**Research Ethics Approval Form:**

All students conducting research activity that involves human participants or the use of data collected from human participants are required to gain ethical approval before commencing their research. Please answer all relevant questions and note that your form may be returned if incomplete.

For further support and guidance please see your respective Unit Tutor.

**Before completing this form, we advise that you discuss your proposed research fully with your Unit Tutor. Please complete this form in good time before your research project is due to commence.**

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| **Section One: Basic details** |
| Project title: Reducing e-waste (The environmental impacts of lithium-ion batteries and ways to reduce it)  Student name: Hasan Alhwietat  Student number: 20120098  Programme: Computer Science  School: [School of Computer and Informatics](https://elearning.htu.edu.jo/course/view.php?id=7705)  Intended research start date: 10/11/2022  Intended research end date: 25/5/2023 |
| **Section Two: Project summary** |
| Please select all research methods that you plan to use as part of your project:  • Interviews  • Questionnaires  • Observations  • Use of personal records  • Data analysis  • Action research  • Focus groups  • Other (please specify): |
| **Section Three: Participants** |
| Please answer the following questions, giving full details where necessary.  Will your research involve human participants? Yes  Who are the participants? Tick all that apply:  Children aged 12–16: ■  Young people aged 17–18: ■  Adults: ■  How will participants be recruited (identified and approached)?  Participants are two types users and workers of lithium-ion batteries.  Describe the processes you will use to inform participants about what you are doing:  How will you obtain consent from participants? Will this be written? How will it be made clear to participants that they may withdraw consent to participate at any time?  We made things clear before the person participated in filling out the questionnaire, and when filling it out, this means that he agrees to that  **Studies involving questionnaires:**  Will participants be given the option of omitting questions they do not wishto answer?  Yes: ■ No: □  If No, please explain why below and ensure that you cover any ethical issues arising from this:  **Studies involving observation:**  Confirm whether participants will be asked for their informed consent to be observed.  Yes: ■  No: □  Will you debrief participants at the end of their participation (i.e. give them a brief explanation of the study)?  Yes: □  No: ■  Will participants be given information about the findings of your study? (This could be a brief summary of your findings in general.)  Yes: □  No: ■ |
| **Section Four: Data storage and security** |
| Confirm that all personal data will be stored and processed in compliance with the Data Protection Act (1998):  Yes: ■  No: □  Who will have access to the data and personal information?  Research observers and research owner.  **During the research:**  Where will the data be stored?  The data is stored in the OneDrive and on the researcher's device.  Will mobile devices (such as USB storage and laptops) be used?  Yes: ■  No: □  If yes, please provide further details: The master data will be stored in the search holder's personal computer.  **After the research:**  Where will the data be stored?  The data is stored in the OneDrive.  How long will the data and records be kept for and in what format?  Until there is no need for this stored data.  Will data be kept for use by other researchers?  Yes: ■  No: □  *If yes, please provide further details:* *The paper that was done will be uploaded and uploaded to Google so that researchers can benefit from the data collected.* |
| **Section Five: Ethical issues** |
| Are there any particular features of your proposed work which may raise ethical concerns? If so, please outline how you will deal with these:  It is important that you demonstrate your awareness of potential risks that may arise as a result of your research. Please consider/address all issues that may apply. Ethical concerns may include, but are not limited to the following:   * Informed consent. * Data storage and security, both during and after the research (including transfer, sharing, encryption, protection). * Reporting.   Dissemination and use of your findings. |
| **Section Six: Declaration** |
| I have read, understood and will abide by *[insert centre name]* Research Ethics Policy:  Yes: ■  No: □  I have discussed the ethical issues relating to my research with my Unit Tutor:  Yes: ■  No: □  **I confirm that to the best of my knowledge:**  The above information is correct and that this is a full description of the ethics issues that may arise in the course of my research.  Name: Hasan Alhwietat  Date: 21/5/2023  **Please submit your completed form to: persons involved in the research** |