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| **DEPARTMENT OF ELECTRICAL ENGINEERING** | | |  |
| UNIVERSITY OF CAPE TOWN  **PRIVATE BAG X3**  RONDEBOSCH 7701  SOUTH AFRICA | RESEARCHER/S: TELEPHONE:  E-MAIL:  URL: | Md Shaihan Islam  +27-67 872 3466  [islmds002@myuct.ac.za](mailto:islmds002@myuct.ac.za)  <https://ebe.uct.ac.za/department-electrical-engineering> |

# Informed Voluntary Consent to Participate in Research Study

**Project Title:** Design and Testing of a Cost-Effective Electronic Credit Card Payment Device for Electric Vehicle Charging Station

**Invitation to participate, and benefits:** You are invited to participate in a research study conducted to test an electronic device that makes payments at electric vehicle (EV) charging stations simple, cost-effective and accurate. The study aim is to develop a device that will be able to calculate the amount that will be billed to a customer after charging an EV at the station, and to allow the user to make this payment via credit/debit card. I believe that your support would provide a valuable source of information, and hope that by participating you may contribute to ever-growing research in science and engineering.

**Procedures:** During this study, you will be asked to provide your credit or debit card to make a purchase using the EV charging payment device. The purchase amount will be refunded to you in cash on receipt of proof of successful payment. You will be requested to sign the form in the second page to confirm that you have received the refund.

**Feedback**: You will receive feedback about the results of this research.

**Disclaimer/Withdrawal:** Your participation is completely voluntary; you may refuse to participate, and you may withdraw at any time without having to state a reason and without any prejudice or penalty against you. Should you choose to withdraw, the researcher commits not to use any of the information you have provided without your signed consent. Note that the researcher may also withdraw you from the study at any time.

**Confidentiality**: All information collected in this study will be kept private in that you will not be identified by name or by affiliation to an institution. Confidentiality and anonymity will be maintained as pseudonyms will be used.

**What signing this form means:** By signing this consent form, you agree to participate in this research study. The aim, procedures to be used, as well as the potential risks and benefits of your participation have been explained verbally to you in detail, using this form. Refusal to participate in or withdrawal from this study at any time will have no effect on you in any way. You are free to contact me, to ask questions or request further information, at any time during this research.

I agree to participate in this research. (tick one box)  Yes  No \_\_\_\_\_\_\_\_\_ (Initials)

I agree to provide my credit/debit card for testing.  Yes  No \_\_\_\_\_\_\_\_\_ (Initials)

(tick one box)

I agree to be refunded by cash on producing proof  Yes  No \_\_\_\_\_\_\_\_\_ (Initials)

of successful payment after using my credit/debit

card for testing. (tick one box)

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| Name of Researcher | Signature of Researcher | Date |

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| **DEPARTMENT OF ELECTRICAL ENGINEERING** | | | A logo of a university  Description automatically generated |
| UNIVERSITY OF CAPE TOWN  **PRIVATE BAG X3**  RONDEBOSCH 7701  SOUTH AFRICA | RESEARCHER/S: TELEPHONE:  E-MAIL:  URL: | Md Shaihan Islam  +27-67 872 3466  [islmds002@myuct.ac.za](mailto:islmds002@myuct.ac.za)  <https://ebe.uct.ac.za/department-electrical-engineering> |

**Confirmation of Receipt of Cash Refund**

**Project Title:** Design and Testing of a Cost-Effective Electronic Credit Card Payment Device for Electric Vehicle Charging Station

**Acknowledgement of receipt of cash refund:** As agreed upon in the informed voluntary consent form for the research study, you will have already received the cash refund that was charged to your credit/debit card as part of the testing procedures of this research study. This form will record your acknowledgement of receipt of this cash refund, and you will be required to sign this form upon the full payout (in cash) of the amount that was charged to your credit/debit card.

**What signing this form means:** By signing this form, you confirm that you have been refunded the exact purchase amount, in cash, after the testing has been completed and proof of successful payment has been received. Signing this form also means that you acknowledge that the total amount owed to you by the researcher is ZERO Rands (R0.00).

I agree that I have received the full cash refund that was  Yes  No \_\_\_\_\_\_\_\_\_ (Initials)

charged to my credit/debit card (tick one box)

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| Name of Participant | Signature of Participant | Date |
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| Name of Researcher | Signature of Researcher | Date |