

**SARVAJANIK COLLEGE OF ENGINEERING &  
TECHNOLOGY**

**Computer Engineering Department**

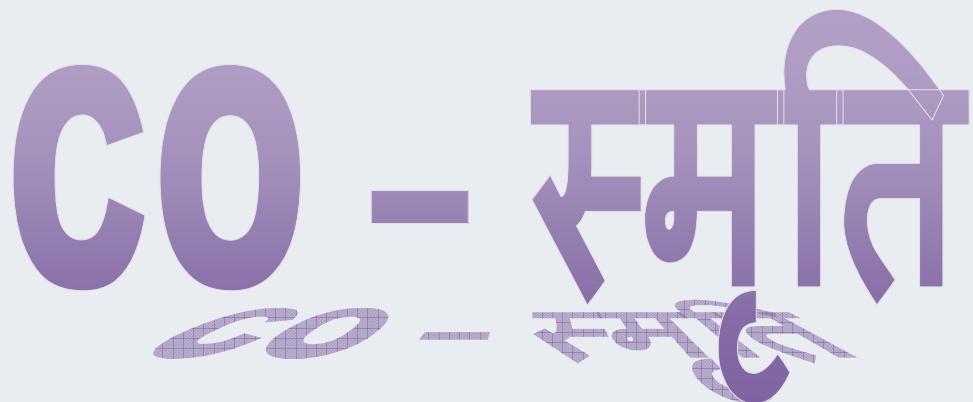
**CO-स्मृति**

**The Connecting Bytes**



**Fourth Edition**

**{ Dec 2018 }**



## *The Connecting Bytes*

CO- स्मृति is not just a magazine; it is a journey, a beautiful replica of Computer Engineering Department. This is our own collection of memories by us for us. As it says, it is the connecting bytes between all of us. This is a celebration of art achievements, memories. It allows us to free ourselves and express ourselves in a better way. Here, we believe that every art is worth appreciation and every achievement is worth celebrating.

So, here it is the celebration, hard work, discipline, joy and a lot more.....

# MOTIVATING WORDS FROM HEAD OF DEPARTMENT

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It's officially fourth edition. Three tiny steps and CO-स्मृति has turned 4 now.

We are happy and proud to share that with every edition- creativity, enthusiasm, zeal, innovation of our students have improved beyond horizons. When we have this fourth edition to be unveiled, we are happy to see the tremendous artistic creativity our students possess. And this was the original thought behind starting CO-स्मृति to provide platform to our budding artists.



From stories-poems-articles to technical articles, from cartoons to sketches, from paintings to photographs- our students have marveled in every dimension and CO-स्मृति is a way to exhibit this excellence.

We wish that with coming editions more and more students and faculties will contribute to CO-स्मृति and help us to document- share-spread our achievements, talents, creativity.

With lots of Best wishes and Love,

Prof. (Dr.) Keyur Rana

Head, Computer Engineering Department,

SCET, Surat.

# WORDS OF FULFILMENT FROM FACULTY COORDINATORS

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**4 is fun !**

We are 4 Now.

It has been a fun journey to witness achievements, glory, creativity, events, contribution-everything happening in our beloved department. **CO स्मृति** - a dream seed implanted by Head of The department- Prof. (Dr.) Keyur Rana has been now a grown up fruitful tree and we are proud to be part of it. We have learnt and evolved with every edition. We have improved and involved with unbound enthusiasm, love and support we received from all the students and staff members. Once again we are here to share with you all- memories of this semester and we hope you will enjoy this journey as much as we have enjoyed engraving them.



We will await for your inputs, feedbacks, suggestions, contributions at [cosmriti@gmail.com](mailto:cosmriti@gmail.com).

Lets make memories together and cherish them together, awaiting for CO-  
स्मृति -5 ahead coming semester!

Thanking you all in anticipation.

Prof. Bhumika Shah

Prof. Dhatri Pandya

## **EDITORIAL TEAM(STUDENTS) MESSAGE**

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*CO Smriti as the name says has become the connecting bytes for me to my love for writing. It connected me back to the lost myself. For me, being a team member is not just about a magazine but about living the experience called CO-SMRITI, the connecting bytes. I want to thank everyone for being a part of this amazing experience. All the hard work and time I have spent on the magazine will be worth when you all will be smiling while reading it. So finally here it is.... Enjoy, Live it!*

*- Komal Pungalia (160420107024)*

*'connecting bytes'*

*The hearts around us are filled with art, stories, poem, thoughts, memories and achievements. In between connecting wires of computers, we thought, let's connect everyone through different strings of hearts and so we came up with another edition of co-smriti. Working under it, from confusion, hardwork to proud and to nostalgia , we have felt everything. and hope co-smriti will convey the same. "it'll connect the bytes."*

*- Ishaa Patel (160420107038)*

## **EDITORIAL TEAM(STUDENTS) MESSAGE**

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*It's my privilege to be a part of the editorial team of our department's very own annual magazine "CO-SMRITI". CO-SMRITI is all about cherishing memories that we have gathered during this year and honouring the achievements of our fellow students and also our respected faculties.*

*Being a sophomore, performing the role of an editor was a great learning for me and was fascinated to see the skills and talents showcased by the students of our department.*

*A big shout out to the batch of 2018, you have been an awesome bunch of people and a huge source of inspiration to all of us.*

*In the end I want to thank each and every member of my team for their sincere efforts. Kudos to everyone who participated in making this edition memorable!!*

**- Vishal Jobanputra (160420107525)**

*There is a dialogue in the movie Baby by Akshay Kumar in which he says to a computer engineer, "So you are an engineer? That means you are both smart and cool." This essentially tells us what computer engineers are. They have the brains but that is not all. They are also very versatile with the number of talents they have. The students of our department very definitely live up to this general impression of computer engineers - and I have the wonderful entries for this magazine to back my statement with. At the same time, I can't miss praising the wonderful team I got to work with for this magazine, from whom I learnt a lot.*

*A big Thank You to all those who contributed to this magazine, in whichever way. I hope you, dear reader, will enjoy going through this magazine as much as we enjoyed in compiling it.*

**- Shivani Sharma (150420107547)**

## **DESIGN TEAM(STUDENTS) MESSAGE**

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*Designing something is a combination of imagination and vision. And designing a magazine is no less. It feels great to be a part of designing CO Smriti and giving the magazine its final look which is a collection of memories, which talks about our achievements, experiences and pride. I hope you enjoy reading the magazine and get as excited to see your contribution in it as happy we were to put it.*

*- Smit Jivani (160420107524)*

*Co Smriti - The Connecting Bytes*

*It is not just a magazine, but also a memory of what you have done. As we are engineers by choice and thus we have to be technical and practical but somewhere we all are artist by nature. The magazine connects our artistic skills with our technical world and provide a medium to share our perspective through art and writings. It is a platform to proudly display one's achievements and hidden talents. I would like to thank the amazing team for giving me the opportunity to contribute my skills to this memorable magazine. I hope you all will like the magazine and will keep sharing your skills.*

*- Tejas Khunt (160420107023)*

# **Computer Engineering Department**

The Computer Engineering Department has started in 1995 with intake of 60 students per batch. The department imparts high quality technical education to its students with the help of its state-of-the-art computing facilities and highly qualified teaching staff as well as supporting staff. The department offers bachelor's degree in computer engineering that covers the latest subjects in the variety of areas like computer hardware, software, networking, microprocessors, operating systems, database management, artificial intelligence, information security, web technologies etc. The department continues the journey towards "The goal of creating technical excellence which imparts the best knowledge and skills to students with the objective of producing high caliber engineering graduates" It has produced nearly 700 computer engineers and contributed greatly to the development of the nation. A sound theoretical and practical work prepares the students in wider area of computer engineering. The departments has well experienced, dedicated faculty playing an important role in the development.

## **Vision :**

Enhance the problem solving aptitude of students and instill in them the best of technical knowledge with good ethics.

## **Mission :**

- To motivate research & development activities.
- To make our students competent enough to take the challenges with a positive mind frame.

## **Program Educational Objectives:**

1. Learn and Practice Graduates of the program will be capable of specifying the requirements of a computing system. They will be capable of modeling, designing, implementing and verifying a computing system to meet specified requirements while considering real-world constraints.
2. Think and Create Graduates of the program will be proficient in identifying, comprehend, analyze, design and development of innovative computing products and solutions to challenging problems by applying their knowledge of mathematics, computer engineering and scientific method. They will be aware of the role of computing in multidisciplinary approach.
3. Life-long Learning Graduates of the program will be able to take up higher studies, research & development and other creative efforts in science & technology. Also will be able to adapt to rapidly changing work environment needed for a successful professional career as an engineer, technocrat, scientist, administrator or an entrepreneur by implementing overall excellence, leadership, life-long learning and professional development through such activities as graduate school, distance education, professional training and membership in professional societies and to be able to adapt to new engineering tools.
4. Practice citizenship. Graduates of the program will contribute to economic growth by developing innovative ideas, and translating them into commercial products that benefit society through active engagement with professional societies, civic organizations or other community activities with appropriate considerations of public health, safety, cultural, societal and environmental needs by exercising their knowledge of professional and ethical responsibility.

### **Computer Engineering Department offers following Programs:**

Name of Program	Intake
<b>U.G. COURSE</b>	
Bachelor of Computer Engineering – Shift 1	60
Bachelor of Computer Engineering – Shift 2	60
<b>P.G. COURSE</b>	
M.E. Computer Engineering	18

#### **Infrastructure:**

- Computer Engineering Department has well equipped Laboratories with latest tools and technologies.
- High configuration servers (IBM – Blade Server) has been setup for providing availability of data. Wireless Computing facilities, Laptops, Latest software tools (.NET, SQL Server etc.) are available making computing facilities much more easily accessible.
- 100Mbps Local Area Network has been setup connecting 125+ high configured desktops.
- The Department is also equipped with both Wi-Fi enabled and wired Communication network configured with high end routers providing Internet facility.
- Intranet setup especially for students have been made to access important notices, circulars, event schedules and much more easily.
- Departmental Library has got a huge collection of books, magazines and journals of both national and international category also CD-ROMs, audio-visual courses presentations from premier Institutes like IITs and NITs for various subjects and reports of Seminars and Projects.

#### **Faculties:**

Computer Engineering Department is enriched with around 30 faculties with high qualification and versatile knowledge as well as technical skill sets. The Faculties of Computer engineering Department believes in keeping self updated by attending continuous learning programs as well as publishing papers to reputed conference/journals to cater high quality education to students.







# #literature

"Literature adds to reality, it does not simply describe it. It enriches the necessary competencies that daily life requires and provides; and in this respect, it irrigates the deserts that our lives have already become."

**-C.S. LEWIS**

## That Was The Night

AMUL LUNIYA (160420107003)

That was the night  
When I realized,  
'How could it be that?'  
I was feeling despised!

