**Project proposal form**

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| **Student details** | | |
| **First Name** | **Last Name** | **Date** |
| Yazan | Atary | 12/27/2023 |
| **Centre Name** | **Tutor** |  |
| **LTUC** | **Rawan Baniyounes** |  |
| **Proposed Title** |  | |

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| **Section One: Title, aims, objectives**  Section I: Research Title, Objectives |
| Title or working title of project (in the form of a question, objective, or hypothesis) Big Data Develops at Pearson Project aims and objectives (e.g. what do you wish to achieve? What do you want to learn to do? What do you want to find out?)  **Research Objectives:**  This research aims to answer the following questions:  1- Can the quality of education be improved using big data?  2 - Can the big data framework improve the assessment of educational performance?  3 - How can Pearson develop an automated system for personalized course recommendations using student academic data?  4 - How can big data analytics effectively enhance the quality of Pearson cloud computing courses? |
| **Section Two: Reasons for choosing this project.**  Section Two: Motivations for Conducting Your Scientific Research |
| Reasons for choosing the project (e.g. links to other subjects you are studying, personal interest, future plans, knowledge/skills you want to improve, why you feel the topic is important)   1. **Improving the quality of learning at Pearson** 2. **Technology Integration in Education** 3. **Achieving educational excellence** 4. **Responding to the challenges of modern education** |

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| **Section Three: Precedents and sources**  Section III: References and Sources Used |

