Project Code:

SINGAPORE SCIENCE & ENGINEERING FAIR 2021
(MAIN CATEGORY)
ENTRY FORM

Please refer to the SSEF 2021 website (http://www.science.edu.sg/ssef) for details on the application process and all the submission requirements. **All project documents must be received <u>Friday, 29 January 2021, 23:59</u>**.

PROJECT INFORMATION		
Type of Participation:	Project Category*:	Project Sub-Category*:
Title of Research Project:		

* Please refer to Annex A for the list of categories and sub-categories. Selecting the appropriate category and sub-category is important to ensure that the assigned judges are familiar with your research topic.

DECLARATION BY PARTICIPANT(S)§		
I / We hereby certify that all the information provided to SSEF organisers is correct. I / We did not plagiarise material, forge or fabricate data, use or present other researcher's work as our own in my / our research project. I / We consent to the use of the information / project I / we submit to the organisers for publicity purpose. I / We understand that all the materials I / we submit will not be returned to me / us.		
Individual / Team Leader (i.e. team member 1)		
Full name:		School Level (e.g. Sec 3, IP4)
Signature:	School:	Date:
For Team Projects:		
Team Member 2		
Full name:		School Level (e.g. Sec 3, IP4)
Signature:	School:	Date:
Team Member 3		
Full name:		School Level (e.g. Sec 3, IP4)
Signature:	School:	Date:

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§ Note that participant(s) of SSEF may be contacted through e-mail for future STEM-related activities or surveys.

SCHOOL'S ENDORSEMENT
For individual project / team projects with members from the <u>same</u> school

Teacher-in-charge's full name:	Teacher-in-charge's email address:	
Teacher-in-charge's signature:		Date:

SCHOOL'S ENDORSEMENT
For team projects with members from <u>different</u> schools

For team member 1		
Teacher-in-charge's full name:	Teacher-in-charge's email address:	
Teacher-in-charge's signature:		Date:
For team member 2		
Teacher-in-charge's full name:	Teacher-in-charge's email address:	
Teacher-in-charge's signature:		Date:
For team member 3		
Teacher-in-charge's full name:	Teacher-in-charge's email address:	
Teacher-in-charge's signature:		Date:

ANNEX A – SSEF 2021 CATEGORIES (STATED IN BOLD AND CAPTIALISED) AND THE CORRESPONDING SUB-CATEGORIES

Please visit the website at https://www.societyforscience.org/isef/categories-and-subcategories/all-categories/ for a full description and definition of the categories and sub-categories.

ANIMAL SCIENCES (AS)
- Animal Behavior
- Cellular Studies
- Development
- Ecology
- Genetics
- Nutrition and Growth
- Physiology
- Systematics and Evolution

BEHAVIORAL AND SOCIAL SCIENCES (BH)
- Clinical and Developmental Psychology
- Cognitive Psychology
- Neuroscience
- Physiological Psychology
- Sociology and Social Psychology

BIOCHEMISTRY (BI)
- Analytical Biochemistry
- General Biochemistry
- Medicinal Biochemistry
- Structural Biochemistry

BIOMEDICAL AND HEALTH SCIENCES (BM)
- Cell, Organ, and Systems Physiology
- Genetics and Molecular Biology of Disease
- Immunology
- Nutrition and Natural Products
- Pathophysiology

BIOMEDICAL ENGINEERING (BE)
- Biomaterials and Regenerative Medicine
- Biomechanics
- Biomedical Devices
- Biomedical Sensors and Imaging
- Cell and Tissue Engineering
- Synthetic Biology

CELLULAR AND MOLECULAR BIOLOGY (CB)
- Cell Physiology
- Cellular Immunology
- Genetics
- Molecular Biology
- Neurobiology

CHEMISTRY (CH)
- Analytical Chemistry
- Computational Chemistry
- Environmental Chemistry
- Inorganic Chemistry
- Materials Chemistry
- Organic Chemistry
- Physical Chemistry

COMPUTATIONAL BIOLOGY AND BIOINFORMATICS (CO)
- Computational Biomodeling
- Computational Epidemiology
- Computational Evolutionary Biology
- Computational Neuroscience
- Computational Pharmacology
- Genomics

EARTH AND ENVIRONMENTAL SCIENCES (EA)
- Atmospheric Science
- Climate Science
- Environmental Effects on Ecosystems
- Geosciences
- Water Science

EMBEDDED SYSTEMS (ES)
- Circuits
- Internet of Things
- Microcontrollers
- Networking and Data Communications
- Optics
- Sensors
- Signal Processing

ENERGY: SUSTAINABLE MATERIALS & DESIGN (EY)
- Biological Process and Design
- Solar Process, Materials, and Design
- Energy Storage
- Wind and Water Movement Power Generation
- Hydrogen Generation and Storage
- Thermal Generation and Design
- Triboelectricity and Electrolysis

ENGINEERING MECHANICS (EM)
- Aerospace and Aeronautical Engineering
- Civil Engineering
- Computational Mechanics
- Control Theory
- Ground Vehicle Systems
- Industrial Engineering-Processing
- Mechanical Engineering
- Naval Systems

ENVIRONMENTAL ENGINEERING (EE)
- Bioremediation
- Land Reclamation
- Pollution Control
- Recycling and Waste Management
- Water Resources Management

MATERIALS SCIENCE (MS)
- Biomaterials
- Ceramic and Glasses
- Composite Materials
- Computation and Theory
- Electronic, Optical, and Magnetic Materials
- Nanomaterials
- Polymers

MATHEMATICS (MA)
- Algebra
- Analysis
- Combinatorics, Graph Theory, and Game Theory
- Geometry and Topology
- Number Theory
- Probability and Statistics

MICROBIOLOGY (MI)
- Antimicrobial and Antibiotics
- Applied Microbiology
- Bacteriology
- Environmental Microbiology
- Microbial Genetics
- Virology

PHYSICS AND ASTRONOMY (PH)
- Atomic, Molecular, and Optical Physics
- Astronomy and Cosmology
- Biological Physics
- Condensed Matter and Materials
- Mechanics
- Nuclear and Particle Physics
- Theoretical, Computational, and Quantum Physics

PLANT SCIENCES (PS)
- Agriculture and Agronomy
- Ecology
- Genetics and Breeding
- Growth and Development
- Pathology
- Plant Physiology
- Systematics and Evolution

ROBOTICS AND INTELLIGENT MACHINES (RO)
- Biomechanics
- Cognitive Systems
- Control Theory
- Machine Learning
- Robot Kinematics

SYSTEMS SOFTWARE (SS)
- Algorithms
- Cybersecurity
- Databases
- Human/Machine Interface
- Languages and Operating Systems
- Mobile Apps
- Online Learning

TRANSLATIONAL MEDICAL SCIENCE (TM)
- Disease Detection and Diagnosis
- Disease Prevention
- Disease Treatment and Therapies
- Drug Identification and Testing
- Pre-Clinical Studies