That was the night  
When the heart bled,  
A situation which  
I couldn't dread.

Droplets of fear  
Droplets of tear,  
Made my position in  
Her eyes very clear.

I was wrong.  
I couldn't fight.  
These truths I had found  
On that unfortunate night.

That was the night  
When I couldn't anticipate,  
All my precious feelings  
Were already cremated.

All my heart and all my eyes  
Had a copious weep,  
And all of a very sudden  
The bad vibes started to creep.

Then out of nowhere  
Just out of shock,  
God lessened the burden  
I learnt it was a mock.

Dreams have such power  
They make you realise,  
Even if you don't wish to  
They let you know the price.

So that was the night  
When I was assured,  
That God has rewarded me  
And it was procured.

That was the night  
Oh! I was loved and blessed,  
Lo and behold,  
Off went my stress.

## STORY

RONALD BATTIWALA (170423107001)

Baat august ya sitamber ki hai  
jil milati barish or umber ki  
hai..

Sukhe khare thae jo bi wo  
bhig se gaye thae jane hum  
kese pathar jo bhig the nahi  
the..

Andhi hawa ki zor se us roz  
thi ayi or sang apne ishq ki  
barish wo layi Yu to train mei  
latak kar jate hai

Par us din chalti train se ak  
chehre par nazar gayi or ak hi  
nazar mei wo muskan hamari  
ankho mei bas gayi palke  
bhigh ti thi..

Tumne mausam me bhigo diya  
tha ae barish tumne har dard  
dho diya tha

To un kahi chehro mei ak che-  
hre par jab humarai nazar  
bilkul jam si gayi to esa laga  
ke mano humari waqt ki gadi  
bilkul tham si gayi..

Jab train station chor ke plat-  
form par khadi thi to utsukta  
mano hamare dil ko tar tar  
kare rahi thi..

Ki na jane wo train par chari  
ya nahi ae khuda wo hame  
dubara dikhegi kya kahi  
barisho se jil mil wo humarai

sangeet ban gayi humari haar  
bi wo ,wo hi hamari jeet ban  
gyi..

Chahte the ki wo shayad  
hume phir intazar karti dikh  
jaye.. ki hum har lamhe ko  
ked karke kahi lafz likh jaye..  
Din guzre mahine guzre par  
wo hume dubara dikhi hi nahi  
kismat ka khel hai sara shayd  
wo humari kismat mei thi hi  
nahi..

Aj bhi wo chehra bhule nahi  
hai hum or esa bhi nahi ki  
facebook par dundhe nahi hai  
hum..

Are par kis namm se dundh  
kis kaam se dundhe wo to re-  
hti ab sirf khaylo mei usse kis  
kis jam se dundhe..

Kher ab wo barish ka mausam  
chala gaya rimjim barish se  
wo mushkurate chali gayi or  
ulaj te sabdo se hum likhte  
chale gaye..

एक,दो,तीन,चार और एसे कई  
कणों को मिलाकर बनती है रेत,  
जैसे छोटे छोटे बीजों को  
बो कर बनता है खेत.

इकठ्ठी होकर निगल जाती है  
सागर के पानी को,  
पर वही रेत इस्तमाल होती है  
काच बनाने को.

जब गमँ होती है तब जला देती  
है पैर को,  
पर जब ठंडी होती है तब  
सुकुन देती है सब को.



कहती है कि अकेली नहीं हूँ मै  
मेरे साथ कई और है,  
और सिखाती है कि  
एकता में ही बल है.  
  
काली, सुनहरी, पीली एसे  
कई रंगों की होती है रेत,  
पर सभी में गुण होते हैं एक .

# તું શાને ઉદાસ છે?

ABHAY DARJI (160420107508)

રોજ અહીં આશાનો સૂરજ નવો ઊગતો,  
સોનેરી શમણા લઈ રાત આવતી,  
એ નિંદગી તું શાને ઉદાસ છે?



નસીબથી વધુ અહીં મળતું નથી,  
ખોયું તે તાકું હતું જ નહીં,  
એ નિંદગી તું શાને ઉદાસ છે?

સુખની પળો કણિક જ લાગતી,  
દુઃખ પણ અહીં કાયમી નથી,  
એ નિંદગી તું શાને ઉદાસ છે?

યાદ ફરિયાદના વંટોળથી દૂર,  
એક નવા આકાશે નવી ઉડાન ભરીએ,  
એ નિંદગી તું શાને ઉદાસ છે?

સ્વમાં જ હવે સર્વસ્વ શોધી લે તું,  
ચાલ ફરી એક નવી શરૂઆત કરીએ,  
એ નિંદગી તું શાને ઉદાસ છે?

## The Daily Prophet

URMI PATHAK (170420107042) YASHVI MALU (170420107026)

What if you turn 11 and you realize you are a wizard? What if we can buy tickets on the Hogwarts Express? What if we can go shopping in the Diagon Alley? A dream come true for most Potterheads ,right? As you can already comprehend by now that we are major Harry Potter enthusiasts, here's an intriguing fact we would like you to know.

Rita Skeeter was a journalist at the daily prophet. She was banished from living in the magical world, after they discovered she had made stories up. She was forced to live in the muggle world. She was angry at the wizarding world and to make the wizards feel sorry, she chronicled the entire Harry Potter series hoping to expose magic to muggles. All muggles loved her books and Rita became rich and famous as J.K. Rowling a fiction writer. The fact that Rowling is a journalist from the wizarding world strengthens our belief that the world we love so dearly is really out there.

If this theory is true, get ready to use Accio on your lazy friends!

# उम्र बीत रही है

AAKASH NANDWANI (Roll No : 59 1st year shift 2)

अच्छे कल की चाह मै,

आज को खो रहे हो!!

जो नहीं है पास, उसके लिए रो रहे हो!

ये ज़िन्दगी है हसीन, इसे यु न जाया  
किजिये !

उम्र बीत रही है, ज़िन्दगी का मजा लिजिये !

दिलो से दुरिया हटा दो, खफा हो कोइ तो  
उसको मना लो!

हजारों नहीं पर एक ज़िन्दगी सवार जाना!

किसी की मुस्कराहट की वजह बन जाना!

उम्र बीत रही है, ज़िन्दगी को खशनुमा  
बनाना!

ये पुरा आस्तित्व सुरज, चन्द्र सितारे, पक्षी

सब चहचहा रहे हैं, आनन्द मना रहे हैं!

फिर तूम क्यु हो उदास, जो होना है वो  
निश्चित है!



फिर मत किजिए, उम्र बीत रही है ज़िन्दगी  
का मजा लिजिए!

# SOMEONE

MEHTA SAKSHI RAJENDRA (170420107534)

When I left alone, and I just cried and mourned ;  
SOMEONE consoled me!

When I was in the dark, with no one to show me the mark ;  
SOMEONE showed it to me!

When I stood for too long, judging between right and wrong ;  
SOMEONE judged for me!

Whenever I lost my way, at the end of a painful day;  
SOMEONE filled power in me!

When I was falling apart, unaware from where to start ;  
SOMEONE held me!

Whenever I was hated in life, felt like walking on a knife;  
SOMEONE cared for me!

When I would cry and howl, ready to do any foul;  
SOMEONE stopped me!

When I felt a pang of fear, and there was no one near ;  
SOMEONE was close to me!

When everyone lost faith in me, I didn't loose hopes,  
Because I know someone;  
Who will always be there for me....

And that SOMEONE is YOU!!

## SHORT STORIES

JEEVANTIKA BORADE (170423107005)

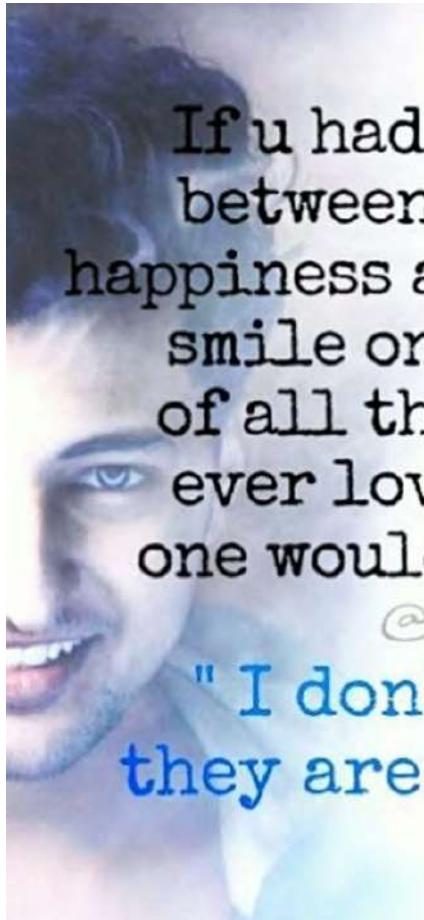
### #FangirlDiaries

She just had the best  
conversation of her life.

call duration: 00:00.

Eye contact: 20 seconds.

