

PORTFOLIO

PRATEEK SHARMA

Prateek Sharma

15-09-1996



About Me

I am ambitious and self motivated sketch artist and product designer with a passion for design. I have Done Engineering in Mechanical department from Ajmer.

I love Sketching and have been doing it professionally for 6 years.

Contact

📍 Ajmer, Rajasthan

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📷 @artistic_prateek

Skills

Product Design

Portrait Sketching

Interaction Design

Tools

Figma

Adobe Photoshop

Adobe Illustrator

learning Python

Interests

Sketching

Product sketching

Yoga

Books

PROBLEMS IN A STANDARD EXTENSION

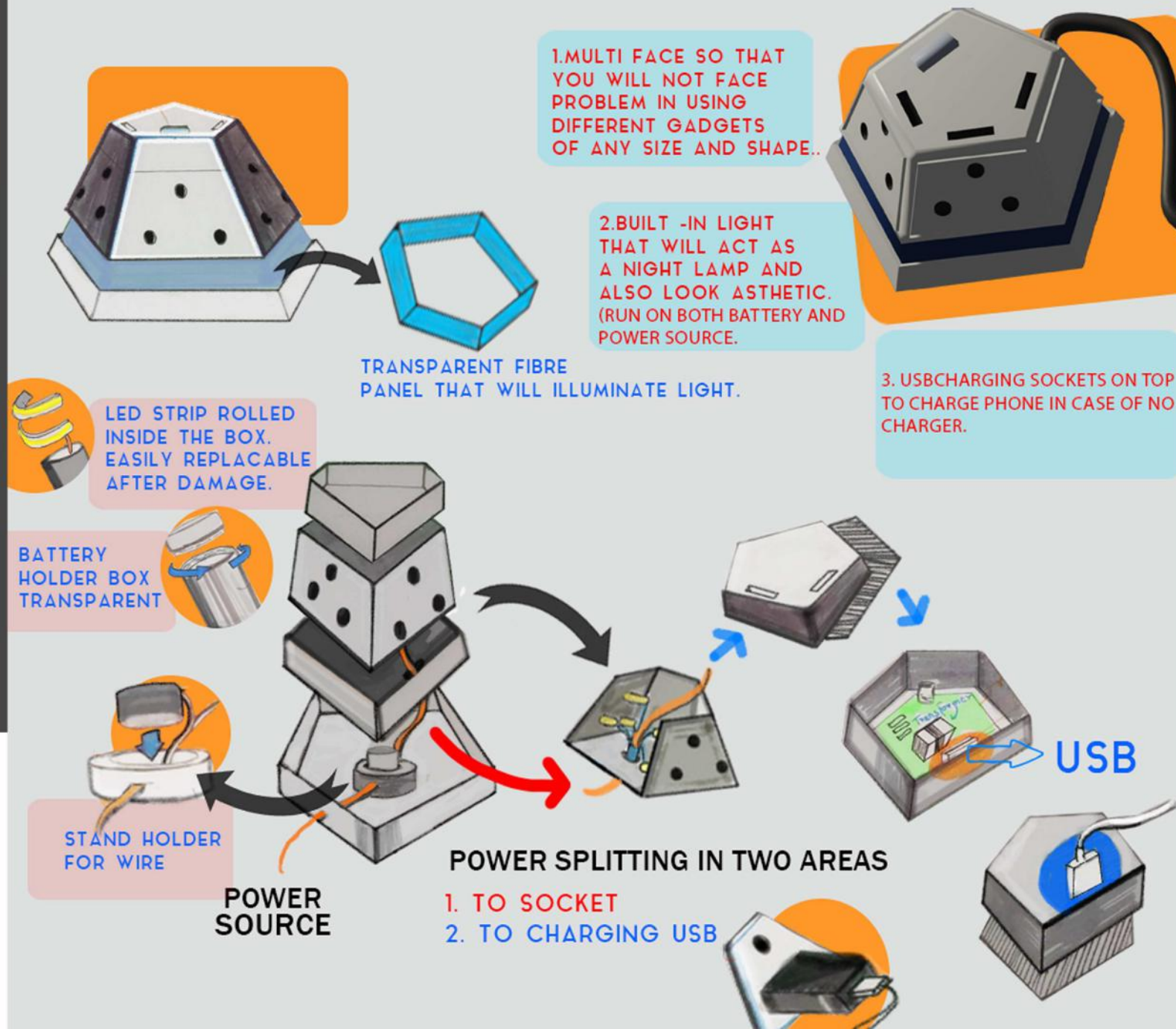


INEFFICIENT SPACING
LEADS TO REDUCTION IN
SPACE.
MULTIPLE SOCKETS ARE
NOT UTILISED PROPERLY.

SOME MORE THINGS THAT
CAN BE INTRODUCED
A SMALL BATTERY INSIDE IT
THAT CAN WORK AS A BACKUP
FOR WIFI ROUTER IN CASE OF
POWERCUT.

