



SCHOOL OF INNOVATIVE TECHNOLOGIES & ENGINEERING

Module Information Pack

Postgraduate Certificate Software Development

PGCSD v1.0

Module name: Crystal Reports

Module code: TBC

Academic Year 2009/2010 – Semester 1

- A. Module Convenor:** Mr. Rishi H. Heerasing
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- B. Module Coordinator:** Mr. Rishi H. Heerasing
C. Programme Coordinator: Mr. Ravi Foogoo
D. Programme Director: Mr. Ravi Foogoo
E. Credits: 3
F. Pre-required skills (if any): None
G. Teaching and Learning Strategies: 14 x 4Hrs sessions of lectures, tutorials and practicals
H. Academic Tutoring: To Be Confirmed
I. Student Progress and Assessment: 100% Coursework

J. Summary of Module Content:

This module is designed to initiate the students to reporting services which is nowadays so pivotal to information-centric software development. In this module, students will be exposed to a familiar reporting solution viz. Crystal Reports[®] which is now owned by SAP[™].

K. Module Aims:

- To introduce basic reporting concepts in Software Development.
- Ability to generate intuitive reports as per requirements.

L. Learning Outcomes:

By the end of this module, students are expected:

- Design, Format and Export a simple report from scratch.
- Create a Cross-Tab report using Wizards.
- Create advanced reports using multiple data sources, containing graphs, charts, sub-reports, as well as other embedded objects.
- Understand the different exporting options available to Crystal Reports[®]

M. Semester Plan

Week	Dates	Topics Covered
1	10/08/09	Reporting Basics
2	14/08/09	Formatting Features
3	17/08/09	Database Filters
4	21/08/09	Report Grouping
5	24/08/09	Multiple Table Joins
6	31/08/09	Creating Formulae
7	07/09/09	Class Test I (25% of module weight)
8	14/09/09	Summary Reports & Charts
9	21/09/09	Parameter Fields
10	28/09/09	Power Formatting & Advanced Formulae
11	05/10/09	Sub-Reports and Cross-tab Reports
12	12/10/09	Class Test II (35% of Module Weight)
13	19/10/09	Advanced Grouping and Reports Alerts
14	26/10/09	Custom Functions and Performance
15	02/11/09	Exporting Options

N. READING LIST

1. RECOMMENDED TEXTS (as per availability in the UTM Resource Centre):

- *Crystal Reports 2008 SP1 User Guide, Business Objects* *
- Fitzgerald N. (2006) *Crystal Reports XI Official Guide: 1st Ed.*, Sams Publishing *
- Taylor Allen G. (2008) *Crystal Reports 2008 for Dummies*, Wiley Publishing Ltd

* You can download a copy of these books in e-book format on my Intr@web site at <http://inraweb/~rh/modules/cr2008/readings.html>

2. OTHER READING MATERIALS e.g. TEXTS/JOURNALS/ARTICLES/WEBSITES:

- Crystal Reports Samples at Business Objects Site at http://businessobjects.auc.com/ESRI2008/cd/CR_samples.html

3. PAST EXAM PAPERS

- N/A

O. LECTURE NOTES

Lecture notes are available on the **INTR@WEB** site (campus-access only) at <http://inraweb> and clicking on my link or to access it directly at <http://inraweb/~rh> You can also access the site externally at the following address: <http://202.123.21.122/~rh>

Note: **Downloads** Section is only available on campus and the notes are in .pdf format so you will need Adobe Acrobat® Reader to view them. This reader can also be obtained from the **Downloads** Section.