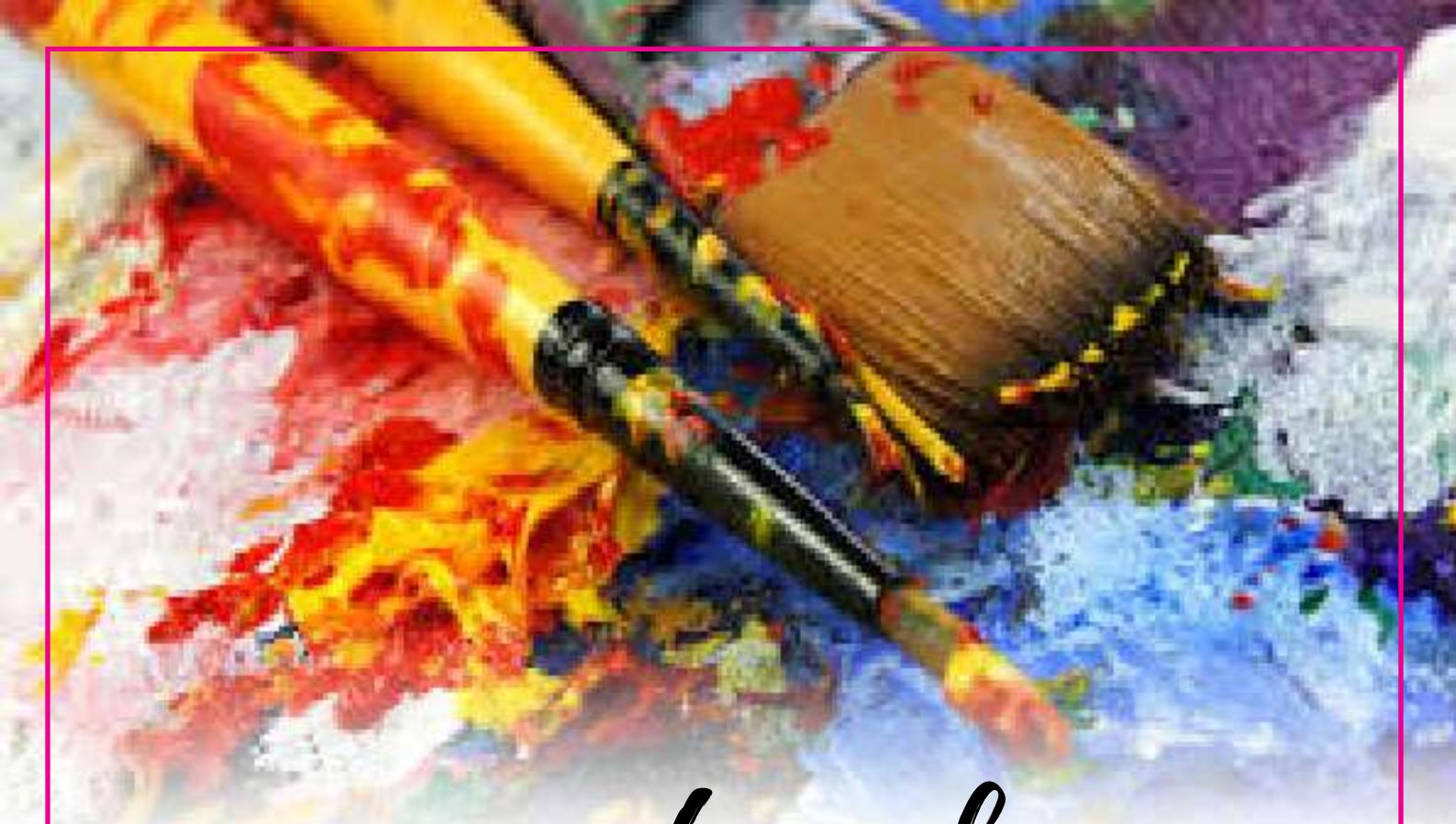
@darshaniesta



If u had to choose  
between your own  
happiness and putting a  
smile on the faces  
of all the people u  
ever loved, which  
one would u choose?

@darshaniesta

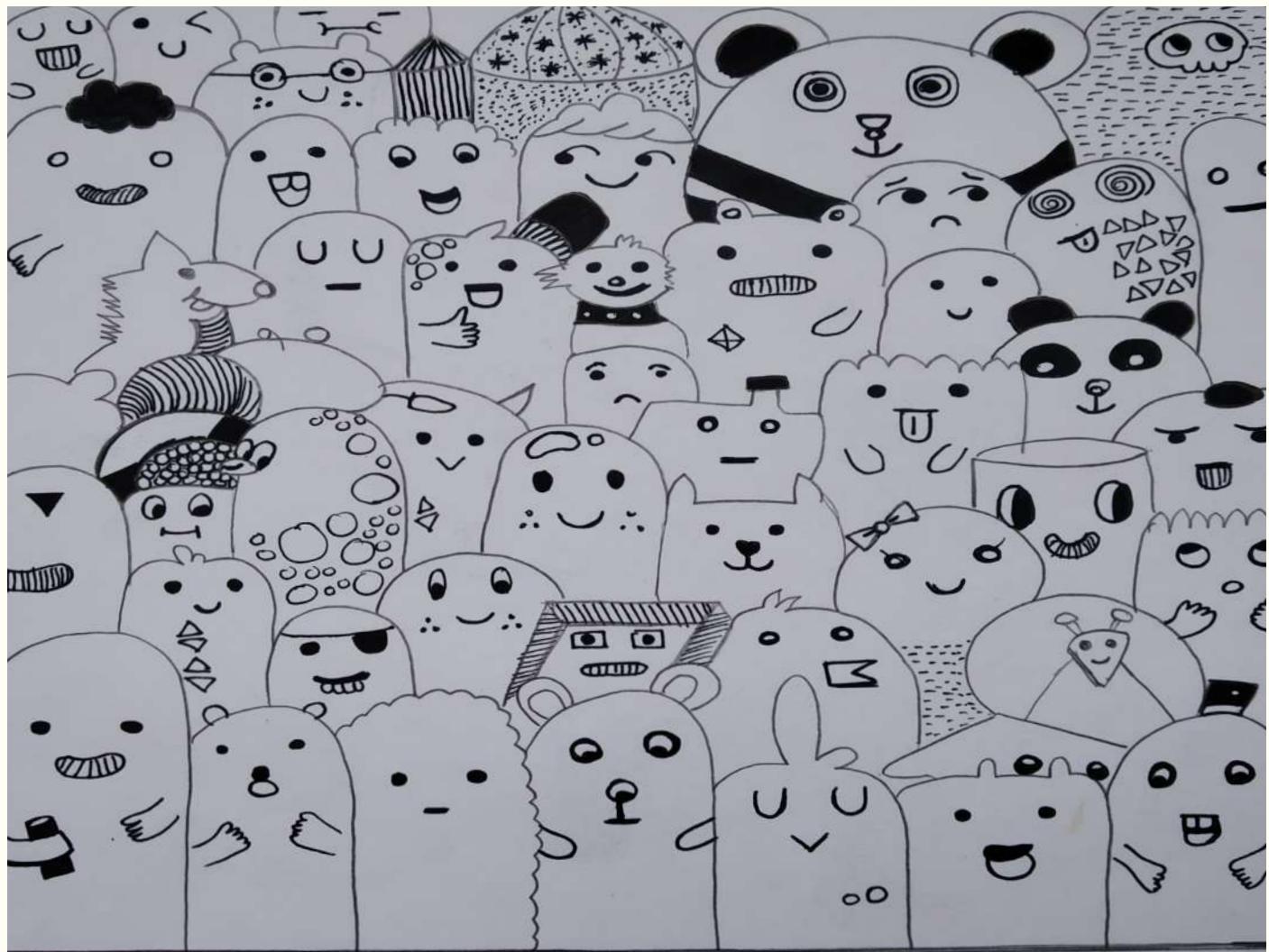
" I don't see how  
they are different."



# #artwork

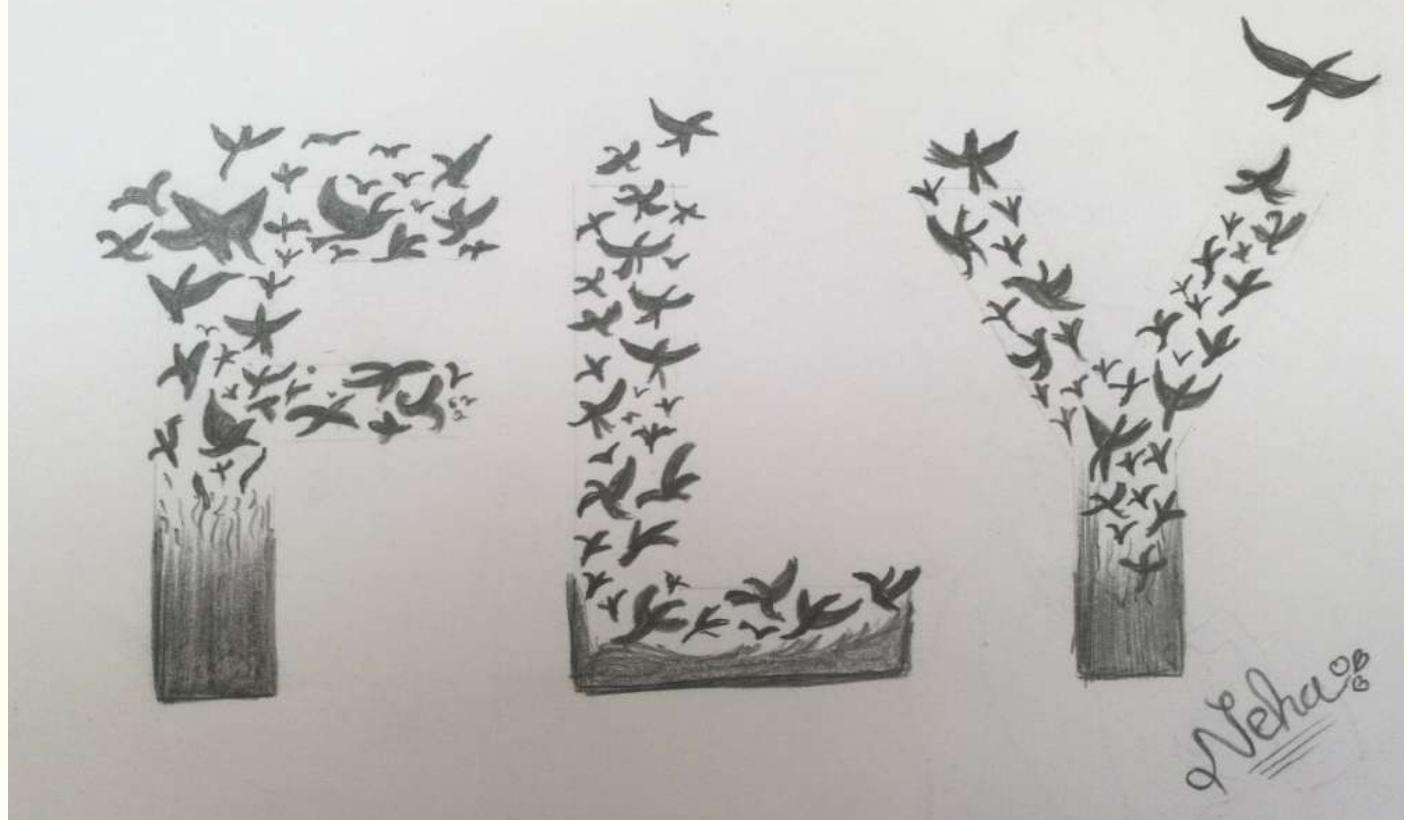
“Every child is an artist. The problem is how to remain an artist once we grow up.”

