

Global Youth Science and Technology Bowl (GYSTB) 2021
Individual Application Finalists

Team No.	Project Title
IABC16	PaperJuan: The Utilization of Bio-Wax Extracts on Non-Wood Material for Water-resistant Paper Production
IAPE03	Sanjeevani: A Novel Automated System for Hospital Acquired Infection Monitoring and Prevention
IAPE15	Smart Automated Accident Report using IoT (SAARI)
IAPE19	A Novel Design for Wind Turbine to Harvest Air from Four Directions in Urban Spa
IAPE20	Automated Fluid Handling Machine
IAPE21	Design and Development of Silicon Based Air Actuated Soft Robot Hand for Prosthetic Application
IAPE22	Eye-tracking Powered Wheelchair
IAPE26	Carbon and dust capture for Qatar Construction Sites
IAPE30	Utilization of Humidity for Cleaning Solar Panels in Qatar
IAPE31	Utilization of TEG to Reduce the Interior Temperature of Cars in Qatar
IAPE34	Deaf Sound Tracker - DST
IAPE48	Biodegradable Cushioning Foam from Natural Composite Rubber and Extracted Cellulose Coated on 3D Mold for Laboratory Glassware
IAPE50	Car Accident Monitoring and Prevention System Using Driver's Drowsiness Detection
IAPE59	Securing QR Codes: Implementation of Data Integrity System of QR Codes by Applying Hash
IAPE62	Juan Wheel: Automated – Hybrid Powered Wheelchair Made of Bamboo
IBBC03	K-Cellulose Mask
IBBC06	Investigating Differential Gene Expression Between COVID-19 Patients with Mild Versus Severe Symptoms
IBBC31	Is Antibiotic Anti- Plants?

IBBC34	Generating Energy Using Natural Wastes
IBBC45	Effects of Smoking and Food Ingredients on Antibiotic Resistance of <i>S. mutans</i> Bacteria
IBPE09	"Blob birth zone" Position in the Edge Plasma of Tokamak GOLEM
IBPE17	Real-time Monitoring of Iron Oxide-Based Magnetic Nanoparticles for Escherichia coli Detection in Vitro using a High Sensitivity Magnetic Impedance Sensor
IBPE19	Smart Knee Brace Diagnostic Device built on Arduino-Enhanced Joint Evaluation Algorithm
IBPE22	Earthquake Magnitude and b-value prediction model using Extreme Learning Machine