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| Brookes Logo BW | **TDE Form E1** |

1. **Project Title:**

Book Recommendation Using Deep & Cross Network

1. **Name of** **Supervisor and** **School in which located:**

Supervisor: Joojo Walker

School: ChengDu university of technology

1. **Name of Student and Student Number:**

Name: Arnold(Cheng.fujia)

Student Number: 201918020422

1. **Brief description of project outlining where human participants will be involved (30-50 words):**

Use deep and cross-network (DCN) deep learning models to build a recommender system that can be used to recommend books more efficiently. Participants will participate in the collection of data, the establishment and training of models, and the examination and presentation of results

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|  |  | **Yes** | **No** |
| 1. | Does the study involve participants who are unable to give informed consent (e.g. children, people with learning disabilities)? |  |  |
| 2. | If the study will involve participants who are unable to give informed consent (e.g. children under the age of 18, people with learning disabilities), will you be unable to obtain permission from their parents or guardians (as appropriate)? |  |  |
| 3. | Will the study require the cooperation of a gatekeeper for initial access to groups or individuals to be recruited (e.g. students, members of a self-help group, employees of a company)? |  |  |
| 4. | Are there any problems with the participants’ right to remain anonymous, or to have the information they give not identifiable as theirs? |  |  |
| 5. | Will it be necessary for the participants to take part in the study without their knowledge/consent at the time? (e.g. covert observation of people in non-public places?) |  |  |
| 6. | Will the study involve discussion of or responses to questions the participants might find sensitive? (e.g. own traumatic experiences) |  |  |
| 7. | Are drugs, placebos or other substances (e.g. food substances, vitamins) to be administered to the study participants? |  |  |
| 8. | Will blood or tissue samples be obtained from participants? |  |  |
| 9. | Is pain or more than mild discomfort likely to result from the study? |  |  |
| 10. | Could the study induce psychological stress or anxiety? |  |  |
| 11. | Will the study involve prolonged or repetitive testing of participants? |  |  |
| 12. | Will financial inducements (other than reasonable expenses and compensation for time) be offered to participants? |  |  |
| 13. | Will deception of participants be necessary during the study? |  |  |
| 14. | Will the study involve NHS patients, staff, carers or premises? |  |  |

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| **Signed:** |  | **Supervisor**  Joojo Walker |
| **Signed:** |  | **Student**  Arnold(cheng.fujia) |
| **Date:** | 2022/11/15 |  |