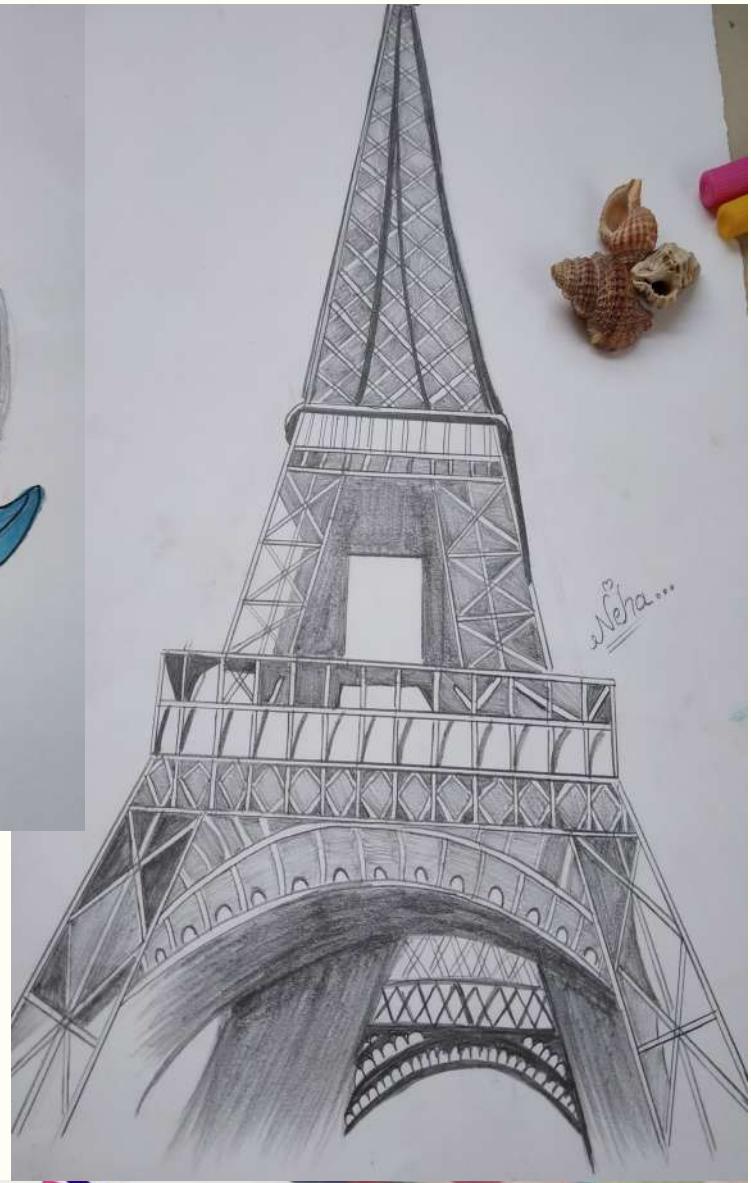
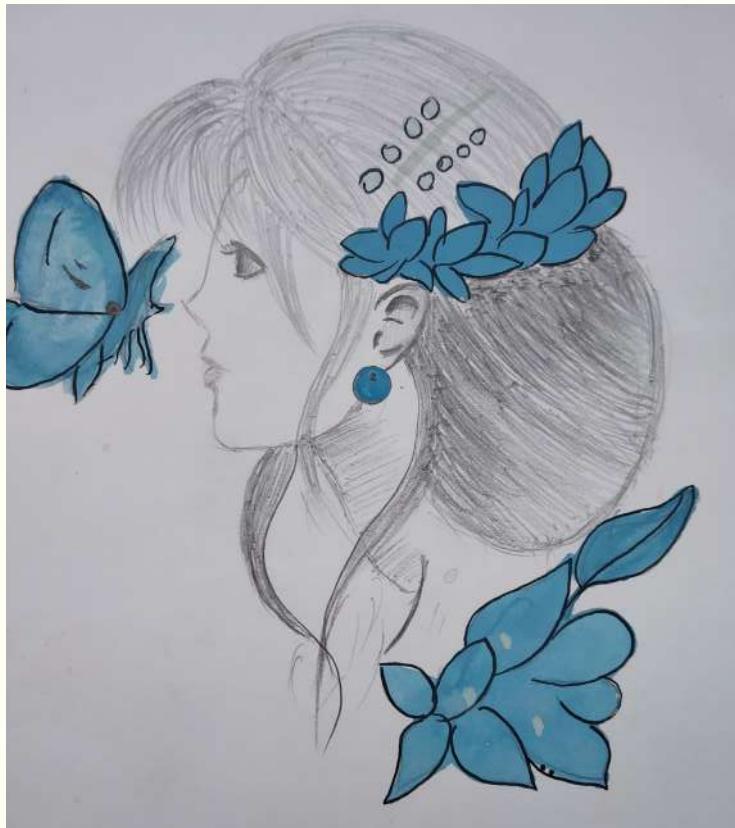
- **Pablo Picasso**



