H9CEAI: Customer Engagement and Artificial Intelligence

Module Code:	H9CEAI				
Long Title	Customer Engagement and Artificial Intelligence APPROVED				
Title	Customer Engagement and Artificial Intelligence				
Module Level:	LEVEL 9				
EQF Level:	7				
EHEA Level:	Second Cycle				
Credits:	10				
Module Coordinator:	Rejwanul Haque				
Module Author:	Shauni Hegarty				
Departments:	School of Computing				
Specifications of the qualifications and experience required of staff					
Learning Outcomes					
On successful completion of this module the learner will be able to:					
Learning Outcome Description					
LO1 Critically assess the i	Critically assess the impact of Trust and AI on customer engagement lifecycle as well as determine its regulatory requirements.				
LO2 Analyse, summarise,	analyse, summarise, and critique AI technologies applied for attracting, engaging, persuading, and retaining customers.				
LO3 Design and evaluate	Design and evaluate Recommender Systems, ChatBots, and Intelligent Agents to support customer engagement strategies.				
LO4 Critically assess and	Critically assess and implement processes combining humans and machines tasks in the context of customer engagement				
Dependencies					
Module Recommendations					
No recommendations listed					
Co-requisite Modules					
No Co-requisite modules listed					
Entry requirements					

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	100.00%
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% of total:	Non-Marked
Outcome addressed:	1,2,3,4
group activities. Feedback will be provided in writt h to learning.	en or oral format, or on-line through Moodle. In additior
t % of total:	30
Outcome addressed:	1,2,3
with Customers. How can AI tools improve and er	nhance this experience?
it % of total:	70
Outcome addressed:	1,2,3,4
_	g with Customers. How can AI tools improve and er ent % of total:

No End of Module Assessment No Workplace Assessment Reassessment Requirement

Coursework Only This module is reassessed solely on the basis of re-submitted coursework. There is no repeat written examination.

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Module Workload Module Target Workload Hours 0 Hours						
Workload Type	Workload Description	Hours	Frequency	Average Weekly Learner Workload		
Lecture	Lectures	24	Once per semester	2.00		
Independent Learning	Independent Learning	202	Once per semester	16.83		
Practical	Practical/Tutorials	24	Once per semester	2.00		
Total Weekly Contact Hours						

Module Resources

Recommended Book Resources

Coeckelbergh, M. (2020). AI Ethics. The MIT Press. [ISBN 978-0262538190]..

Sterne, J. (2017). Artificial Intelligence for Marketing: Practical Applications. Wiley. [ISBN 978-1119406334]..

Shevat, Amir. (2017). Designing Bots: Creating Conversational Experiences. O'Reilly Media. [ISBN 978-1491974827]..

Supplementary Book Resources

Zuboff, S. (2020). The Age of Surveillance Capitalism: The Fight for a Human Future at the New Frontier of Power. PublicAffairs. [ISBN 978-1541758001]..

Kahneman, D. (2011). Thinking, Fast and Slow. Penguin Press. [ISBN 978-0141033570].

O'Neil, C. (2017). Weapons of Math Destruction: How Big Data Increases Inequality and Threatens Democracy. Crown. [ISBN 978-0553418835]..

Nielsen, A. (2020). Practical Fairness: Achieving Fair and Secure Data Models. O'Reilly Media. [ISBN 978-1492075738]..

Schrage, M. (2020). Recommendation Engines. The MIT Press. [ISBN 978-0262539074]..

Recommended Article/Paper Resources

Weinberger, D. (2019). Can we trust machines that sound too much like us? Harvard Business School. Retrieved at https://hbr.org/2019/05/can-we-trust-mac hines-that-sound-too-much-like-us.

McKendrick, J. (2020). AI has yet to break the trust barrier. Forbes. Retrieved at https://www.forbes.com/sites/joemckendri ck/2021/01/12/artificial-intelligenceha s-yet-to-break-the-trust-barrier/?sh=755 787e47e1c..

Longoni, C. & Cian, L. (2020). When do we trust Al's recommendations more than people's? Harvard Business School. Retrieved at https://hbr.org/2020/10/when-do-we-trust -ais-recommendations-more-than-peoples.

Longoni, C. & Morewedge, C. K. (2019). Al can outperform doctors. So why don't patients trust it? Harvard Business School. Retrieved at https://hbr.org/2019/10/ai-can-outperfor m-doctors-so-why-dont-patients-trust-it..

High-Level Expert Group on Artificial Intelligence (2019). Ethics guidelines for trustworthy AI. European Commission. Retrieved at https://digitalstrategy.ec.europa.eu/en /library/ethics-guidelines-trustworthy-a i.

Davenport, T. H. (2019). What does an AI ethicist do? MIT Sloan Management Review. Retrieved at https://sloanreview.mit.edu/article/what -does-an-ai-ethicist-do/.

Mayika, J., Silberg, J., & Presten, B. (2019). What do we do about the biases in AI? Harvard Business School. Retrieved at https://hbr.org/2019/10/what-do-we-do-ab out-the-biases-in-ai..

The Economist (2018). For Artificial Intelligence to thrive, it must explain itself. The Economist. Retrieved at https://www.economist.com/science-and-te chnology/2018/02/15/for-artificialintel ligence-to-thrive-it-must-explain-itself ..

Kannan, P. V. & Bernoff, J. (2019). Does your company really need a Chatbot? Harvard Business School. Retrieved at https://hbr.org/2019/05/does-yourcompan y-really-need-a-chatbot.

Fingar, P. (2018), Competing forthe future with Intelligent Agents... and a confession. Forbes. Retrieved at https://www.forbes.com/sites/cognitivewo rld/2018/11/11/competing-for-the-future- withintelligent-agents-and-a-confession /?sh=55e3921e613d.

Wilson, H. J. (2018). Human plus machine: Reimagining work in the age of Al. Harvard Business School. Retrieved at https://hbr.org/webinar/2018/08/humanpl us-machine-reimagining-work-in-the-age-o f-ai.

This module does not have any other resources

Discussion Note: