

IN THIS ISSUE

We look at the latest software releases including the new survey and examination system designed for tablet and on-line use, which will allow you to combine both paper and on-line formats together seamlessly. Also included are the details of the new OSCE system, which uses tablet technology or any system, including mobile phones, which are able to download and run Apps from the Web.

A summary of updates to Version 8.xx of our ever popular Print & Scan/MultiTest software with improved reporting/export facilities are also detailed. Other items include details of a new software release for online marking of Examination scripts by Assessors, which has been successfully implemented by the Irish College of General Practitioners (ICGP) in Dublin recently.

July Release for New Online OSCE Version

We are pleased to announce that the new Online version of our paper based OSCE system for the medical, dental and nursing markets as well as other collaborative learning environments, will be released in July following its final pre-release test as part of what is possibly the largest scale OSCE practical assessment examination carried out in Europe. This will be combined with the standard paper based system, so that a total of nearly 1200 candidates covering 27 practical assessment stations at seven different centres within the UK will be undertaken over a period of two days at the beginning of July.

For the purposes of this OSCE, we will be using a number of Nook HD+ tablets as they offer excellent price/performance levels as well as supporting the increasingly popular Android operating system. The online OSCE application itself is written in PHP so that it can be used on any browser enabled platform, including iPads, Android and Windows based tablets, laptops or any other suitable devices. It also means that the system is able to run on any server type (Linux or Windows) although it does require MYSQL on that server in order to upload candidate, examiner and station information as well as download the results to the main Print & Scan system after they are submitted from the tablet or other device. Once downloaded to the main Print & Scan system, candidate results can be generated, and distributed automatically via email if required, along with other reports and analysis such as station/examiner performance etc.

As always, the most critical part of the equation is costs and we believe that, beside offering a unique alternative to current OSCE practices, the new system can prove both cost effective and more efficient whereby, as the same form layout is used for both paper and electronic formats, the need to learn new techniques is minimised as a familiar data entry format is still used. As with all our systems, we can tailor our services to suit individual user requirements. If you would like to be kept updated on details regarding the progress of the new system, including feedback from the above examination or be interested in a demonstration once released then call or email Colin Woolhouse - colin@traxuk.com

New Combined On-line/Paper Version of Print & Scan Released

The new combined on-line and paper based version of Print & Scan has now been released, a little later than originally planned. It forms part of the new suite of paperless/electronic modules employing on-line technologies to capture the same data as the paper based version and retains the versatility, simplicity and ease of use. It is designed to be highly portable so that it can be used on any browser running under operating systems such as Android, Windows etc. One of its main functions will be to operate on tablet and hand held type devices as well as conventional desktop/laptop environments.

As well as gathering electronic data, users may also print OMR/ICR forms where a combination of both technology types is needed (paper and electronic). As with the original 1999 system, this new version retains its ability to duplicate a paper based form thus allowing the different technologies, (OMR, ICR, online etc.) to utilise a common platform for designing, printing, linking and processing surveys, exams, assessments etc. This means that the same form design and SQL Database options, with identical facilities, are used for both the electronic and paper based options thus avoiding the need to learn new techniques or complicated procedures for each



NEW ONLINE MARKING SYSTEM INSTALLED FOR ICGP

A new online marking system for examination scripts has been installed at the Irish College of General Practitioners in Dublin. The system uses the ICGP's own Web servers which, for this project, are Windows based as the programming language used is ASP.Net, which was considered to give the flexibility needed. Following a pilot workshop in January and some minor system tweaks, the first major test took place in April, which resulted in positive feedback from administrators, examiners and staff alike.

The basis of the system is to allow online marking of examination scripts, which cannot be machine evaluated and therefore require to be assessed, judged and manually marked. The system can allow two different methods of reviewing scripts to mark, the first by entering scores directly online after reviewing a paper script (the method used by ICGP) or, alternatively, the scripts could be displayed and marked onscreen after scanning the answer paper.

Options for online mark entry include the ability for an assessor to be assigned complete question/answer papers for marking or individual questions only (where each question/answer takes a single page) or even double check marking, whereby two assessors mark the same question/paper independently to ensure marking consistency. The new system has been specifically written for the ICGP but clients wishing to mark or score scripts online are welcome to contact Colin Woolhouse on colin@traxuk.com for further information and to discuss their requirements further.

NEW REPORT OPTIONS FOR PRINT & SCAN/MULTITEST

Following the successful introduction of the new Windows7/8 compatible version of the Print & Scan/MultiTest examination, assessments, survey & monitoring systems last year, we are pleased to announce some further upgrades to the system covering the reporting and exporting facilities in both aspects of the software.

