

# UGANDA SCIENCE INNOVATORS' AWARDS

## SHORTLISTED INNOVATIONS

### 1. Mobility

| SN               | NAME                                | INNOVATION  |
|------------------|-------------------------------------|---|
| <b>18+ Years</b> |                                     |   |
| 1                | Edwin Agaba                         | Electric Motorcycle   |
| 2                | Rogers Mubiru                       | Diesel Engine Manufacturing   |
| 3                | Innocent Orikiiriza                 | Digital Ticketing System  |
| 4                | Ahereza Ian & Nakiito Gloria Dorcus | Smart Remote Monitoring for EV Charging                             |
| 5                | Tusuubira Lateefa Shibah            | Blind spot detection system for buses using Artificial Intelligence |
| 6                | Alex Kamugisha                      | Hybrid-Electric and Manual Bamboo Bicycle                           |

### 2. Pathogen Economy

| SN               | NAME                     | INNOVATION                                    |
|------------------|--------------------------|---|
| <b>18+ Years</b> |                          |   |
| 1                | Victor Paul Kawagga      | Robotics                                      |
| 2                | Wegoye Miriam            | Neonate Warmer                                |
| 3                | Toskin Gregory           | COVID-19 Tracer                               |
| 4                | Victor Kansime           | Pain relief drug                              |
| 5                | Mirembe Betty            | Medicine delivery & patient monitoring system |
| 6                | Omukenkufu Nyanzi Julius | Organic sanitizer from lemon peelings         |

### 3. Engineering

| SN                    | NAME  | INNOVATION                      |
|-----------------------|---|---------------------------------|
| <b>18+ Years</b>      |   |                                 |
| 1                     | Mark Musinguzi  | Biodegradable food packaging    |
| 2                     | Christopher Nsamba  | Baby Incubator                  |
| 3                     | David Tusubira Sunday and Baguma Karugaba Douglas   | Solar system 'REMOTE'           |
| 4                     | Kwizera Pike  | making charcoal briquettes      |
| 5                     | Ivan Nasasira   | Portable ultra-scan device      |
| 6                     | Stella Kabiri   | Fertilizers                     |
| <b>Under 18 Years</b> |   |                                 |
| 1                     | Stephanie Katuku/ Nanyunja Hadija/ Tendo Nicole/ Kabajungu Lindsay/ Niyogusabwa Diana/Kawuma Michelle | Automated door operating system |
| 2                     | Katongole Janice, Mirembe Pricey, Mulungi Mercy and Muwanguzi M                                       | UV Light Rover                  |
| 3                     | Nandase Lyndsey   | Paint mixture from Clay         |

#### 4. Beauty and Apparel

| SN               | NAME                        | INNOVATION                                      |
|------------------|-----------------------------|---|
| <b>18+ Years</b> |                             |   |
| 1                | Shalin Kentaro Otim         | Planted based hair products                     |
| 2                | Solomon Kiiza               | Medical care PPE (overalls, masks, shoe covers) |
| 3                | Twebaze Collins Bagiritima  | Cloth and Hair from banana fibre                |
| 4                | Nakiyingi Elizabeth Kiyingi | Organic Hair Products                           |
| 5                | Sandra Letio                | Cosmetics                                       |
| 6                | Ronald Angarukamu           | Carpets from Mask Material Offcuts              |
| 7                | Hillary Nahurira            | Natural Lemon Aftershave                        |

#### 5. Digital

| SN                    | NAME                             | INNOVATION  |
|-----------------------|----------------------------------|---|
| <b>18+ Years</b>      |                                  |   |
| 1                     | Wenganga Philemon/ Wekesa George | Zeevarsiy/AIMS: E platform for Education Institutions |
| 2                     | Bwire Solomon                    | E commerce platform                                   |
| 3                     | Nakajje Suzan                    | Blind Assistant App                                   |
| 4                     | Sedrick Otolo                    | Pregnant mother monitoring system                     |
| 5                     | Nalweyiso Catherine              | Smart LED Lighting                                    |
| 6                     | Odong Walter                     | E-learning App  |
| <b>Under 18 Years</b> |                                  |   |
| 1                     | Abenaitwe Ian                    | E-Commerce Website                                    |
| 2                     | Mpagi Tramy Ann                  | E-Learning Platform                                   |

#### 6. Agro-Security

| SN                    | NAME            | INNOVATION                          |
|-----------------------|-----------------|-------------------------------------|
| <b>18+ Years</b>      |                 |                                     |
| 1                     | Kiberu Godfrey  | Avocado Value addition              |
| 2                     | Nantongo Brenda | Solar Powered irrigation device     |
| 3                     | Byarugaba Isaac | Temperature sensor for food storage |
| 4                     | Thomas Kiiza    | Food preservation                   |
| 5                     | Alex Nuwamanya  | Pharmaceutical Grade starch         |
| 6                     | Nakachwa Fauzia | Recycling face masks and diapers    |
| <b>Under 18 Years</b> |                 |                                     |
| 1                     | Muganga Karen   | e-platform for learning agriculture |