

MEYHAR DUDEJA

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I am a very passionate person about Physical Sciences and Technology and wish to one day become a researcher at The Institute of Advanced Study in department of Physics.

EDUCATION

09/2020- 05/2022

VENKATESHWAR INTERNATIONAL SCHOOL, SEC-10, DWARKA

NEW DELHI-110075

Central Board of Secondary Education

04/2009- 07/2020

ICSE CLASS 10 BOARDS, DR. VIRENDRA SWARUP EDUCATION CENTRE, KIDWAI

PERCENTAGE – 92.8%

NAGAR, KANPUR, UP-208011

Affiliated to Council of Indian School Certificate Examinations.

MAJOR AND RESEARCH INTERESTS

Major Physics (BS) and Computer Science (BS)/Mathematics (BS)

Research Interests Simulation based research in various fields like astrophysics, optics and electricity and magnetism etcetera. Data Analytics.

LEADERSHIP POSITIONS HELD

10/2020 - PRESENT **VIS SCIENTIA SOCIETY, Founder, Core Team**

Introduction The Science Society of Venkateshwar International School. I founded it in collaboration with 3 seniors of class 12 and Mrs Nivedita Naithani Ma'am, HOD Biology. The Club was then divided into 3 sub committees. I chose the Organization committee in which I am still the core team head. By Feb we were the largest most active club in school. Our work paid off.

Responsibilities In 2020, it was more like 4 of us doing the work together irrespective of committee as the club in developing stages. In 2021 I continued to remain head with 3 people in my team. We organize competitions and hold events with outside experts .

04/21 – Present **VIS Public Speaking Society, Founder, Core Team**

Introduction The public speaking society of Venkateshwar International School. This was the ambition of my English teacher that we should have a public speaking society to which I volunteered. It is for classes 11-12 only for now.

Responsibilities Being a Core team member, it is my responsibility to look after the activities in club and counsel those who aren't confident in public speaking and communication skills.

05/14 – Present **VSEC Quizzing Elite**

About Officially, this name was made in 2017. This is the group of current and ex-students of Dr. VSEC, KN, who were exceptional in quizzing and won many events. I am still a member of this club. My GK teacher at VSEC is the head of this club. All members are equal

03/20 – 05/21 **Local Webbers Inc., Founder, CEO**

Introduction It was a Company that I founded with my friends from my Previous School in Early Days of Lockdown. The work was to create website for local business to go for ecommerce.

As of Now We created a website for ourselves and tried to sell our services however we were unsuccessful in meeting sale targets and we had to shut down the company.

Projects

08/20 – 05/21 **BabyPIC (E-M Simulations)**

Introduction This project simulates particles in form of FPFs with defined charges in influence of Electric and Magnetic fields.

Collaborators Siddhant Solanki (now a UC Santa Barbara Graduate) (also my mentor)
Xin Sheng (now a UC Santa Barbara Junior)(a very good friend)

Responsibilities I was involved theoretically and at a later stage for testing and plotting results.

05/21 – 08/21 **Distillery and Brewery**

01/21 – 02/21 **Audio Drishti- (Audio Vision)**

Introduction In this project we created a helmet which played messages when an object came near to it from that direction. We used ultrasonic sensor provided with Arduino and then we programmed the Arduino to make the sensor emit Ultrasonic waves. We approximated the distance by multiplying velocity of sound in air to half of time taken by wave to reach back sensor.

Collaborators Fellow Class 11 students at VIS

Responsibilities I did the programming part in Arduino language (advanced C++) with some help from my Computer teacher Mrs. Meenu Kumar

Extracurriculars & Achievements

05/21 Citi APAC Investment Banking Virtual Reality Intern Experience

02/21 City Montessori School, Indira Nagar, Lucknow, International Novus Conference

Event Metamorphose – Experiential

Award Our project Audio Drishti won the first prize in this international event

11/20 Goldman Sachs Engineering Virtual Program

10/20 - 11/20 JPMorgan Chase & Co. Software Engineering Virtual Experience

- 08/20 Harvard Model United Nations, India, Represented-The Federated States of Micronesia, in UN Security Council.
- 11/19 Inter House Senior GK Quiz.
Award Bagged the First Position
- 09/19 Tech Era 2019 (Robo Soccer) – (Tech Era- The Technology Festival of Dr. VSEC, KN; Robo Soccer- The event in which me and a Class 9 Student designed a Robot that had to play soccer and make goals.)
Award We Bagged the first Position
- 07/19 Antaragini (Cultural Fest of IIT Kanpur), InterSchool GK Quiz. Represented my school in 9-10 division
- 04/19 SHS Nations (Shieling House School Model United Nations), Represented The Commonwealth of Dominica.
Award Received Honorable Mention
- 10/18 20th Metro Inter School G.K. Quiz Competition by Rotary Club of Kanpur Metro
Award Consolation Prize
- 20-15,16,17,18 Participated in Various GK quizzes at inter class and house and school levels and was awarded 1st prize in almost all of them
- 15-16 Academic Excellence bagged 3rd position
- 15-16 Trinity College London – Graded Examination in Spoken English Grade 3 CEFR- A 2.1
With Distinction

Hobbies and Somethings about me

- **If there is something I love more than anything other than my family and friends then it has to be food. I am very passionate about cooking and tasting food. I follow a Lacto - Vegetarian Diet.**