using the automatic download option in the software, forms are overprinted with details such as subject, class, registration group, student details etc. Forms are completed by the tutor and then scanned and the data recorded and stored by the system. A full history of assessments is available for analysis and reporting of a student's continuing progress, which highlights both strengths and weaknesses.



PIP (Performance Improvement Process)

Improving Performance By Tracking Results

Based on our well known **Print & Scan** software, the **PIP** (Performance Improvement Process) system allows continual re-assessment on whether objectives and benefits are still being achieved after a candidate/student has attended a course or taken a study or other module. It can cover any time period and the analysis graphically indicates perception of change and fall-off effect ratio, since the completion of the end of course/evaluation questionnaire, by the current attitudinal, knowledge, behavioural and skills stance of the employee or student. It also shows whether this can be extended by offering further training or tutoring as necessary and can include a 360 degree capability for assessment by Managers, Peers, Subordinates and the Candidate/Student themselves. Options and benefits include:-

- A multi-tiered question bank option has been incorporated which allows users to have as many sub headings to a main subject title as required. A common question pool can be created as well as password protected subsections for individual administrators or lecturers with speciality options. Remote access to the Question Bank is also included whereby administrators/lecturers can select the basic questions from the bank for say a pre-course questionnaire or add additional questions to the original set on their own machine as well as creating new questions within their own area of speciality. The are then e-mailed back to the system administrator who produces the forms.
- The system administrator is able to generate the questionnaire forms, either by printing or electronically, in any language with appropriate title headers/gradings for each question if necessary. Up to forty questions per page are allowed with up to thirty pages per questionnaire.
- Ability to send out questionnaires in either paper based or electronic formats using either Optical Mark Reading/Intelligent Character Recognition (Paper Based) or Web/Email (Electronic systems). Once completed by the candidate/student the answers are returned for scanning (paper based) or retrieval (Web/Email) by the system administrator.
- Reports can include course, statistical, analytical and graphical presentations, including course comparative and longitudinal analysis using criteria based on course type/activity grouping with the ability to export data to other packages such as *Excel* or *SPSS*.
- Individual reporting showing mean scores and modal positions with the answer given by the candidate is also available for course feedback purposes.
- Continual re-assessment, covering any time period, on whether the objectives and benefits are still being achieved after the candidate/student has attended a course or taken a module. This analysis graphically indicates perception of change and fall-off effect ratio, since the completion of the end of course/evaluation questionnaire, by the current attitudinal stance of the employee or student. It also shows whether this can be extended by offering further training or tuition as required.
- 360 degree capability is included for assessment by Managers, Peers, Subordinates and the Candidate/Student themselves.
- Internally, the results can be used to ensure that training/subject presentation is monitored/assessed continuously thereby maintaining high standards of both staff and courses.
- Externally, selective results can be used for public relations where needed.

For further information please contact Colin Woolhouse or Lynesey Olson on 01227 793200

The screenshot displays several key components of the Trax Management System interface:

- Question Analysis & Test Summary Report:** A detailed report for the Department of Chemistry, showing module details (CMA203), test statistics (5 papers received, 5 processed), and a table of correct/incorrect answers for various questions.
- Candidate Answer Sheet (EAF3 - 09/08):** A grid-based form for recording candidate responses, including fields for candidate number, centre name, and paper codes.
- Summary Examination Report:** A table summarizing performance across different sections, with columns for Candidate ID, Correct, Incorrect, Penalty, Part 1 Score, Part 2 Score, Summary, and Result.
- Longitudinal Comparative Performance Graph:** A line graph showing performance trends over time for different categories like 'Ethnic Origin'.
- Correct Answers Report (One Page/All Pages):** A bar chart showing the distribution of correct answers across different pages or sections.