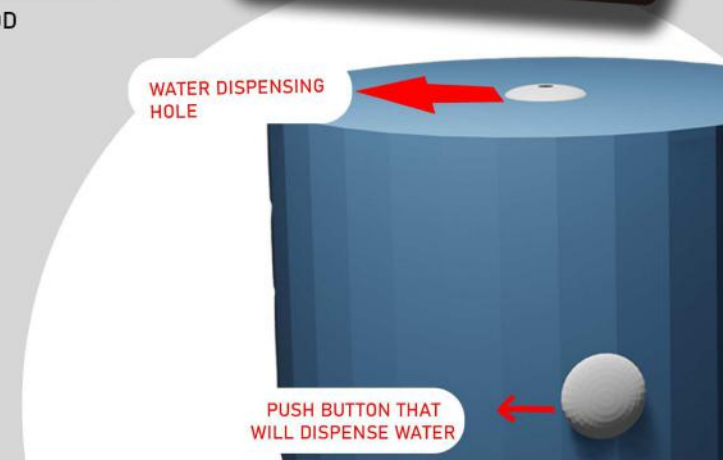
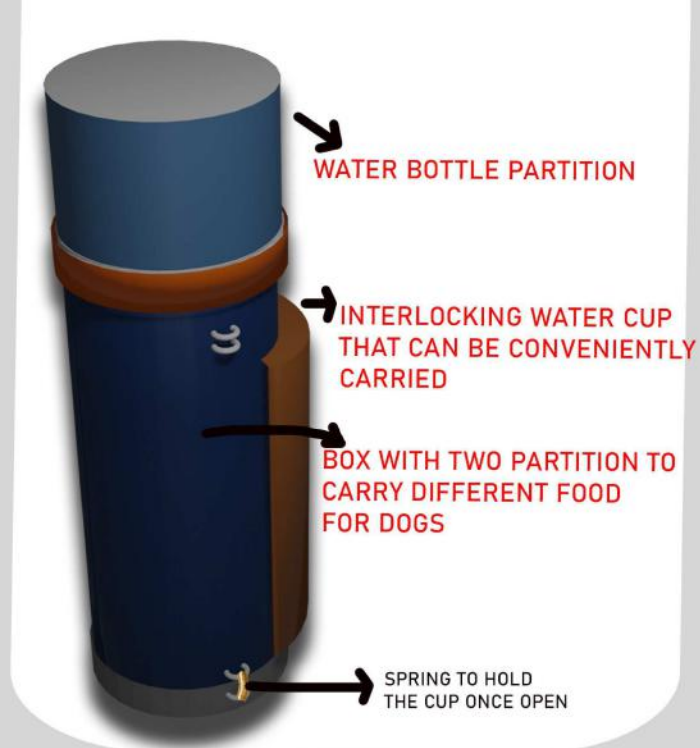
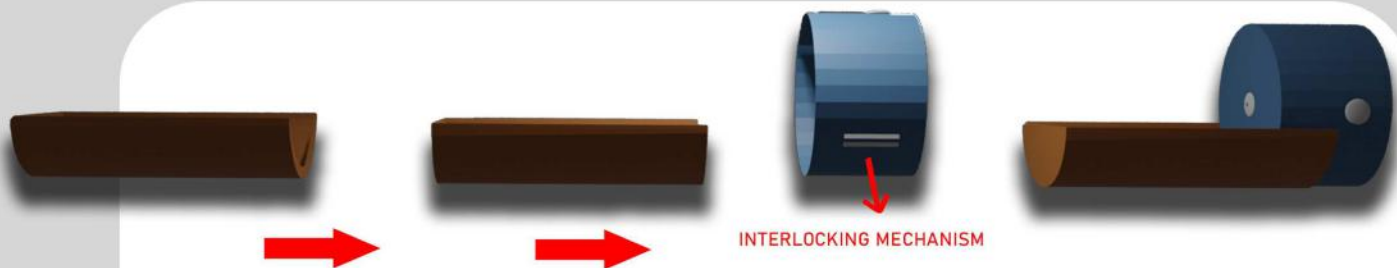
PENTA-GO

ELECTRIC EXTENSION THAT ALLOW THE USER TO USE
MULTIPLE GADGETS FROM A SINGLE POWER SOURCE





BOX WITH TWO PARTITION FOR DIFFERENT FOOD



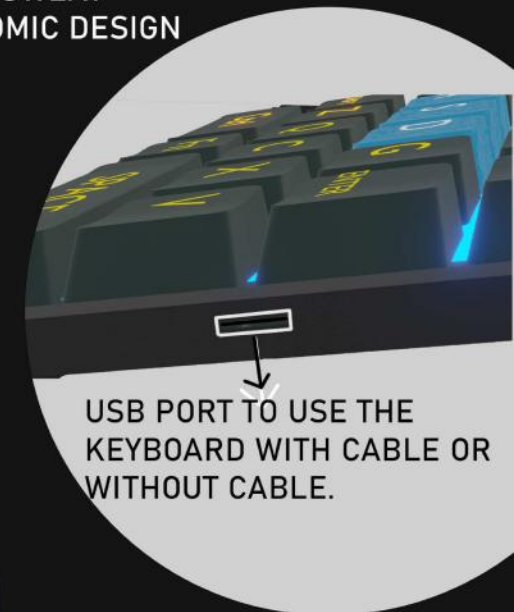
GOOD PRODUCT IS IMPORTANT IN EVERY ASPECTS OF GAME IF YOU WANT TO EXCEL IN THAT GAME BE IT CRICKET, BADMINTON ETC. SAME THING GOES FOR GAMING INDUSTRY. MANY FPS GAMERS LAG BEHIND DUE TO LACK OF THE GEAR ACCORDING TO THEIR NEED.

K-O KEYBOARD IS A CONCEPT KEYBOARD THAT WILL EASE THE FPS GAMERS AND WILL ACT ACCORDING TO THEIR NEED.

