



YISF 2024 1st Round Results

Category №2 Physics, Astronomy and Engineering

No	Participants	Project Name	Country	Advances to the finals (yes/no)
1	Matveeva Angelina Valeryevna	Study of the functioning of solar panels in Yakutia	Russia	Yes
2	Yegorova Darya Yevgenyevna	Effect of bubbles on the heat transfer in heat pipes Влияние пузырьков на перенос тепла в тепловых трубках	Russia	Yes
3	Korionova Darya Ilinichna	Elaborating a simple model of a centrifugal pump and theoretical description of its performance Разработка простой модели центробежного насоса и теоретическое описание его работы	Russia	Yes
4	Semenikhin Timofey Ivanovich	Constructing an electrometer with high accuracy Разработка электрометра высокой точности	Russia	Yes
5	Orosin Ayastan Alexandrovich	Creation of an algorithm in Python for automatic registration of polar lights	Russia	Yes
6	Mr. Eymen Kaykusuz Mr. Rifat Çağan Özbent"	Detection of Microplastics in Liquid by Polarization of Light	Turkey	Yes
7	Mr. İsmail Toygar Koyun Mr. Kerem Aykan Aydoğan Mr. Furkan Aydın"	Piezoelectric(PEG)-Triboelectric(TENG) Hybrid Generator Design and Energy Harvesting from the Wheel	Turkey	Yes
8	Ms.Kaylee-Jane Koen Ms. Moya Wolvaardt"	Borehole hydroelectric power generation	South Africa	Yes

9	Mr. Ismaail Hassen	Walk-Man: Visual Assis/ve Device	South Africa	Yes
10	Mr. Ritvik Chawla	Smart E-Bin: Revolutionizing E-waste Management	India	Yes
11	Mr. Shahab Khodaparastshendi Mr. Kasra Taghizade Ms. Sara Khoshdoni Farahani Mr. Yona Khabiri Mr. Koroush Khodayari	Smart staircase system base on self energy harvesting system	Iran	Yes
12	Mr. Mehrad Faridi Mr. Parsa Sajjadi Mr. Armin Tohidasl"	Holonomic Mobile Hospital Trolley with Mechnom Wheels Capable of Tracking Patients Using Image Processing, Accompanied by a Robotic Arm	Iran	Yes
13	Mr. Padra Ghazvinian Mr. Iliya Rezazadeh"	Facial Expression Recognition for Human Healthcare Systems	Iran	Yes
14	Mr. Ilija Haji Mr. Mehrad Faridi"	Beyond Limits: An Intelligent Wheelchair for Inclusive Living	Iran	Yes
15	Mr. Ariyan Askari Mr. Arshan Hajmali"	AI-Driven Mobile Surgical Trolley	Iran	Yes
16	Mr. Amir Mohammad Kazemiyani Mr. Armin Tohidasl"	Smart Wardrobe Robot: Revolutionizing Clothing Selection and Management	Iran	Yes
17	Mr. Mohammad Rafie Sulthan Mr. Muhammad Adinata Parikesit Mr. Muhammad Rafi Althaf Wiratara Mr. Muhammad Dzaky Al Syaddad I.	"Riven" (Trivergent Energy), Maximizing Climate Potential as a Renewable Electrical Energy Source to Optimize the Electricity Supply of Tsunami Early Detection System	Indonesia	Yes