



ABEC DESIGN COMPETITION 2020 – SECOND STAGE RESULTS

#	Institution	Project Title	Project Leader	Results
1	Kenyatta University	Remote Health Monitoring Device.	Christine were	Sponsored
2	University of Ibadan	Development of Multidirectional Mosquito Electric Barrier	John Omokayode	Sponsored
3	Malawi University of Science and Technology	Digital Pressure Monitoring Medical Device	Dumisani Namakhwa	Sponsored
4	Kenyatta University	Electrodermal Activity Measurement for Diagnoses of Psychopathologies	Stacy Kifworo	Sponsored
5	Ernest Cook Ultrasound Research and Education Institute (ECUREI)	An automatic self-inflating resuscitation bag used in the emergency care in low and middle income countries An automatic self-inflating resuscitation bag used in the emergency care in low and middle income countries	Phiona Nannungi	Sponsored
6	Lagos University Teaching Hospital	Computer based Application for Diagnosis and Prediction of Stroke	Tulowanimi Mojalagbe	Sponsored
7	Kenyatta University	Wearable Atrial Fibrillation Monitoring Device	Raphael Muiruri	Sponsored
8	University of Lagos	Low-Cost IoT Based Wearable Heart Attack Detector for Emergency R escue	Charles Osuagwu	Sponsored
9	Kenyatta University	Cheap Smart Intravenous (IV) Monitoring System	Daniel Kabugi (Ndirangu)	Sponsored
10	Kenyatta University	Device for Early Cataract Detection	Isaac Owino	Sponsored
11	Makerere University	KAINOS Blood Pressure Monitoring Device- Management of Hypertension in Pregnancy in Developing Countries	Lynette Kicoonco Mutungi	Sponsored

12	Makerere University	Non Invasive Electrical Brain Simulation to Ameliorate Neuropsychiatric & Neurodegenerative NCDs	Nyonyintono John Peter	Sponsored
13	Kenyatta University	Stationary Bicycle Kit	Rehema Kerubo (Ongwae)	Sponsored
14	Kenyatta University	Virtual Doctor Mobile Application for NCD-based Healthy Lifestyle Advisory	Susan Gitau	Sponsored
15	Jimma University	Walelgn (Body Electrolyte Analyzer)	Roza Alemayehu Teklu	Sponsored
16	University of Malawi-The Polytechnic (UNIMA-POLY)	Low cost ventilator (AMBU_VENT)	Joy Khonje	Sponsored
17	Malawi University of Science and Technology	Simple Ballard Training Model Assessment App	Racheal Nyanda	Sponsored
18	Technical University of Mombasa	Building A Software For Detecting Early Alzheimer's From MRI Data Scans Using Artificial Intelligence (SVM & AdaBoost)	Jim Muriungi Gitonga	Sponsored
19	Technical University of Mombasa	Artificial Intelligence Software For Analyzing Chest Xray And CT Images For Detecting Covid19 And Viral Pneumonia	Jim Muriungi Gitonga	Sponsored
20	Malawi University of Science and Technology	Insulin Storage System with UV Disinfection Unit for Syringes and Needles	Maureen Valle	Sponsored
21	University of Ibadan	Development of an Ayo game using Braille System	Goodness Dare	Sponsored
22	University of Lagos	Functionally Improved Glucometer	Wilfred Dieke	Sponsored
23	Technical University of Mombasa	Early Heart Attack Detector	Nyambedha Clifford	Sponsored
24	Addis Ababa University	Insulin pumps with hypoglycemia suspension	Robele Gemechu	Sponsored
25	University of Pisa	M. A. T. E. – Mobile App using Token Economy approach	A. Nocera	Sponsored
26	Addis Ababa University	Wearable Electromechanical Bimanual Uterine Compressor for Postpartum Haemorrhage	Habtemariam Mekuriaw	Sponsored
27	Ernest Cook Ultrasound Research and Education Institute (ECUREI)	A Toddlers Safety Mobile App Controlled Monitoring System_Manano	Milton Mcmoth Manano	Not sponsored
28	University of ELDORET	Designing and construction of an automatic flush toilet	Kevin Ogoro Mong'oni	Not sponsored

29	Jimma University	Automated Early Breast Cancer Detection, Screening, and Classification on thermography principle	Girmaw Yesiwas	Not sponsored
30	Kenyatta University	Suckling Enabler	Diana Nduta	Not sponsored
31	Kenyatta University	Low Cost Electronic Spirometer	Rehema Kerubo (Ongwae)	Not sponsored
32	Kenyatta University	Combating Cancer Spread in Africa	Felix Shadrack	Not sponsored
33	Kenyatta University	Stroke Detector	Raphael Muiruri	Not sponsored
34	Kenyatta University	Tackling NCDs with Smart Portable Fitness Pack	Steve Ogeto (Kinaro)	Not sponsored
35	Kenyatta University	Affordable Adjustable Hand-Posture Correcting Wrist Orthotics	Steve Ogeto (Kinaro)	Not sponsored
36	Kenyatta University	Breast Cancer Detection	Ashtone Onyango	Not sponsored
37	Kenyatta University	An inexpensive smart blind stick	Sing'oei Stella	Not sponsored
38	Kenyatta University	Intelligent Pregnancy Monitoring System	Cynthia Thuo	Not sponsored
39	Kenyatta University	Personalised dosing frequency through plasma drug monitoring	Benard Njogu (Karanja)	Not sponsored
40	Malawi University of Science and Technology	Automated, Portable blood transport box	Jonathan Mhango	Not sponsored
41	Université des Montagnes	Design of a Smart Stethoscope Coupled With Diagnostic Assistance Software	Kamga Alban Loique	Not sponsored
42	Muhimbili University of Health and Allied Sciences	ABEC Design Competition 2020 Artificial Intelligence (AI) in a Cost-effective Way to Detect Heart Failure Before Occurrences.	Simon Silinu	Not sponsored
43	Technical University of Mombasa	Portable Modern Patient Monitoring and Massage Computed Medical Device	Okiring Peter	Not sponsored
44	Technical University of Mombasa	Reusable Face Masks	Nyambedha Clifford	Not sponsored
45	Universidad Politécnica de Madrid	Multifunctional Surgical Kit for 3D printing	Irene Escudero Ramirez	Not sponsored