Templates for Annual Course Reports

University…………... Faculty……………Department…..………

Course Report
A- Basic Information
1. Title and code: Big Data Management

2. Programme(s) on which this course is given:
computer science
3. Year/ Level of programmes
4

5. Names of lecturers contributing to the delivery of the course
Dr. Mohamed Khafagy

Course co-ordinator Dr. Mohamed Khafagy

External evaluator Dr. Mohamed Khafagy

B- Statistical Information
No. of students attending the course: No.   %
No. of students completing the course: No.   %

Results:
Passed: No.   %   Failed: No.   %

Grading of successful students:
Excellent: No.   %   Very Good: No.   %

Good: No.   %   Pass: No.   %

C- Professional Information
1 – Course teaching

W	Topics actually taught	No. of hours	Lecturer
	Introduction Concepts and principles of big data (e.g. volume, velocity, variety and veracity), market and business drivers, industry barriers and considerations for big data management in a business context.		
	The business cases Characteristics of big data applications, perception and quantification of business values, assessing organizational fitness, and design of business cases for big data applications.		
	Types of big data applications, product knowledge hub, infrastructure and operations studies, location-based services, profile-based recommendation services.		
	technologies are right for you, good practices for soliciting business user requirements.		
	High-performance appliance for big data management Storage considerations, big data appliances (hardware and software tuned for big data applications), architectural choices, performance characteristics, platform alternatives.		
	Big data tools and techniques Overview of high-performance architectures Hadoop,		
	Distributed File Systems GFS,OCSS,DOCSS,HDFS,		
	MapReduce and YARN, Spark, HBase,		
	Hive and Mahout.		
	Big data applications Managing the lifecycle of big data,		

	machine-to-machine data, big transaction data, biometrics,		
	Introduction Concepts and principles of big data (e.g. volume, velocity, variety and veracity), market and business drivers, industry barriers and considerations for big data management in a business context.		

Topics taught as a percentage of the content specified:
>90 %

Reasons in detail for not teaching any topic

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If any topics were taught which are not specified, give reasons in detail

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2- Teaching and learning methods:
Lectures:
Practical training/ laboratory:
Class activity:
Case Study:

3- Student assessment:
Method of assessment   Percentage of total
Written examination
Oral examination
Practical/laboratory work

Total 100%
Members of examination committee
Dr. Mohamed Khafagy

4- Facilities and teaching materials:

Totally adequate
Adequate to some extent
Inadequate

List any inadequacies

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5- Administrative constraints

List any difficulties encountered

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6- Student evaluation of the course: Response of course team

List any criticisms

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7- Comments from external evaluator(s): Response of course team

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8- Course enhancement:

Progress on actions identified in the previous year's action plan:
Action State whether or not completed and give reasons for any non-completion

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9- Action plan for academic year 200X – 200Y

Actions required   Completion date   Person responsible

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Course coordinator:

Signature:

Date: / /