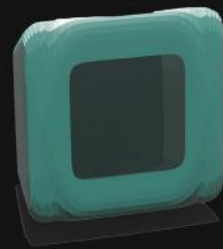
- KEY FEATURES
- ERGONOMIC DESIGN
- SWAPPABLE BUTTONS
- RGB LIGHTING
- QUIET MECHANICAL KEYS



HAND REST WITH
BREATHABLE FABRIC
TO PREVENT SWEAT
AND ERGONOMIC DESIGN



USB PORT TO USE THE
KEYBOARD WITH CABLE OR
WITHOUT CABLE.



SWAPPABLE KEYS



SEMESTER WORK MECHANICAL DEPARTMENT

INTRODUCTION

DUE TO ENVIRONMENTAL ISSUES AND LIMITED FOSSIL FUEL RESOURCES, MORE AND MORE ATTENTION IS BEING GIVEN TO RENEWABLE ENERGY SOURCES. IN THE RECENT YEARS SOLAR ENERGY HAS BEEN STRONGLY PROMOTED AS A VIABLE ENERGY SOURCE. ONE OF THE SIMPLEST AND MOST DIRECT APPLICATIONS OF THIS ENERGY IS THE CONVERGENCE OF SOLAR RADIATION INTO HEAT.

DISTILLATION IS THEREFORE NORMALLY CONSIDERED ONLY WHERE THERE IS NO LOCAL SOURCE OF FRESH WATER THAT CAN BE EASILY PUMPED OR LIFTED. HUMAN BEINGS NEED 1 OR 2 LITRES OF WATER A DAY TO LIVE. THE MINIMUM REQUIREMENT FOR NORMAL LIFE IN DEVELOPING COUNTRIES (WHICH INCLUDES COOKING, CLEANING AND WASHING CLOTHES) IS 20 LITRES PER DAY .YET SOME FUNCTIONS CAN BE PERFORMED WITH SALTY WATER AND A TYPICAL REQUIREMENT FOR DISTILLED WATER IS 5 LITRES PER PERSON PER DAY. THEREFORE SOLAR STILL ARE NEEDED FOR EACH PERSON SERVED. SOLAR STILLS SHOULD NORMALLY ONLY BE CONSIDERED FOR REMOVAL OF DISSOLVED SALTS FROM WATER. FOR OUTPUT OF 1M³/DAY OR MORE, VAPOR COMPRESSION OR FLASH EVAPORATION WILL NORMALLY BE LEAST COST.

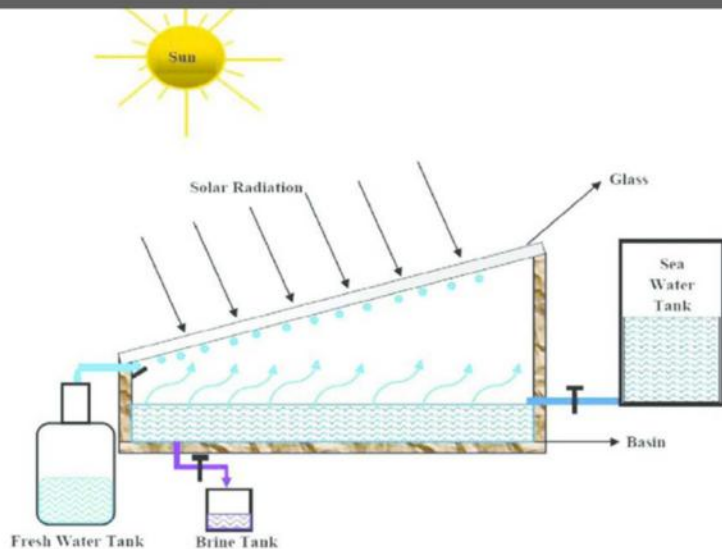
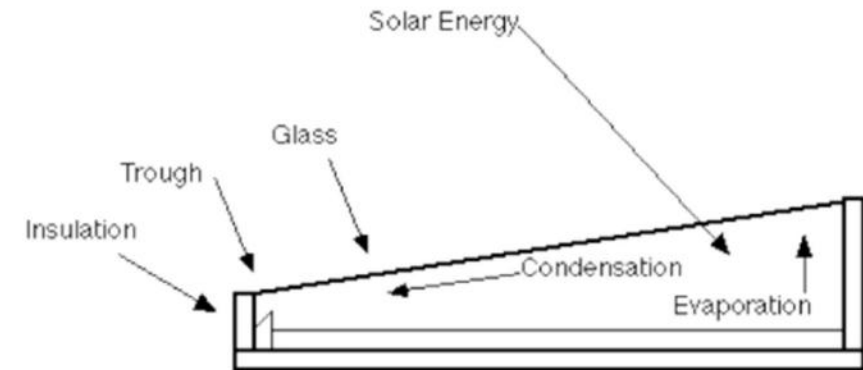


Figure 3 Single Slope Solar still

THIS PROCESS REMOVES SALTS AND OTHER IMPURITIES. SOLAR DISTILLATION IS USED TO PRODUCE DRINKING WATER OR TO PRODUCE PURE WATER FOR LEAD ACID BATTERIES, LABORATORIES, HOSPITALS AND IN PRODUCING COMMERCIAL PRODUCTS SUCH AS ROSE WATER. IT IS RECOMMENDED THAT DRINKING WATER HAS 100 TO 1000 MG/L OF SALT TO MAINTAIN ELECTROLYTE LEVELS AND FOR TASTE. SOME SALINE WATER MAY NEED TO BE ADDED TO THE DISTILLED WATER FOR ACCEPTABLE DRINKING WATER.