Neha

Patel Neha Pareshbhai 160420107547





Patel Neha Pareshbhai  
160420107547

Nisha kakadiya Sem -1 Roll no-02



Nisha kakadiya Sem -1 Roll no-02



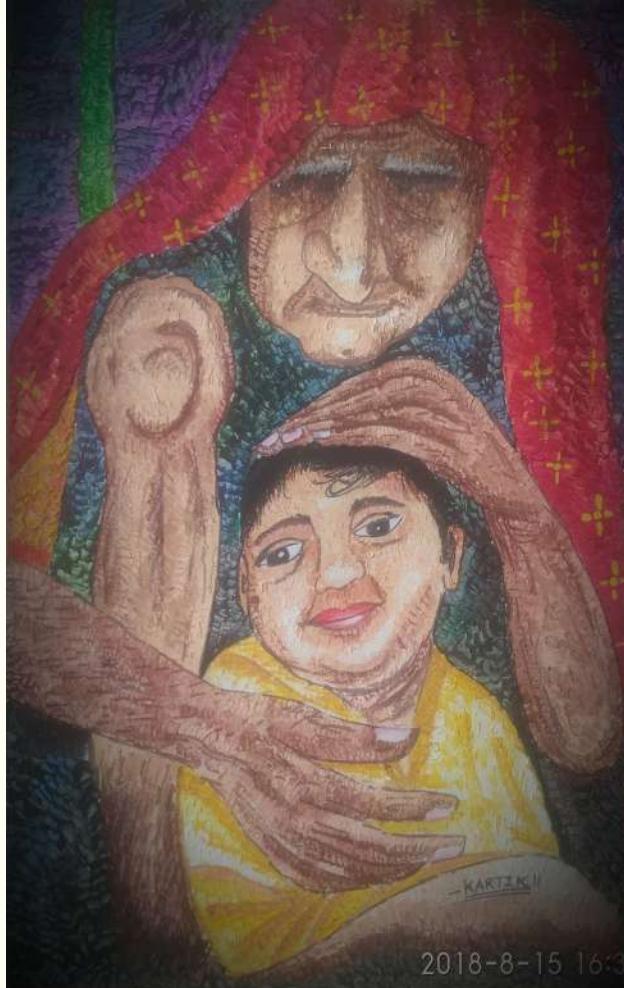
Shah Keny Tignesh 160420107554



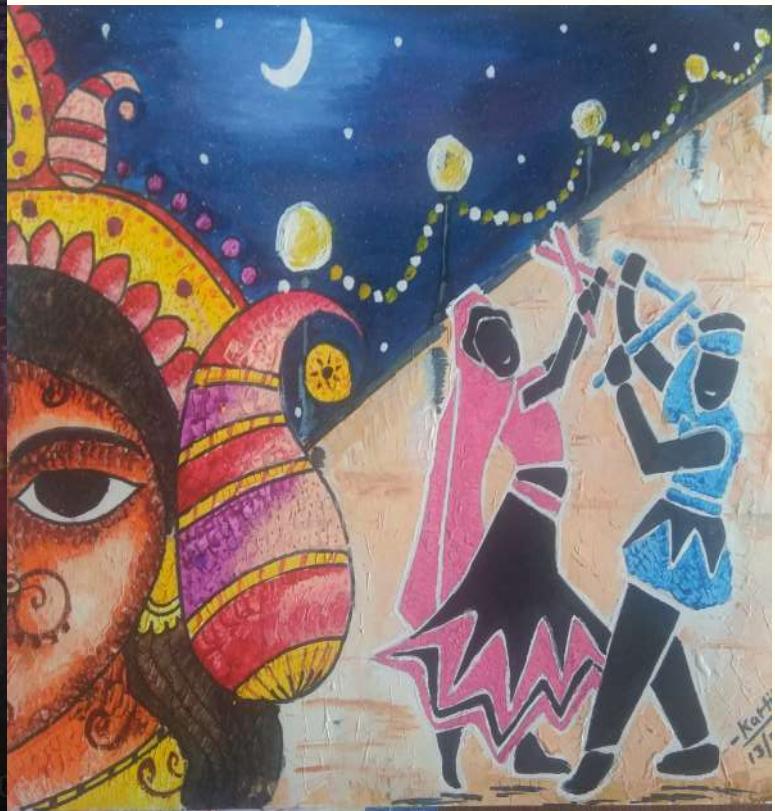


Kartik  
2018

Kartik Kamleshbhai Gondaliya  
170420107015

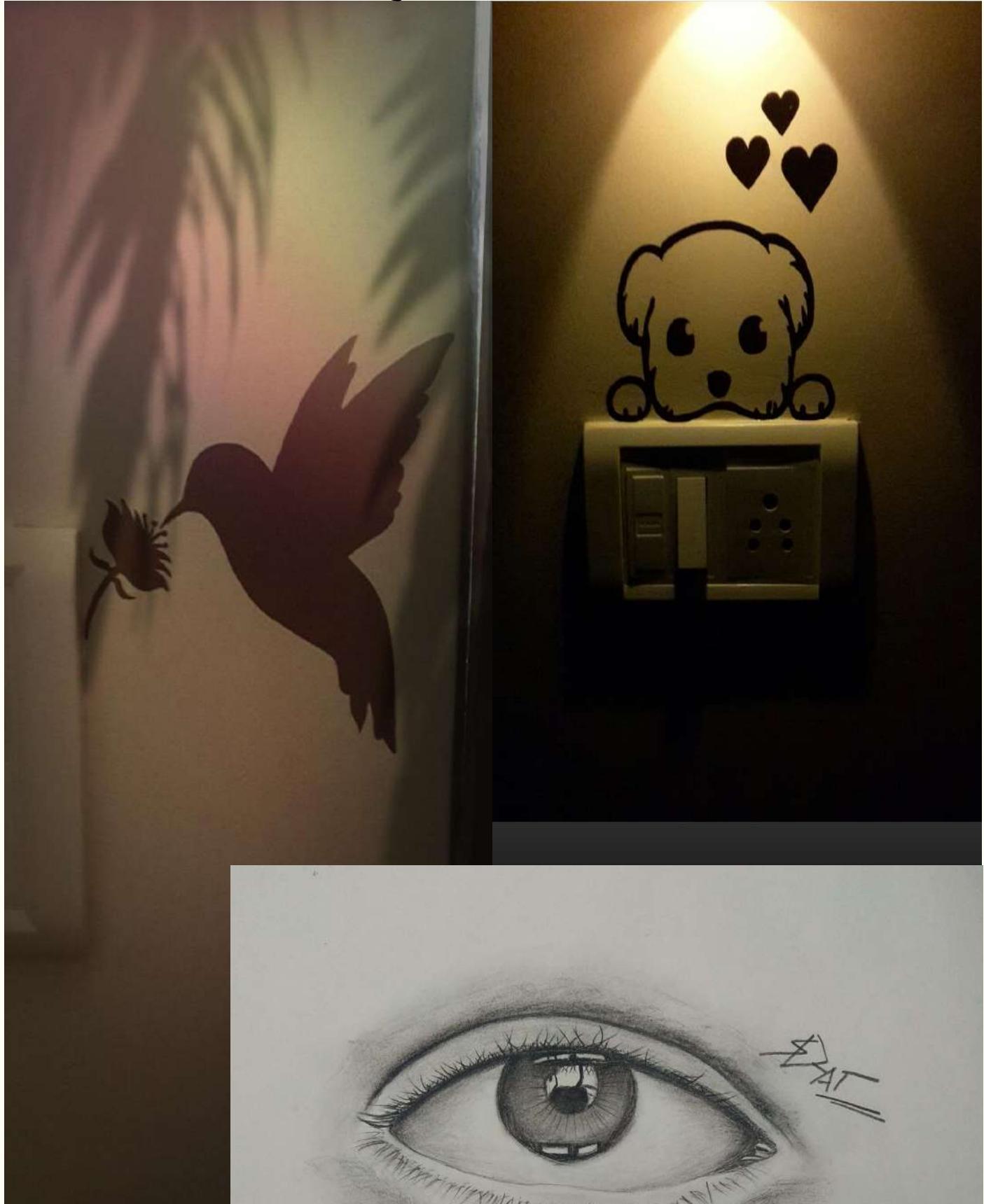


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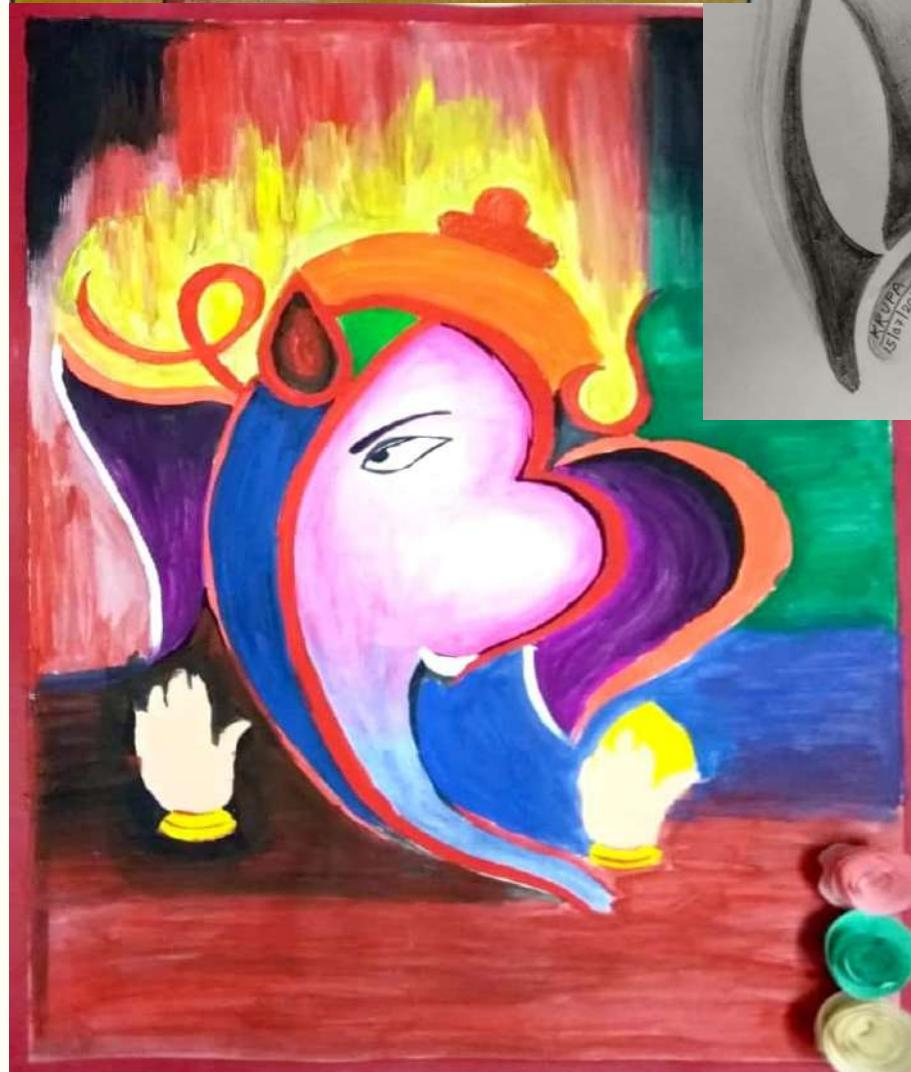
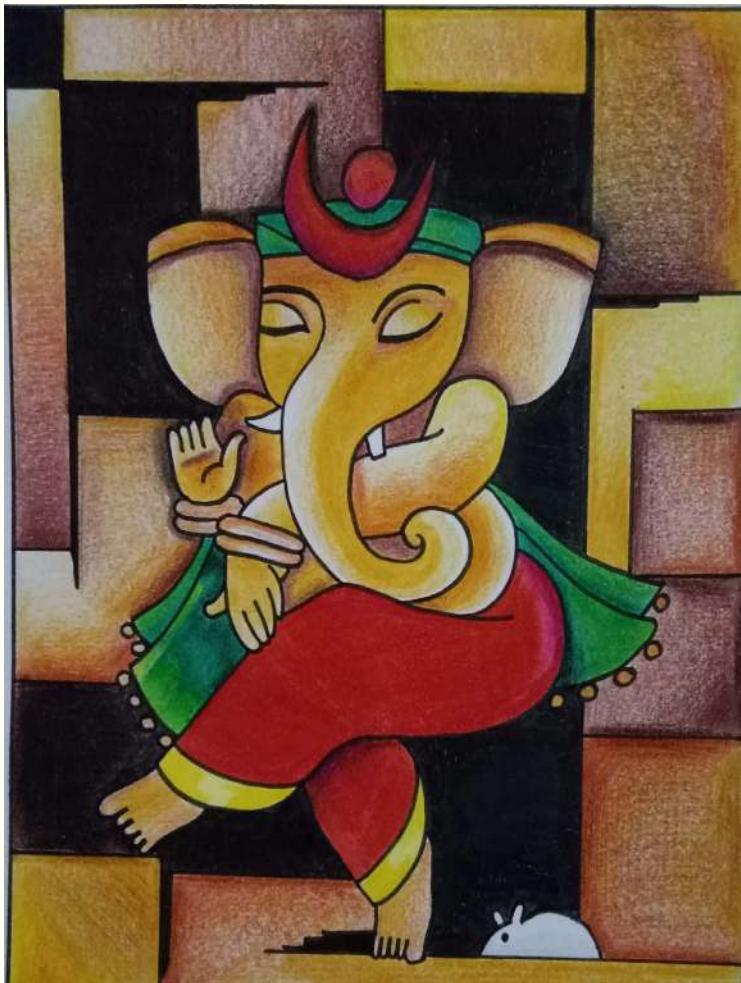
Kartik  
13/1

