

COMP08009 RESEARCH METHODS IN COMPUTING & IT

Dr Martin Kenirons

Martin.kenirons@gmit.ie

Room 344A

Department of Computer Science & Applied Physics

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Course Outline

Latex

- LaTeX
- bibTeX
- Styles

Technical Writing

- Structure
- Referencing
- Data Sourcing
- Avoid plagiarism

Critical Thinking

- Source Evaluation

Research Methodologies

- Research Question
- Quantitative Vs Qualitative Research

Presentations Skill

- Layout

Course Project (60%)

Produce a Literature review on area of active research (approved by me)

- end of Week 12 (1st of December)

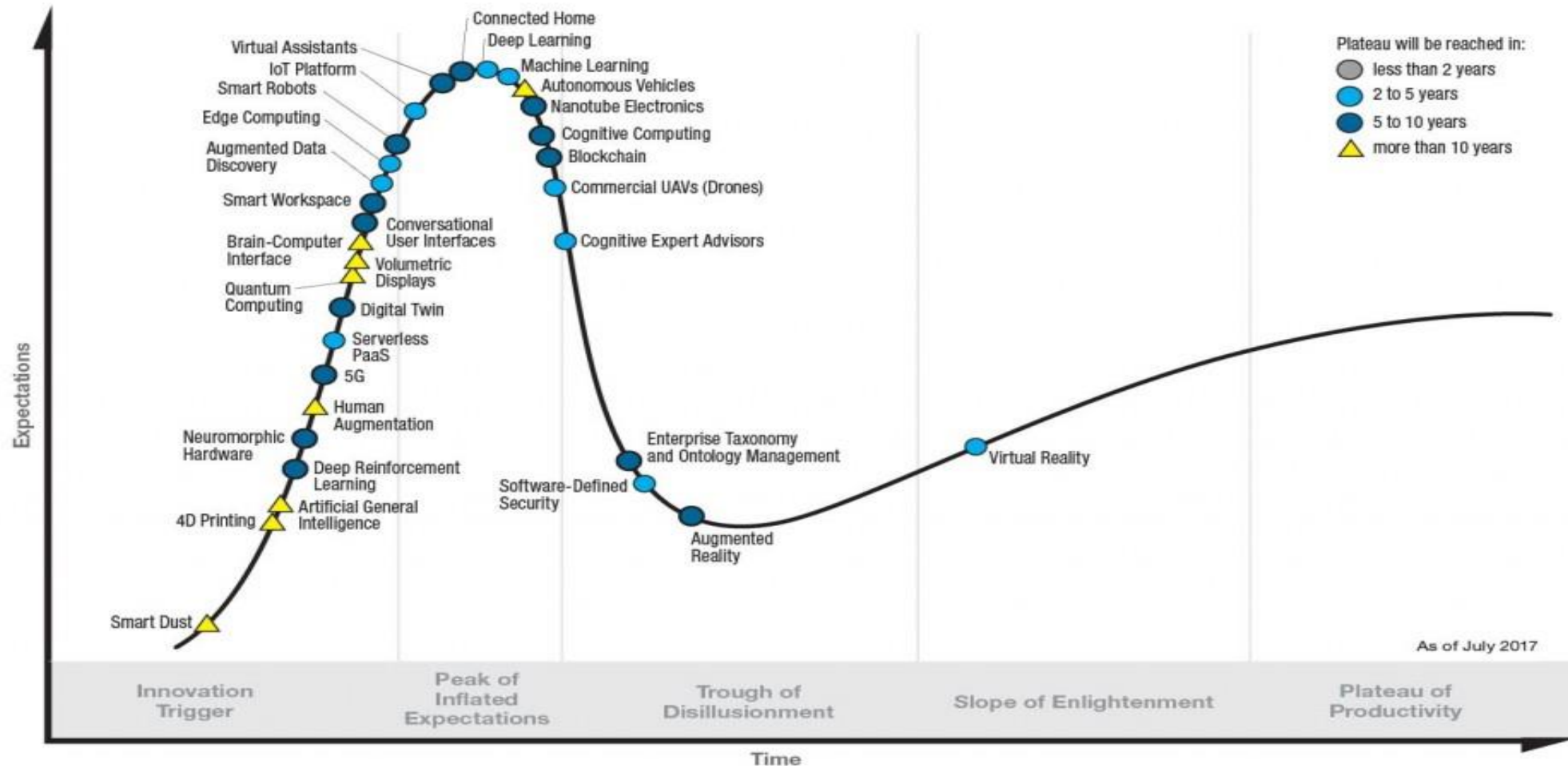
Requirements

- Fully referenced
- IEEE Computing Journal Format
- Well Written
- IEE/Harvard Referencing Style
- Meaning Full conclusion
- GitHub

Review Topics (Sample):

- Homomorphic Encryption
- Neural Networks In Pattern Recognition
- Hybrid Cloud Approaches in Distributed Computing
- Bitcoin
- Quantum Computing

Gartner **Hype Cycle** for Emerging Technologies, 2017



gartner.com/SmarterWithGartner

Source: Gartner (July 2017)
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Gartner

Course Assessment 1 (10%)

In class research writing challenge (1 hour)

Week 8 (1st November)

Course Assessment 2 (30%)

Produce a Research Presentation (8 – 12 mins) on an area of active research (approved by me).

Course Requirements:

- Bring your laptop to class
- SAAS (Sharelatex)
- Install Latex (www.Miktex.org)

Questions?