WORKING OF SOLAR STILL

SOLAR STILLS ARE CALLED STILLS BECAUSE THEY DISTIL OR PURIFY WATER. A SOLAR STILL OPERATES ON THE SAME PRINCIPLE AS RAINWATER: EVAPORATION AND CONDENSATION. THE WATER FROM THE OCEANS EVAPORATES, ONLY TO COOL, CONDENSE, AND RETURN TO EARTH AS RAIN. WHEN THE WATER EVAPORATES, IT REMOVES ONLY PURE WATER AND LEAVES ALL CONTAMINANTS BEHIND. SOLAR STILLS MIMIC THIS NATURAL PROCESS. A SOLAR STILL HAS A TOP COVER MADE OF GLASS, WITH AN INTERIOR SURFACE MADE OF A WATERPROOF MEMBRANE.



TEMPERATURE SENSOR
TEMPERATURE SENSOR ARE USED
TO CALCULATE THE TEMPERATURE
OF DIFFERENT PARTS OF STILL
BASIN.



| Parts name | Material | Purpose Of selection |
|--------------------------|-------------------------|---|
| Still basin | Acrylic | low thermal conductivity |
| Casing | Acrylic | low thermal conductivity |
| Top Cover | Glass | High transmittivity |
| Heat storage Material | iron sheets with fin | High thermal conductivity and Cost effective |
| Water collector | Acrylic | Low thermal coinductivity |

SOLAR STILL

CONSTRUCTION



TEMPERATURE
SENSOR

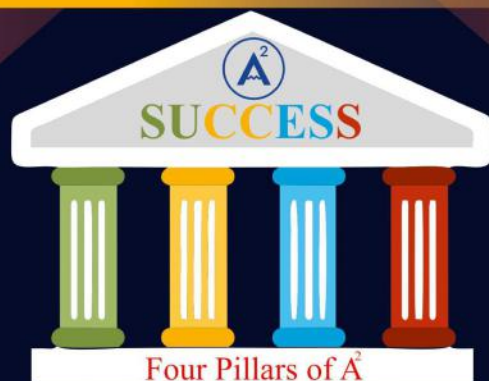


Figure 11 Iron plate with fins painted black



Figure 12 Inlet port





Mr. C.P. Sharma : Director

- His working agenda is "Keep your heart and mind open, and make good choices today".
- He is not only the father of Akhil Sharma but also the mentor of Akhil Academy.
- His friendly behaviour gives students a comfort zone to share their problems and he guides and motivates them to follow the right path in life.
- He works as a glue to hold students and educators as a family together.

Mrs. Bharti Sharma : Financial Advisor

"Sometimes the strength of motherhood is greater than natural laws".

- She provides proper environment for right development of Academy.
- She nourishes A^2 with purest love and right decisions.
- Her work resembles with the neck of one's body which keeps the brain and body together.
- As a financial advisor she consults and advises about the academy's growth.
- She holds the accounts and treasury to make respective payments in the Academy.

Abhishek Yadav, Praveen Sharma & Abhishek Singh Iglasia: Board Members.

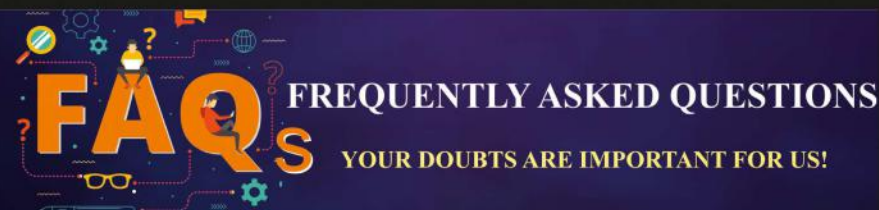
- As **HOD Mathematics, HOD Chemistry and HOD Humanities** these three devoted their time and efforts from the very beginning in development of Akhil Academy.
- As very close friends they also work as professional consultants regarding all the important decisions.
- As a pillar, all of them stand in all ups and downs and give their best to keep up the working and moral of A^2 .

Prateek Sharma, Abhimanyu Soni, Hemant Tiwari & Anshika Kararia

- **Prateek Sharma** - Designer, he design banners, prospectus & other important designs for Academic progress.
- **Abhimanyu Soni** - Content Writer, he research & organise all the data regarding banners & prospectus
- **Hemant Tiwari** - Video Editor, he shoot and edit all the videos & make advertisements to showcase Academy at its best.
- **Anshika kararia** - She works as a development associate to complete contacting & building relationships with students. She assists in completion of notes and holds the academic online panel.

Thankyou to all the pillars of A^2 for the priviledge of your generosity and support.

AKHIL ACADEMY | IIT-JEE | Medical | Foundation



1. What role does A^2 play?

- Regularity, structured & smart work, regular guidance on avoiding common mistakes, strategies & techniques to crack various exams, counseling sessions & motivation.

2. What should be a parent's role?

- Parent's must ensure that student doesn't miss any lecture at any cost. If due to some unavoidable circumstances he/she has missed one, our educators will try to help him to cope up some lectures.
- In case parents realize that student is underperforming they must immediately take an appointment with the counsellor faculty and get the problem solved.

3. What are the common mistakes by students?

- In most of the cases, students missing a lecture, find it very difficult to understand subsequent lectures as well as topics linked.
- Even after trying hard, his inability to understand concepts frustrates him, he start finding reasons (excuses) to safeguard himself from parent's agony by giving baseless excuses.
- In few cases when a student is on the right track and is putting in his efforts but is not able to score well in the exams because of lack of examination skills. And they suffer because of lack of consistency.

4. Does A^2 prepare students for school/board exams?

- Since the boards are part of the entrance procedure in competitive exams, we cover board syllabus as well as conduct mock tests on various board patterns.