Reema Pandya 170420107538



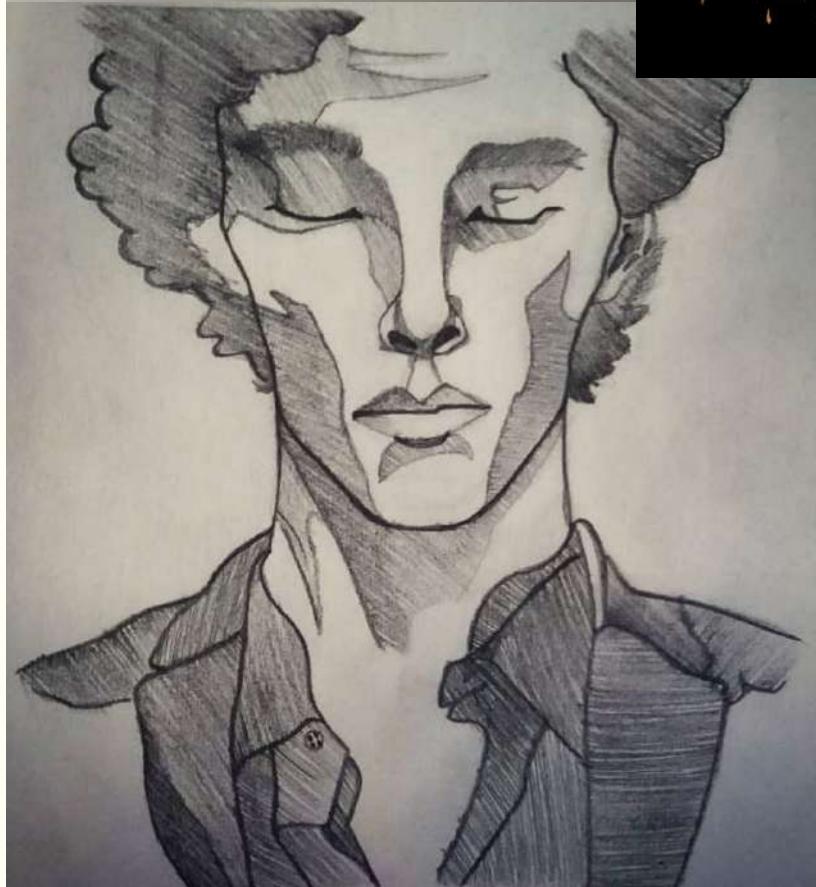
Siddhant Parmar 170420107552

Krupa Yagnesh Naik  
170420107537



Patel Mahekkumari  
Rajeshkumar  
170420107038

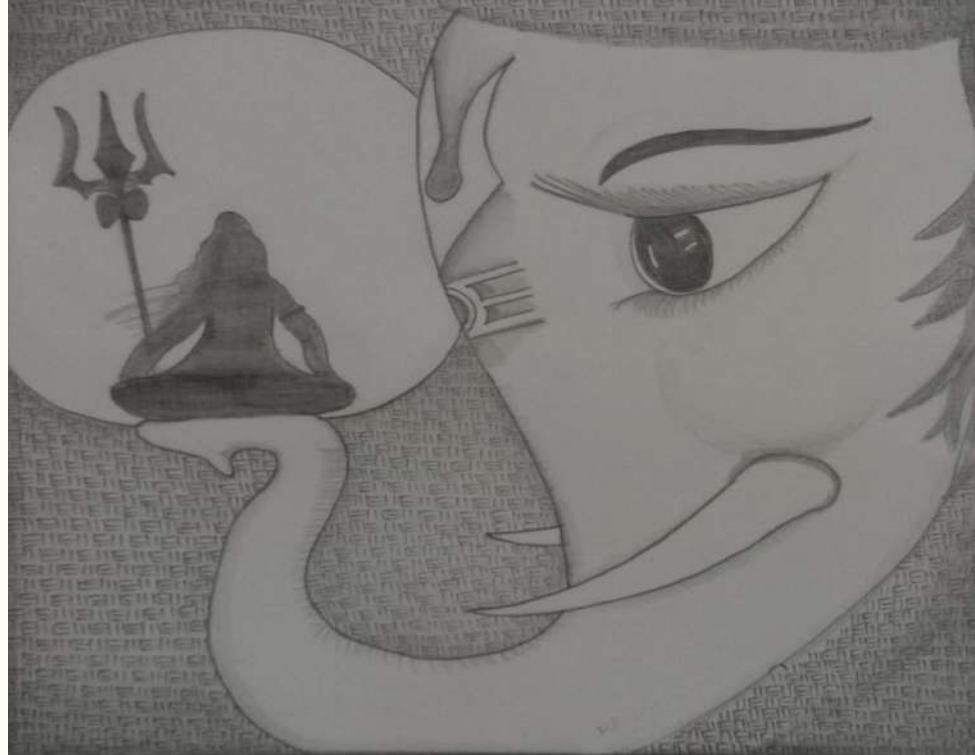
Krupa Yagnesh Naik  
170420107537



Patel Mahekkumari  
Rajeshkumar  
170420107038

Ranu Singh  
160420107056

Siddhant Parmar 170420107552



Krupa Yagnesh Naik  
170420107537



Sutarwala Vaidehi  
160420107057

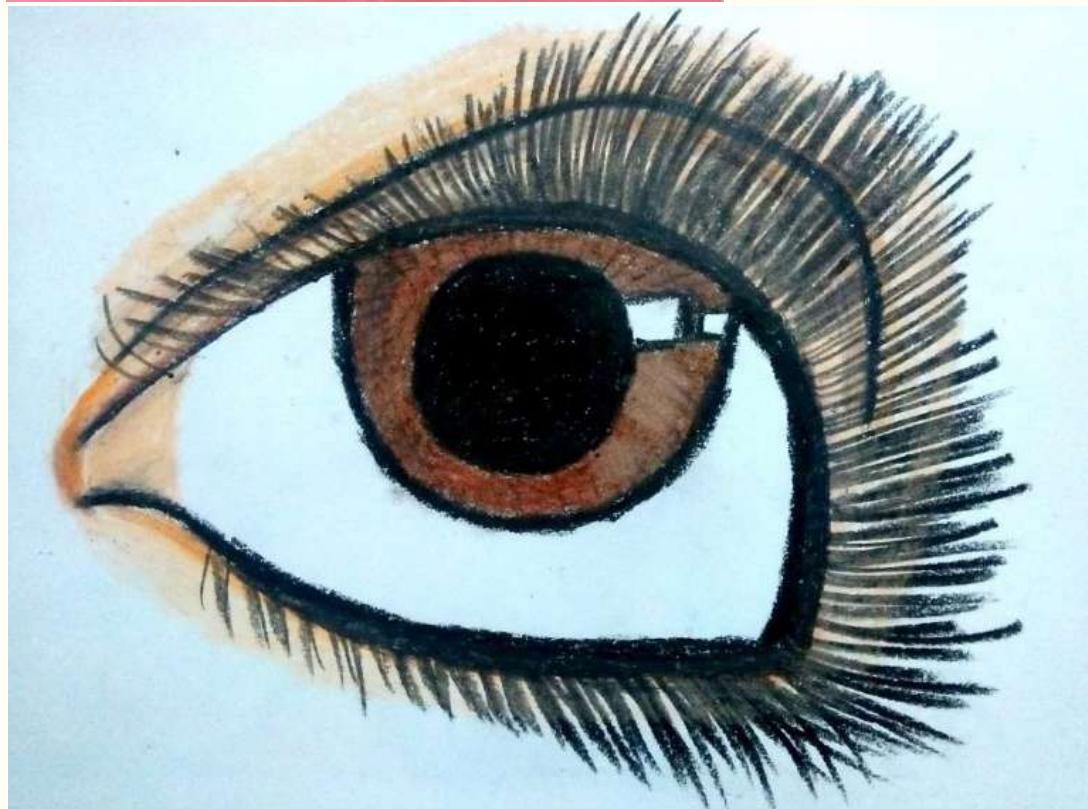


Prof. Dhatri Pandya



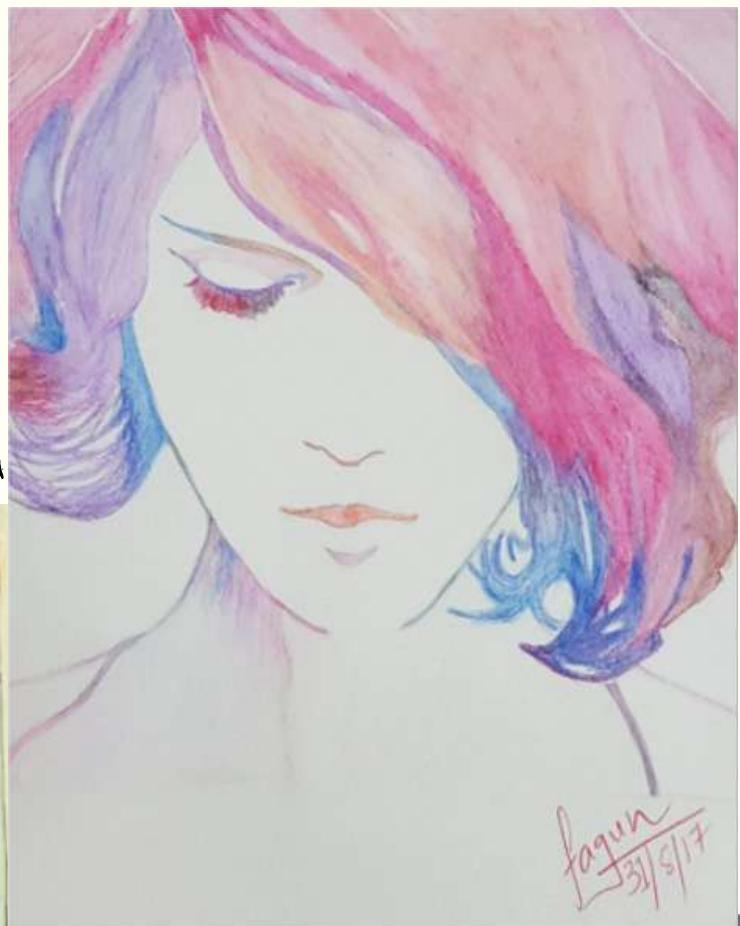
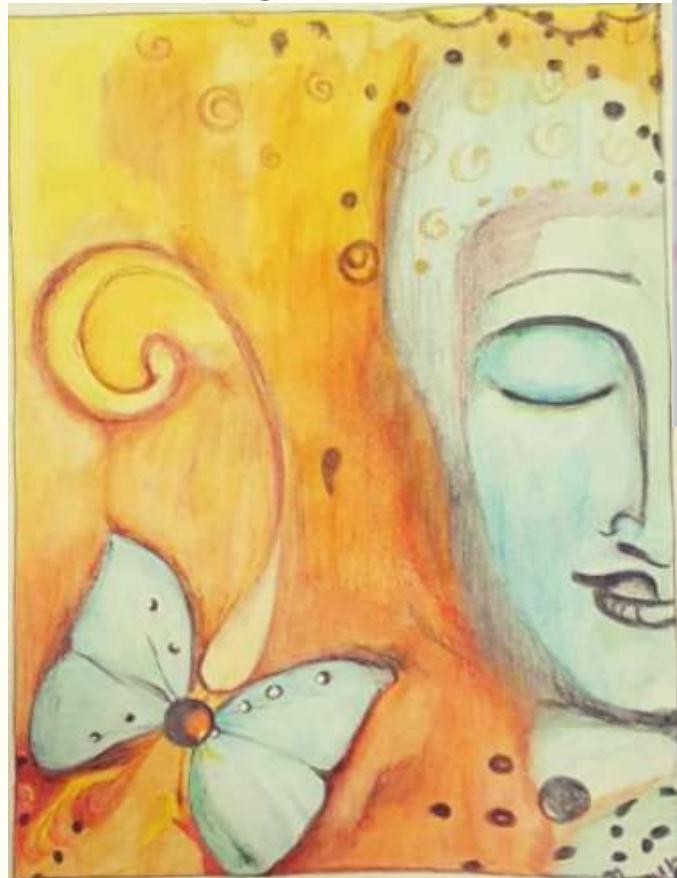
Muskan Kapadia  
160420107530

Muskan Agarwal  
160420107001



Himani Parmar 160420107033

Prof. Fagun Vankawala



# Prof. Fagun Vankawala



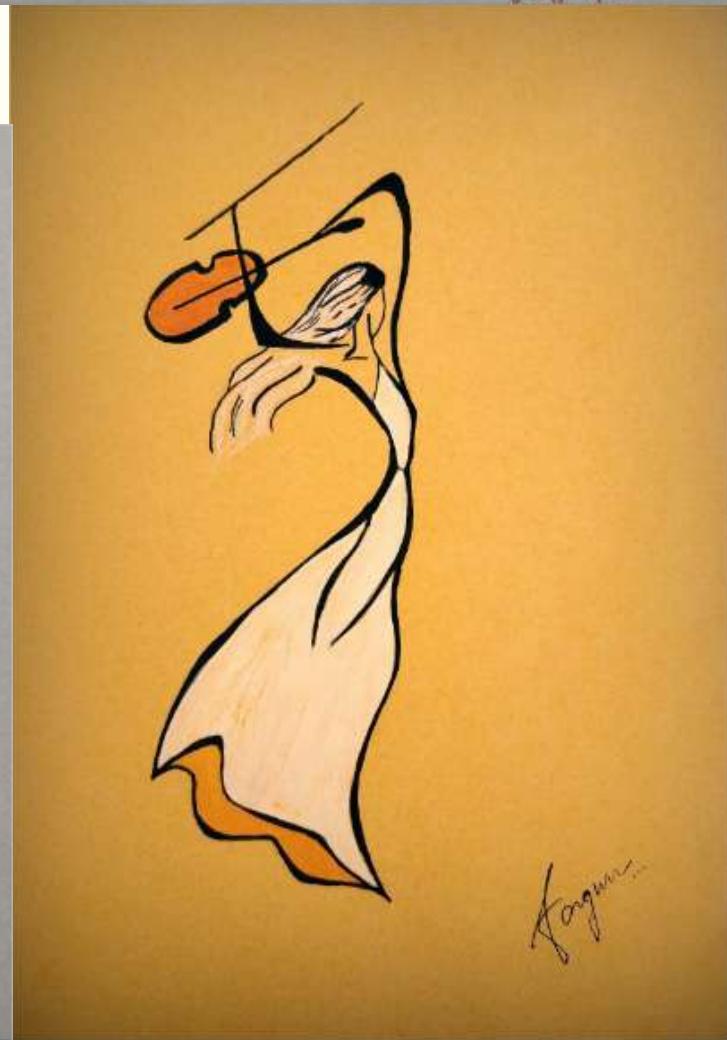


Prof. Fagun Vankawala





Prof. Fagun Vankawala





# #Photography

“Photography is a way of feeling, of touching, of loving. What you have caught on film is captured forever... It remembers little things, long after you have forgotten everything.”

