

## Unit 3: Emerging Trends in Computer Science

### Reading

- Read Section 4, 4.6, 9.6, 9.7, 10.6, 11.7, Chapter 11 of your core text book: Brookshear, J. and Brylow, D. (2018), Computer Science - An Overview. 13th Ed. Harlow: Pearson.

### Additional Reading

- El-Seoud, S & El-Sofany, H. (2017) Big Data and Cloud Computing: Trends and Challenges. International Journal of Interactive Mobile Technologies 11(34). DOI: 10.3991/ijim.v11i2.6561.
- Neves, P.; Schmerl, B.; Cámara, J. & Bernardino, J. (2016) 'Big Data in Cloud Computing: Features and Issues', In Proceedings of the International Conference on Internet of Things and Big Data - Volume 1: IoTBD 307-314. DOI: 10.5220/0005846303070314.
- Carsten M. (2017) Security and privacy in the internet of things. Journal of Cyber Policy 2(2): 155-184. DOI: 10.1080/23738871.2017.1366536.
- This article will talk how the Big Data can be used in different domains for forecasting: Hassani, H., Silva, E.S. (2015) Forecasting with Big Data: A Review. Ann. Data. Sci. 2: 5-19.
- This sets the concept of BYOC and BYOD: North Bridge (2013) Future of cloud computing survey reveals business driving cloud adoption in everything as a service era; IT investing heavily to catch up and support consumers graduating from BYOD to BYOC .
- Sultan, H. & Khaliq, A. (2017) Internet of Things: Future of Cloud Computing. International Journal of Advanced Research in Computer Science 8(2).
- Sherman, R. (2014) Strong AI strong artificial intelligence and consciousness. Social Psychology of Cyberspace.
- This video provides a simple overview of big data: [Tedx Talks \(2013\) Big data small world](#)
- Watch this video to get an idea why big data is a matter of interest for organisations: [Explaining Computers \(2012\) Explaining big data](#)