5. Are 2 years enough for JEE/NEET preparation?

- Yes, 2 years are enough for preparation, if the preparation is done very seriously. However many students start **JEE/NEET** preparation from as early as starting of 11th standard.

6. Will preparation for the JEE/NEET disturb the 12th board studies?

- The syllabus of **JEE/NEET** also covers the syllabus of class 12th.
- Therefore it will not disturb 12th. In fact a well planned and well coordinated work for **JEE/NEET** will definitely help in preparation for foundation/boards. A consistent effort, dedication and right guidance throughout the academic year will get you through your goal.

7. What's the batch size at A^2 ?

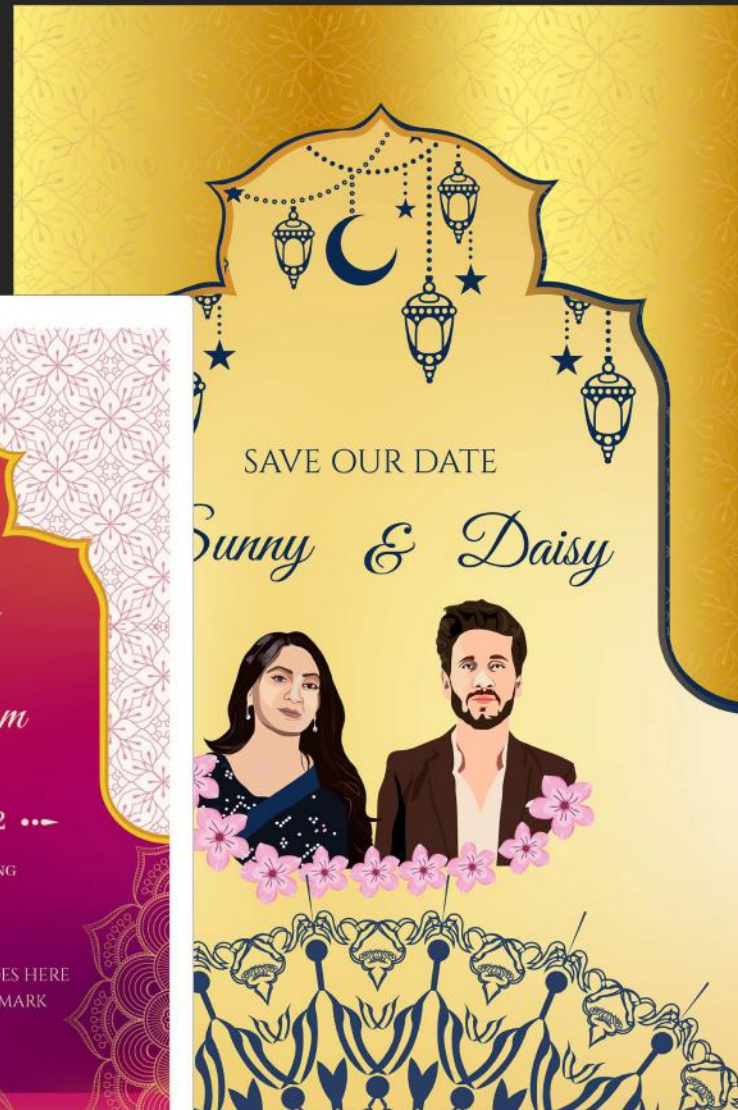
- An average batch size could be max 30-35.
- The smaller the batch, the more personal attention you get.

8. What's the fee structure? And is there any discount policy?

- This is usually the first question which is asked. Our fee structure is minimum as compared to other institutes in Ajmer District, except that we offer 2 installment submission and up to 100% scholarship.
- Usually discounts/scholarships are offered on the following basis:
 - ➔ **ASSET- A Square scholarship entrance test.**
 - ➔ Marks secured in past examination.
 - ➔ You can expect up to 100% fee refund if you top the exam or secure more than 95% in exam.

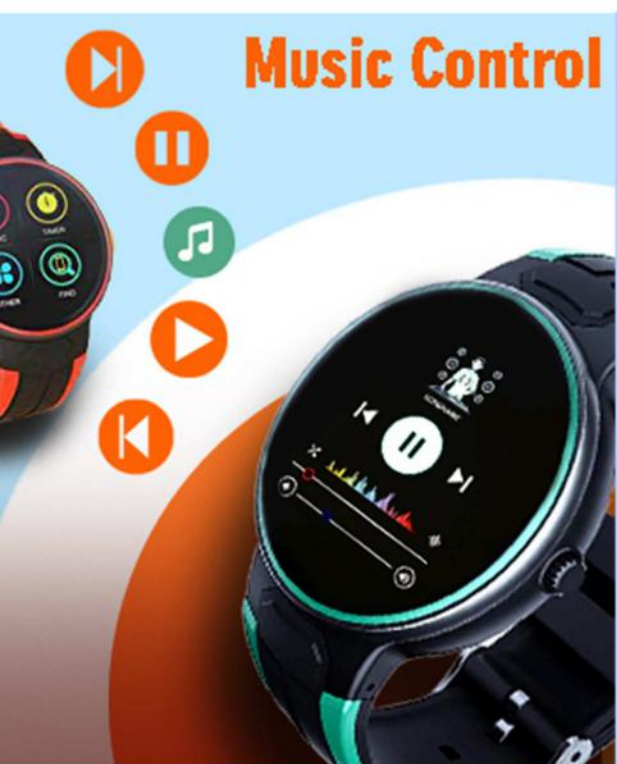

AKHIL SHARMA
(DIRECTOR A^2)