**- Aaron Siskind**

Keyur Joshi sem : 1 roll no : 13

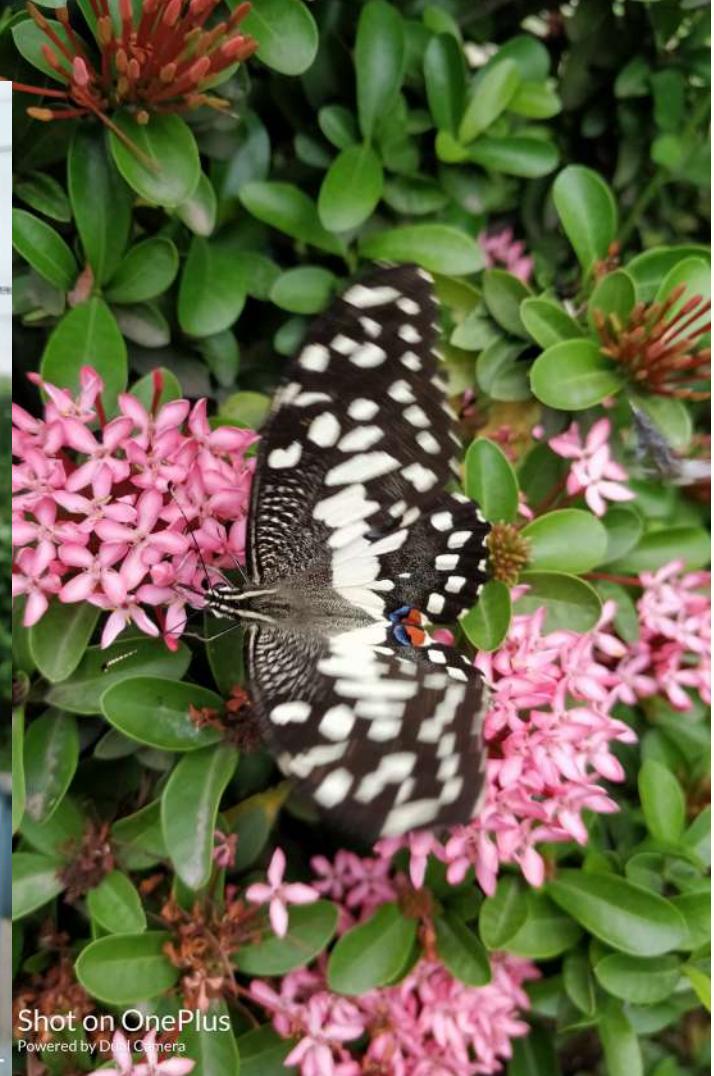
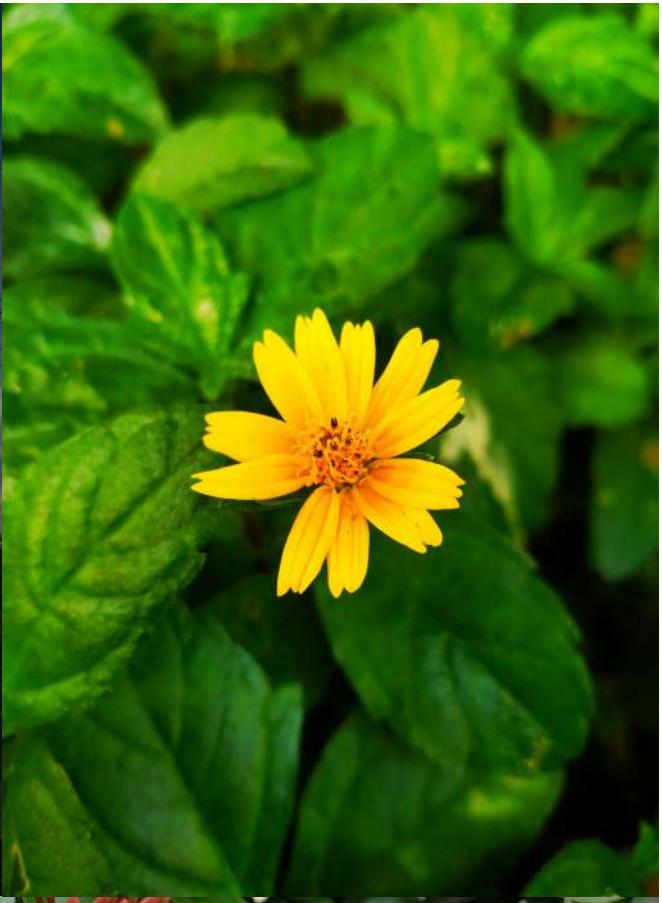
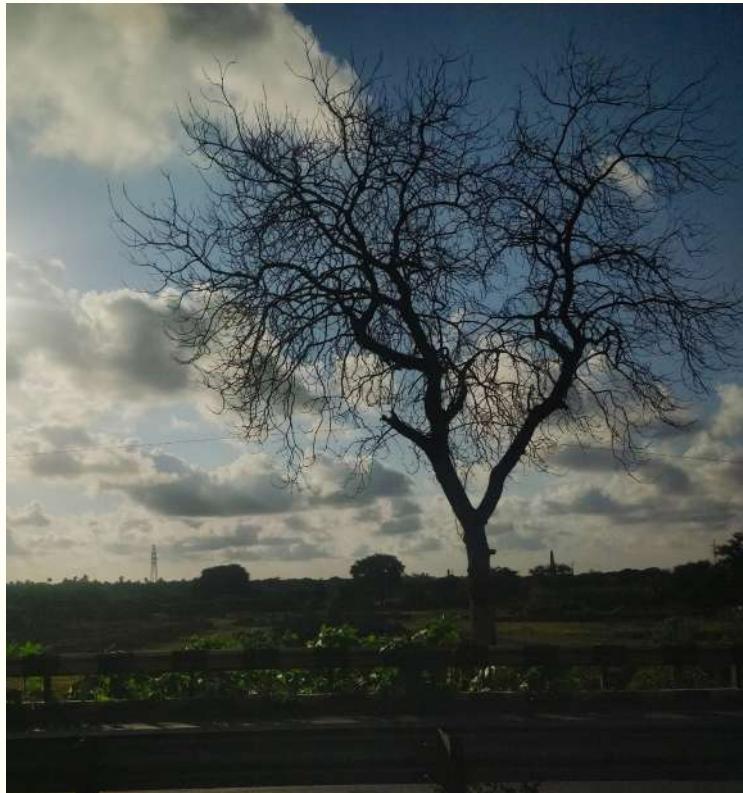


Rana Harshil R 170420107546



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Rana Harshil R 170420107546



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Shot on OnePlus  
Powered by Dual Camera



