



To the
President of the International Young Physicists' Tournament



We, the organization stated below, hereby file an

Application for Recognition as an IYPT Member Organization (IMO)

in accordance with Article 7, Section 1 of the Statutes of the International Young Physicists' Tournament (IYPT).

Name of Organization:	Sciences Branch Curriculum Planning and Development Division Ministry of Education, Singapore
Legal Type of Organization: (e.g. school, university, association (NGO), ...)	Government ministry
Registration details: (if applicable)	Nil
Full Address: (including country)	Sciences Branch Curriculum Planning and Development Division 1 North Buona Vista Drive Level 11 Singapore 138675
Email Address:	contact@moe.gov.sg
Website: (if applicable)	https://www.moe.gov.sg

To comply with the regulation that applications for IMO status can only be made by someone who has participated in the IYPT before (either as an observer, team member, team leader, or juror), this application is supported by the following person who meets this criterion:

Name:	Ms Nur Zuhailah binte Hanafi
Email Address:	nur_zuhailah_hanafi@moe.gov.sg
Last participated IYPT in year:	2019
Last participated IYPT as: (observer, team member, team leader, or juror)	Team Manager, Observer

We declare that we will respect and comply with the Statutes and the Regulations of IYPT. In particular, we agree to implement an IYPT qualification procedure, which shall be open to all students/teams from the country we represent. This qualification procedure shall be organized as a non-profit event. We annex a brief description of the selection procedure performed in our country.

In case our application is accepted, we nominate the following person to represent us in the International Organizing Committee (IOC), until further notice. Changes in our IOC representative will be announced (in due time) to the President of IYPT in writing.

Name:	Associate Professor Paul Lee Choon Keat
Email Address:	paul.lee@nie.edu.sg

We give explicit consent to publish the contact details of our organization and our designated IOC representative on the IYPT website.

Date and Place: 7 June 2021, Singapore

Name and Position (e.g. President, Secretary General, ...) of the person authorized to sign this application on behalf of the organization:

Mdm Lee Lin Yee
Director, Sciences Branch
Curriculum Planning and Development Division

Signature of authorized person on behalf of organization:

Signature of person who participated IYPT before:

Signature of designated IOC representative:

Paul Lee



Annex: Brief description of the selection procedure

SINGAPORE YOUNG PHYSICISTS' TOURNAMENT (SYPT)

A modified and scaled-down version of the IYPT – known as the Singapore Young Physicists' Tournament (SYPT) – has been organised annually since 2010 for our students at two levels, i.e., Category A (for participants in JC 2, or equivalent, and below) and Category B (for participants in Secondary 4, or equivalent, and below). The aims of organising the SYPT is mainly two-fold, namely to

- a. likewise develop the skills and confidence in conducting scientific inquiry and discourse in our students, and
- b. engage more students in physics related programmes.

The SYPT also acts as a platform for us to select our best students to represent Singapore at the IYPT. The SYPT competition mechanics is as shown below:

Competition Mechanics of the SYPT

Note: The following proposed format is a modification of the present IYPT format.

I. Singapore Young Physicists Tournament

The Singapore Young Physicists' Tournament (SYPT) is a competition among teams of students in their ability to solve complicated Physics problems, to present convincing solutions to these problems, and to defend them in discussions called Physics Fights (PF) or Poster Presentations. There are 2 categories, Category A for participants in JC2 (or equivalent) and below, and Category B for participants in Sec 4 (or equivalent) and below.

II. The problems of the SYPT

Although the SYPT is of a smaller scale in relation to the IYPT, it is an opportunity to uncover possible solutions to all the IYPT problems, which are formulated by the IYPT International Organizing Committee (IOC). As such, all 17 problems will be assigned to participating schools, with 8 problems for Category A, 8 problems for Category B and 1 problem as the presentation problem for selection of teams to enter the SYPT.

III. The participants of the SYPT

Each school sends a maximum of 2 teams of 3 participants. A school teacher accompanies each SYPT team during the tournament as the team leader, and also serves as a juror in the Tournament. Participating schools also nominate another 2 Physics teachers to serve as jurors.

IV. The Jury

The Jury at each PF will consist of at least 5 members, including an independent head juror who is not affiliated to any of the participating schools in the entire tournament. The school teachers cannot be members of the Jury in a PF involving their schools.

V. Sequence of a Physics Fight

Each Physics Fight involves 2 teams – The Opponent and the Reporter.

The Opponent will first challenge the reporter by stating which problem out of the 8 or 9 they would like the Reporter to present. If the Reporter accepts, the Reporter will present the team's solution to the problem, attracting the attention of the audience to the main physical ideas and conclusions.

Next, the Opponent engages in discussion with the reporter; the Opponent puts questions to the Reporter and analyses the advantages and drawbacks of both the solution and the presentation of the Reporter. The Reporter defends his/her solution and presentation. The Physics Fight ends with the Jury posing questions to the two teams.

VI. The Final

The two teams having the highest total scores after the four Physics Fights will participate in the Final.

VII. Final team rankings

The top two teams in the Final PF are awarded the Gold Awards with the winner of the Final PF winning the champion trophy. The next 3 teams are awarded the Silver Awards, followed by the Bronze Awards. All other teams receive certificates of commendation. Those who are in the Poster Presentations category will be awarded the certificates of distinction, merit or participation.