GRAPHIC DESIGN

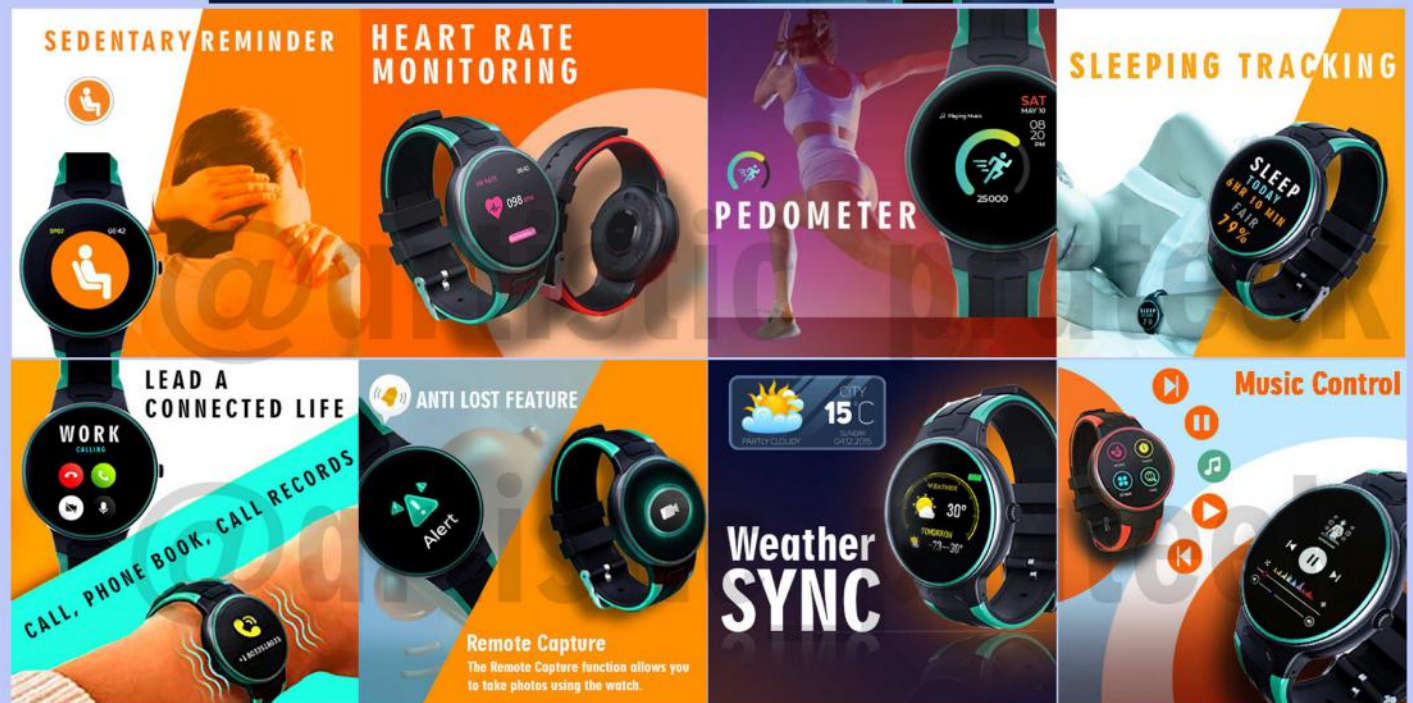




DOMETER



Music Control



SEDENTARY REMINDER

HEART RATE MONITORING

PEDOMETER

SLEEPING TRACKING

LEAD A CONNECTED LIFE

ANTI LOST FEATURE

Weather SYNC

Music Control

CALL, PHONE BOOK, CALL RECORDS

Remote Capture
The Remote Capture function allows you to take photos using the watch.



SMART FEATURES

- SEDENTARY REMINDER
- CAMERA CONTROL
- ALARM STOPWATCH
- WEATHER CONTROL
- MUSIC CONTROL
- DRINK WATER REMINDER



Font Used
 Myriad Variable Concept
 Myriad Variable Concept Regular 13 pt
 Myriad Variable Concept Regular 11 pt
 Myriad Variable Concept SemiCondensed Italic 10 pt
 Myriad Variable Concept Regular 8.67 pt
 Myriad Variable Concept Regular 7.2 pt

Color Code

C-90 M-42 Y-55 K-22



C-40 M-5 Y-20 K-0



*CMYK space for Print Use.



DIGITAL ILLUSTRATIONS

CORRUPTION

THE QUICK CORRUPT
POLITICIAN JUMPS OVER
THE LAZY SOCIETY.



Bribe

ER
NAL
PTION DAY

ONS

MAKE THE CHANGE
DO NOT BLAME



VOTE
INDIA

GENERAL ELECTION
2021

COVID-19

Be Ready to Fight COVID-19



WEAR MASKS

GET VACCINATED

ITS OUR RESPONSIBILITY TO SAVE THE WORLD

DIGITAL ILLUSTRATIONS

STOP POLLUTION

DELHI'S AIR



On 7 November 2016 the PM 2.5
levels in Delhi shot up to a high
999, much above the recommended
60 micrograms.