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| Use of key literature sources and precedents to support your project objectives.   1. [Daniel, B. (2017). Big data and data science: a critical review of issues for research. British Journal of educational Educational Technology, 50(1), 101-113.](file:///C:\Users\yazan\OneDrive\سطح%20المكتب\CRP\1.%09Daniel,%20B.%20(2017).%20Big%20data%20and%20data%20science:%20a%20critical%20review%20of%20issues%20for%20research.%20British%20Journal%20of%20educational%20Educational%20Technology,%2050(1),%20101-113) 2. [Mathur, N., Baldwin, T., & Cohn, T. (2020). Tangled up in bleu: reevaluating the evaluation of automatic machine translation evaluation metrics..](file:///C:\Users\yazan\OneDrive\سطح%20المكتب\CRP\2.%09Mathur,%20N.,%20Baldwin,%20T.,%20&%20Cohn,%20T.%20(2020).%20Tangled%20up%20in%20bleu:%20reevaluating%20the%20evaluation%20of%20automatic%20machine%20translation%20evaluation%20metrics) 3. [Murumba, J. and Micheni, E. (2017). Big data analytics in higher education: a review. The International Journal of Engineering and Science, 06(06), 14-21.](file:///C:\Users\yazan\OneDrive\سطح%20المكتب\CRP\3.%09Murumba,%20J.%20and%20Micheni,%20E.%20(2017).%20Big%20data%20analytics%20in%20higher%20education:%20a%20review.%20The%20International%20Journal%20of%20Engineering%20and%20Science,%2006(06),%2014-21) 4. [ABTEW, A. (2023). The role of big data analytics in improving teacher training in developing countries: a literature review..](file:///C:\Users\yazan\OneDrive\سطح%20المكتب\CRP\4.%09ABTEW,%20A.%20(2023).%20The%20role%20of%20big%20data%20analytics%20in%20improving%20teacher%20training%20in%20developing%20countries:%20a%20literature%20review) 5. [Wu, D., Wang, M., & Li, X. (2022). Automatic scoring for translations based on language models. Computational Intelligence and Neuroscience, 2022, 1-10.](file:///C:\Users\yazan\OneDrive\سطح%20المكتب\CRP\5.%09Wu,%20D.,%20Wang,%20M.,%20&%20Li,%20X.%20(2022).%20Automatic%20scoring%20for%20translations%20based%20on%20language%20models.%20Computational%20Intelligence%20and%20Neuroscience,%202022,%201-10) 6. [Machmud, M., Widiyan, A., & Ramadhani, N. (2021). The development and policies of ict supporting educational technology in singapore, thailand, indonesia, and myanmar. International Journal of Evaluation and Research in Education (Ijere), 10(1), 78.](file://C:\Users\yazan\OneDrive\سطح%20المكتب\CRP\6.Machmud,%20M.,%20Widiyan,%20A.,%20&%20Ramadhani,%20N.%20(2021).%20The%20development%20and%20policies%20of%20ict%20supporting%20educational%20technology%20in%20singapore,%20thailand,%20indonesia,%20and%20myanmar.%20International%20Journal%20of%20Evaluation%20and%20Research%20in%20Education%20(Ijere),%2010(1),%2078.) 7. [Wang, X., Sun, H., & Li, L. (2019). An innovative preschool education method based on computer multimedia technology. International Journal of Emerging Technologies in Learning (Ijet), 14(14), 57.](file:///C:\Users\yazan\OneDrive\سطح%20المكتب\CRP\7.%09Wang,%20X.,%20Sun,%20H.,%20&%20Li,%20L.%20(2019).%20An%20innovative%20preschool%20education%20method%20based%20on%20computer%20multimedia%20technology.%20International%20Journal%20of%20Emerging%20Technologies%20in%20Learning%20(Ijet),%2014(14),%2057) 8. [Malik, S. and Agarwal, A. (2012). Use of multimedia as a new educational technology tool–a study. International Journal of Information and Education Technology, 468-471.](file:///C:\Users\yazan\OneDrive\سطح%20المكتب\CRP\8.%09Malik,%20S.%20and%20Agarwal,%20A.%20(2012).%20Use%20of%20multimedia%20as%20a%20new%20educational%20technology%20tool–a%20study.%20International%20Journal%20of%20Information%20and%20Education%20Technology,%20468-471) 9. [Kotlyarova, V., Rudenko, A., Yaksa, N., & Shubina, M. (2021). Digital technologies in modern higher educational space: analysis of risks and threats. E3s Web of Conferences, 273, 12050.](file:///C:\Users\yazan\OneDrive\سطح%20المكتب\CRP\9.%09Kotlyarova,%20V.,%20Rudenko,%20A.,%20Yaksa,%20N.,%20&%20Shubina,%20M.%20(2021).%20Digital%20technologies%20in%20modern%20higher%20educational%20space:%20analysis%20of%20risks%20and%20threats.%20E3s%20Web%20of%20Conferences,%20273,%2012050)   [Daniel, B. (2017). Big data and data science: a critical review of issues for educational research. British Journal of Educational Technology, 50(1), 101-113.](file:///C:\Users\yazan\OneDrive\سطح%20المكتب\CRP\11.%09Daniel,%20B.%20(2017).%20Big%20data%20and%20data%20science:%20a%20critical%20review%20of%20issues%20for%20educational%20research.%20British%20Journal%20of%20Educational%20Technology,%2050(1),%20101-113)   1. [Machmud, M., Widiyan, A., & Ramadhani, N. (2021). The development and policies of ict supporting educational technology in singapore, thailand, indonesia, and myanmar. International Journal of Evaluation and Research in Education (Ijere), 10(1), 78.](file://C:\Users\yazan\OneDrive\سطح%20المكتب\CRP\12.Machmud,%20M.,%20Widiyan,%20A.,%20&%20Ramadhani,%20N.%20(2021).%20The%20development%20and%20policies%20of%20ict%20supporting%20educational%20technology%20in%20singapore,%20thailand,%20indonesia,%20and%20myanmar.%20International%20Journal%20of%20Evaluation%20and%20Research%20in%20Education%20(Ijere),%2010(1),%2078.) 2. [Zhang, L. and Zhang, Z. (2022). Animation education innovation of big data in the new media environment. Wireless Communications and Mobile Computing, 2022, 1-12.](file:///C:\Users\yazan\OneDrive\سطح%20المكتب\CRP\13.%09Zhang,%20L.%20and%20Zhang,%20Z.%20(2022).%20Animation%20education%20innovation%20of%20big%20data%20in%20the%20new%20media%20environment.%20Wireless%20Communications%20and%20Mobile%20Computing,%202022,%201-12) 3. [Machmud, M., Widiyan, A., & Ramadhani, N. (2021). The development and policies of ict supporting educational technology in singapore, thailand, indonesia, and myanmar. International Journal of Evaluation and Research in Education (Ijere), 10(1), 78.](file://C:\Users\yazan\OneDrive\سطح%20المكتب\CRP\15.Machmud,%20M.,%20Widiyan,%20A.,%20&%20Ramadhani,%20N.%20(2021).%20The%20development%20and%20policies%20of%20ict%20supporting%20educational%20technology%20in%20singapore,%20thailand,%20indonesia,%20and%20myanmar.%20International%20Journal%20of%20Evaluation%20and%20Research%20in%20Education%20(Ijere),%2010(1),%2078.) 4. [Murumba, J. and Micheni, E. (2017). Big data analytics in higher education: a review. The International Journal of Engineering and Science, 06(06), 14-21.](file:///C:\Users\yazan\OneDrive\سطح%20المكتب\CRP\Murumba,%20J.%20and%20Micheni,%20E.%20(2017).%20Big%20data%20analytics%20in%20higher%20education:%20a%20review.%20The%20International%20Journal%20of%20Engineering%20and%20Science,%2006(06),%2014-21.%20https:\doi.org\10.9790\1813-0606021421) 5. [ABTEW, A. (2023). The role of big data analytics in improving teacher training in developing countries: a literature review.](file:///C:\Users\yazan\OneDrive\سطح%20المكتب\CRP\ABTEW,%20A.%20(2023).%20The%20role%20of%20big%20data%20analytics%20in%20improving%20teacher%20training%20in%20developing%20countries:%20a%20literature%20review.%20https:\doi.org\10.21203\rs.3.rs-3111391\v1) 6. [Daniel, B. (2017). Big data and data science: a critical review of issues for educational research. British Journal of Educational Technology, 50(1), 101-113.](file:///C:\Users\yazan\OneDrive\سطح%20المكتب\CRP\Daniel,%20B.%20(2017).%20Big%20data%20and%20data%20science:%20a%20critical%20review%20of%20issues%20for%20educational%20research.%20British%20Journal%20of%20Educational%20Technology,%2050(1),%20101-113.%20https:\doi.org\10.1111\bjet.12595) 7. [Singh, D. (2018) 'Cloud computing environment in big data for education,' in *Lecture notes in educational technology*, pp. 211–233](https://doi.org/10.1007/978-981-13-0650-1_12) | | | |
| **Section Four: Activities and timescales**  Section IV: Scheduling of Basic Research Parts | | | |
| Activities to be carried out during the project  Writing Proposal  Data collection and analysis    Epilogue writing | | | How long will this take:  4 hours    7 hours  Two hours |
| Milestone one: | | | |
| Target date (set by tutor): | | | |
| Milestone two: | | | |
| Target date (set by tutor): | | | |
| **Comments and agreement from tutor** | | | |
| Comments: |  | | |
| I confirm that the project is not work that has been or will be submitted for another qualification and is appropriate: | | | |
| Agreed: | (name) | (date) |  |
| Comments and agreement from project proposal reviewer (if applicable) | | | |
| Comments: |  | | |
| I confirm that the project is not work that has been or will be submitted for another qualification and is appropriate: | | | |
| Agreed: | (name) | (date) |  |

**March 2022**

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