New reports in the standard Print & Scan software include a more comprehensive graphing facility showing both graphs with question and answer text well as standard deviation means and the modal position along with a series of different graph styles. The MultiTest examination option now has a new Question Analysis report that can be viewed or printed showing not only a quintile graph of question performance but also statistics such as standard deviation, correlation co-efficient, facility/facility mean, discrimination etc.

Lastly, more export options have been included whereby reports generated in the MultiTest Report Wizard can be exported in a .csv format whilst the Print & Scan survey option allows users to export in four different ways with or without question text. Examples of the new report formats, for both surveys, assessments, monitoring and examinations, are shown below.

Question Item Analysis Report

Thursday, 14 February, 2013

Candidates: 93
Exam. Mean: 51.42 (68.56%) St. Dev.: 8.31 (11.07%) KR-20: 0.83

Question Number : 1

Correct Answer : 2

Mean Score : 0.40
Facility : 39.78
Co-Relation Coefficient: -0.83
33% Item Discrimination: 0.16
Point Biserial: 12.22

	Right	Wrong:	Blank	Multi
All	39.78	60.22	0.00	0.00
Upper	63.16	36.84	0.00	0.00
Lower	26.32	73.68	0.00	0.00

Question Number : 2

Correct Answer : 2

Mean Score : 0.25
Facility : 24.73
Co-Relation Coefficient: -0.83
33% Item Discrimination: 0.19
Point Biserial: 12.22

	Right	Wrong:	Blank	Multi
All	24.73	75.27	0.00	0.00
Upper	42.11	57.89	0.00	0.00
Lower	10.53	89.47	0.00	0.00

Question Number : 3

Correct Answer : 4

Mean Score : 0.97
Facility : 96.77
Co-Relation Coefficient: -0.83
33% Item Discrimination: 0.06
Point Biserial: 12.22

	Right	Wrong:	Blank	Multi
All	96.77	3.23	0.00	0.00
Upper	100.00	0.00	0.00	0.00
Lower	89.47	10.53	0.00	0.00

Question Number : 4

Correct Answer : 2

Mean Score : 0.37
Facility : 36.56
Co-Relation Coefficient: -0.83
33% Item Discrimination: 0.52
Point Biserial: 12.22

	Right	Wrong:	Blank	Multi
All	36.56	63.44	0.00	0.00
Upper	78.95	21.05	0.00	0.00
Lower	0.00	100.00	0.00	0.00

Survey Item Analysis Report

Thursday, 14 February, 2013

Question Number : 1
Introduction clear

Response No. Response Text

1	Strongly agree	30.00%
2	Agree	60.00%
3	No Opinion	10.00%
4	Disagree	0.00%
5	Strongly disagree	0.00%

Survey Participants: 988
Question Respondents: 994 (99.60%)
St. Dev. 190.91 Mean: 1.96

Question Number : 2
Access handbook

Response No. Response Text

1	Strongly agree	27.15%
2	Agree	65.24%
3	No opinion	7.61%
4	Disagree	1.96%
5	Strongly disagree	1.96%

Survey Participants: 988
Question Respondents: 976 (98.79%)
St. Dev. 165.81 Mean: 2.16

Question Number : 3
Organised

Response No. Response Text

1	Strongly agree	30.20%
2	Agree	65.20%
3	No opinion	4.60%
4	Disagree	0.00%
5	Strongly disagree	0.00%

Survey Participants: 988
Question Respondents: 977 (98.89%)
St. Dev. 146.68 Mean: 2.18

Sample Examination Report showing Graphs and Question Item Analysis details

Last Word - Business Solutions News

Please go to our Business Solutions newsletter for all the latest news on software releases/upgrades, including the 'Organiser' Sage document management solution at www.traxuk.com or contact Barry Snashall on 01227-793200

Summary Examination Report

Exam Centre / Department: MCD
Module: MCD_Module
Examination Code: EXAMS July 2012
Total Pass Marks: 50%
Number of papers processed: 93
Marking Scheme: Correct: 1, Incorrect: 0, No Answer: 0

Sr. No.	CandidateID	Correct	Incorrect	No Answer	Penalty	Part 1 Score	Part 2 Score	Summary	Result
1	979	43	32	0	0	43	N/A	57.33%	P
2	5569	54	21	0	0	54	N/A	72%	P
3	5577	49	26	0	0	49	N/A	65.33%	P
4	5619	39	36	0	0	39	N/A	50%	P
5	6025	46	29	0	0	46	N/A	61.33%	P
6	6743	53	22	0	0	53	N/A	70.67%	P
7	7152	59	16	0	0	59	N/A	78.67%	P
8	7154	47	28	0	0	47	N/A	62.67%	P
9	7154	59	16	0	0	59	N/A	78.67%	P
10	7219	53	22	0	0	53	N/A	70.67%	P

Summary Examination Report showing Individual Results