Fine particles(PM 2.5) Pollution can cause
Coughing
Shortness of breath
Cardiovascular diseases
COPD

WORLD ENVIRONMENT DAY

5 JUNE 2021

FLYERS & PHAMPLETS


AKHIL ACADEMY
 IIT-JEE | Medical | Foundation

ADMISSION ANNOUNCEMENT
SESSION 2021 - 2022

BOARDS | NTSE | OLYMPIAD



Coloured Notes
 Online test Series
 Digital numericals sheet
 3 Times Revision
 4000+ MCQ
 Question Practice

X To XI
Moving Students

Batch Starting From
Phase 1: 29 April
Phase 2: 6 May

ONLINE/OFFLINE
LIVE STREAM

Scholarship UP TO 90%

(7597272726; 9314333666) | FOLLOW US
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AKHIL ACADEMY
 IIT-JEE | Medical | Foundations
 Analytics & Academics

Registration open 2021-2022

IX | X | XI | XII | XIII | IIT-JEE | MEDICAL
 PCM / PCB / COMMERCE / ARTS

Your child's future is our priority

Study smart & get the result you want

The only institute in Ajmer, which gives maximum number of students who score 90% + marks in board examination.

Where Students come **FIRST!!**

Focussing on overall personality improvisation of students

Enroll Now

Welcoming session 2021-2022

FREE KYC Conduction Session
 (Know Your Child)

1 Proficient faculty
 2 Upto 100% scholarship
 3 RFID system
 4 Competitive atmosphere
 5 Doubt clearing session
 6 Personalized attention
 7 Periodic PTM
 8 Motivational session

For Booking Contact

NOW

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FREE DELIVERY
 ON ORDERS ABOVE RS 250/-


Only Disposable Cutlery.
 Online and Wall Menu.
 Distance Seating.
 Mask Mandatory.


Come Sober, Leave Intoxicated
 CAFE & LOUNGE


IT'S ALL ABOUT GOOD FOOD.


CHOCO MECH COFFEE


B.M.C. KING PIZZA


ALFREDO PASTA


PERI PERI FRIES


MEXICAN WRAP

A-5, NEAR PRERNA GIRL'S HOSTEL, SHALIMAR COLONY
 ADARSH NAGAR, AJMER, RAJASTHAN

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AKHIL ACADEMY
 IIT-JEE | Medical | Foundation

ADMISSION ANNOUNCEMENT
SESSION 2021 - 2022

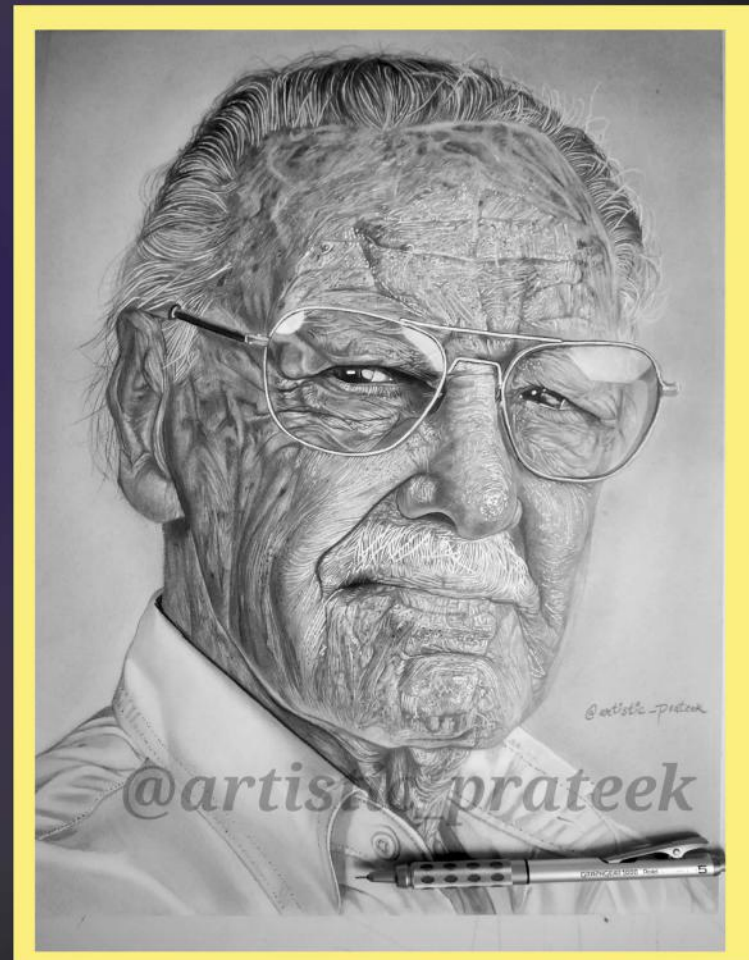


X To XI
Moving Students

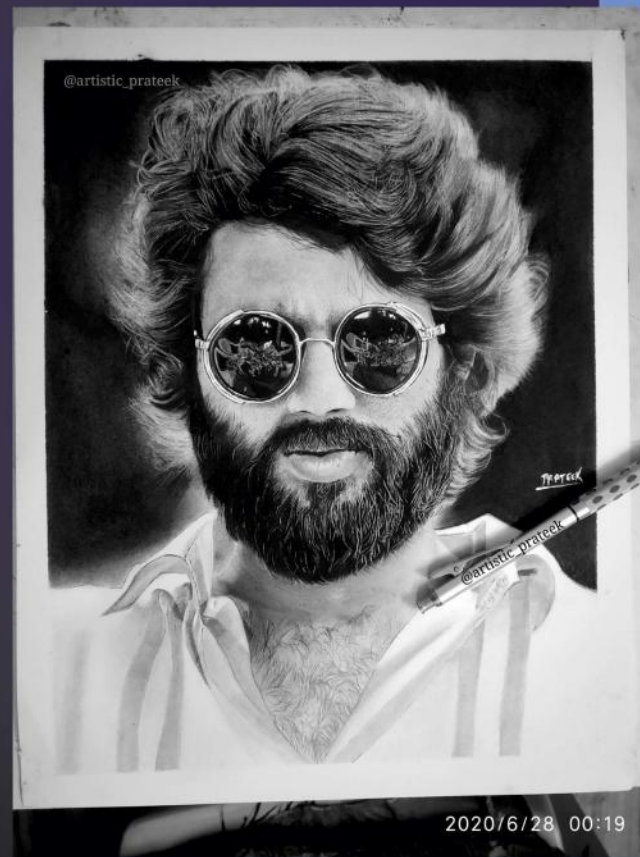
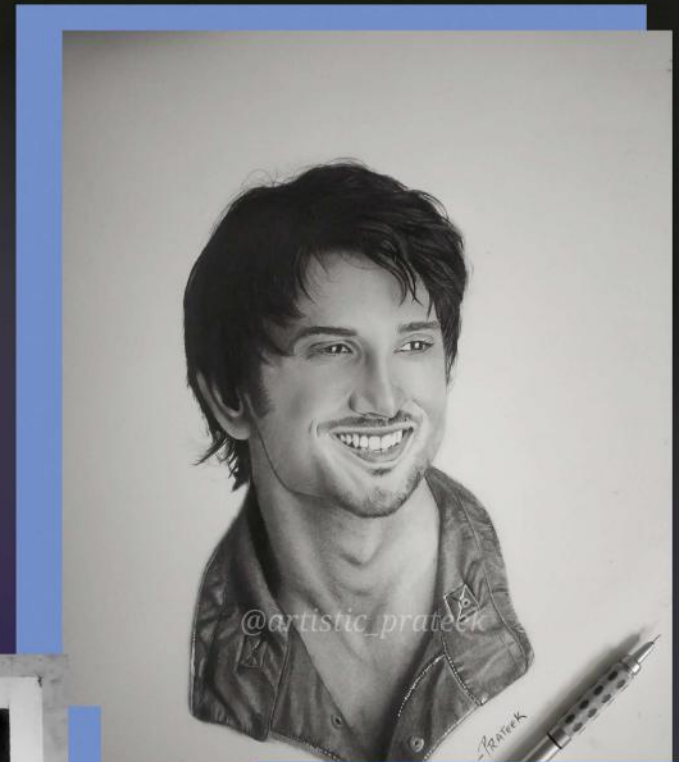
For Classes IX, X, XI & XII

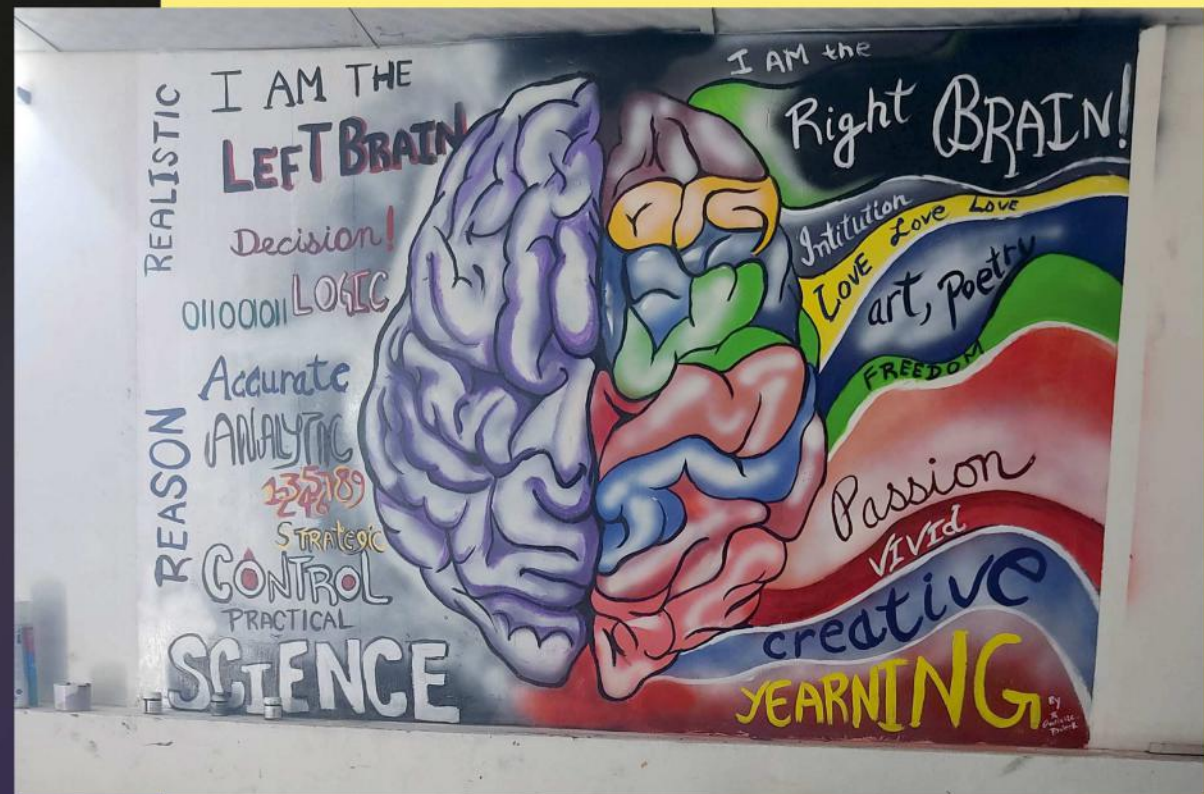
Coloured Notes
 Online test Series

Batch



MY SKETCHES





Wall Paintings