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Vishal Mistry 170420107536



Shot on OnePlus  
By Vishal

Sakpal Sagar Jayeshbhhai  
150420107055



Rana Harshil 170420107546

Vishal Mistry 170420107536

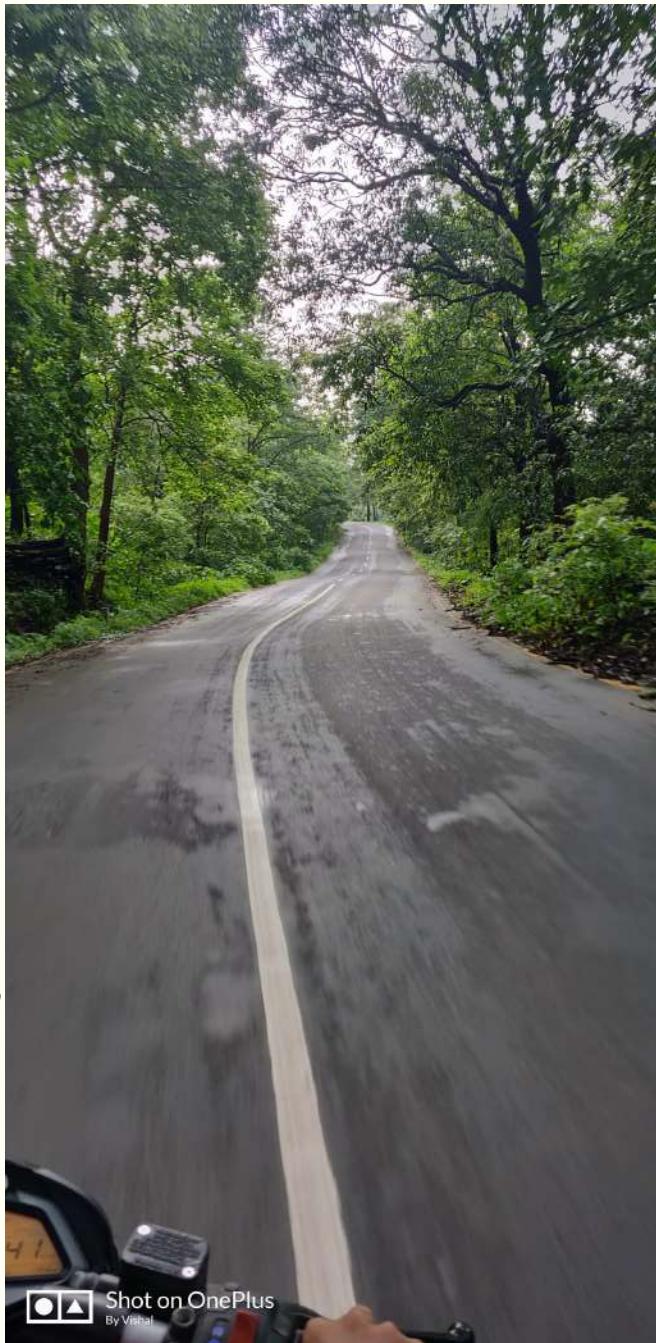


Sakpal Sagar Jayeshbhai  
150420107055



Shot on OnePlus  
By Vishal

Vishal Mistry 170420107536



Shot on OnePlus  
By Vishal



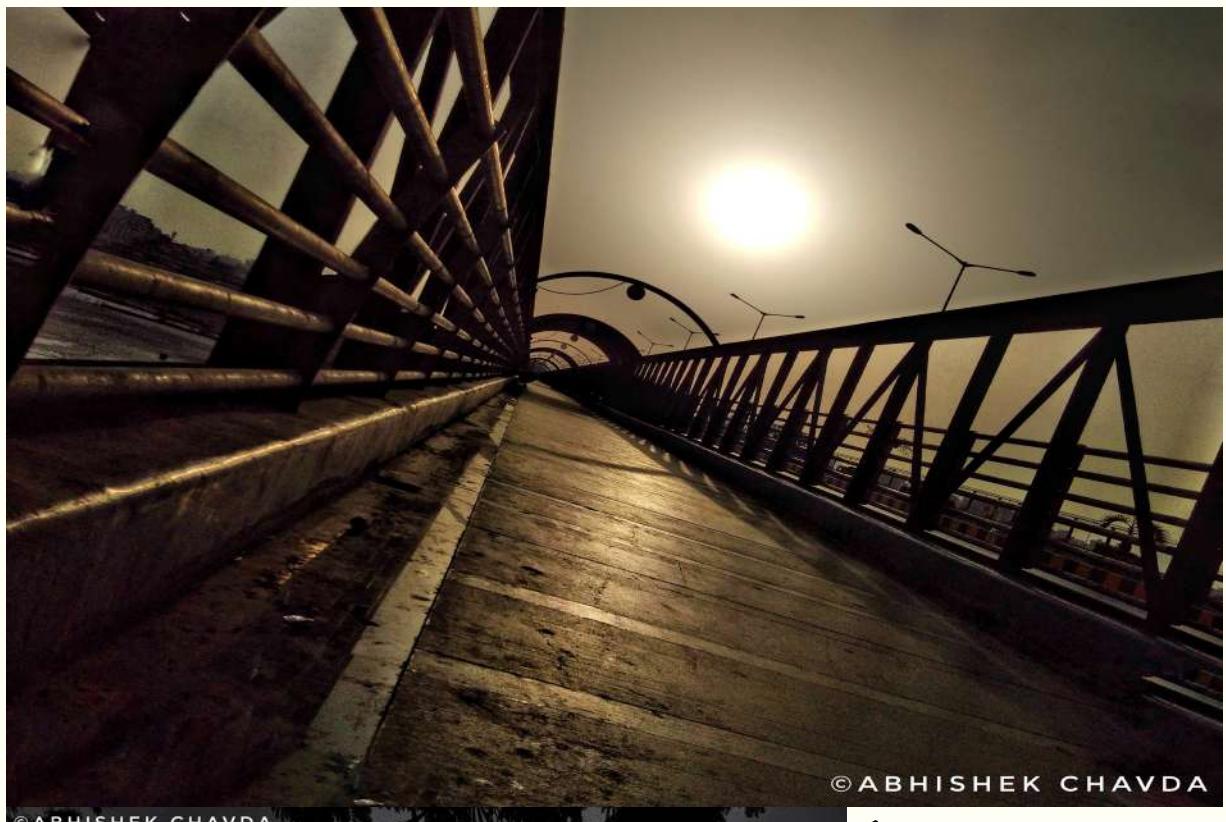
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Shot on OnePlus  
By Vishal

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Abhishek Chavda  
160420107009



Vishal Mistry  
170420107536



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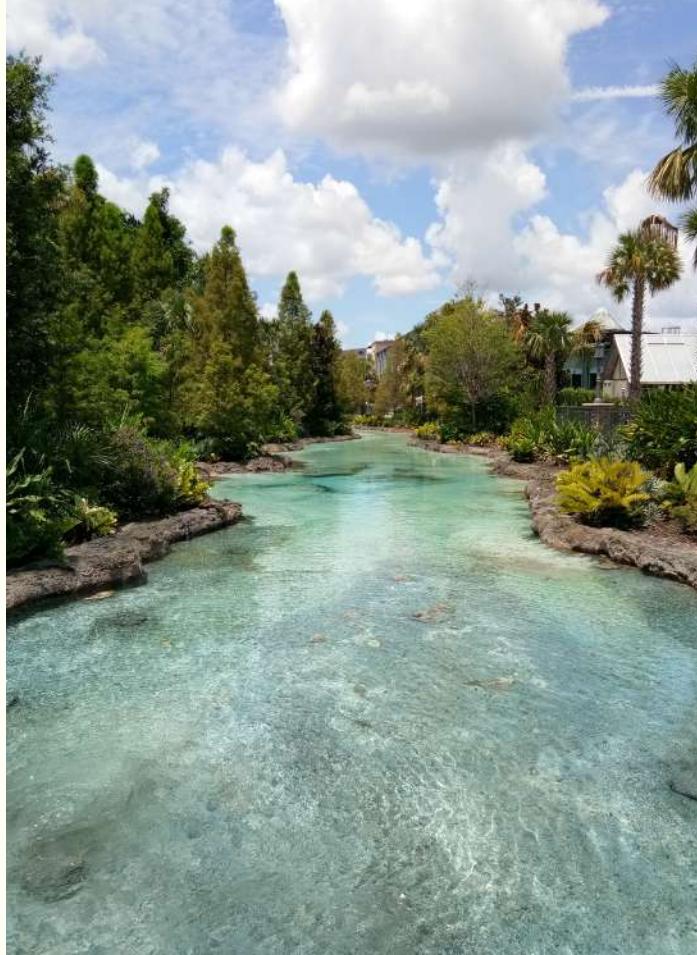
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Urmi pathak 170420107042



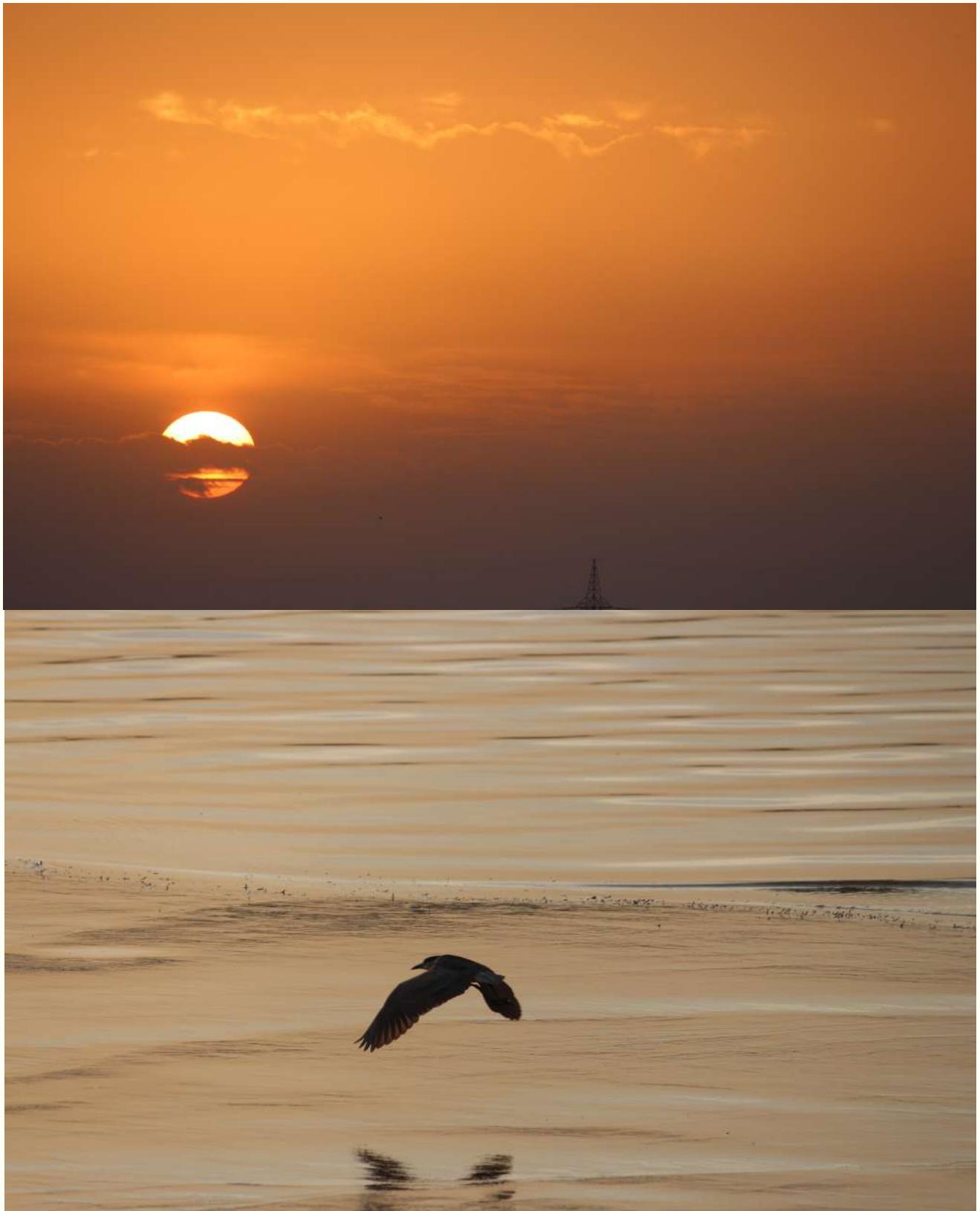
Riya Jogadia 170420107017



Urmi pathak  
170420107042



Riya Jogadia  
170420107017



Harsh Jariwala



Harsh Jariwala



Harsh Maheshwari



Harsh Maheshwari



Harsh Jariwala



Harsh Patel 170420107541



Riya Jogadia 170420107017





Urmi pathak  
170420107042





# #achievement

“Take up one idea. Make that one idea your life - think of it, dream of it, live on that idea. Let the brain, muscles, nerves, every part of your body, be full of that idea, and just leave every other idea alone. This is the way to success.”

- Swami Vivekananda



**Darshankumar Rathod** Lingua Skills  
SCET  
14<sup>th</sup> Sept., 2018  
First runners-up

Futsal - Super Strikers  
SCET  
18-19<sup>th</sup> Mar., 2018  
Finalist

**Manan Dalal (160420107507)**  
**Mohit Mali (160420107533)**  
**Sanjeet Gajjar (160420107552)**

Event: GTU Interzonal Yoga Competition  
Anand, Gujarat  
21<sup>st</sup> Sep., 2017  
1<sup>st</sup> position (Champion)

**Krupa Yagnesh Naik**



Surat District Yoga Championship  
Auro University, Bhatpore  
5<sup>th</sup> Aug., 2018  
6<sup>th</sup> position

Converse 2018 - Image IT  
1<sup>st</sup> position

Coin 2018 - Kirchoff Kitchen  
2<sup>nd</sup> position

Chamclave 2018 - Blind Bluff  
3<sup>rd</sup> position  
SCET, Surat  
14-15<sup>th</sup> Sept., 2018





Eco friendly Aarti decoration  
21st Sept., 2018  
Encouragement Prize



**Jemisha Chabhadiya**



**India Book Of Records**  
Participated in Biking Queens All INDIA RIDE and covered 14,680kms in 47 days with a social cause of Beti Bachao, Beti Padhao.

**Sahil Shingala  
Nevil Ghelani**

Flow-n-Code  
SCET

14<sup>th</sup> Sept., 2018  
Second runner-up



**Tajani Aadil Altaf  
(Sem-1, 50)**

Brain Squizzer  
SCET  
15<sup>th</sup> Sept., 2018  
1<sup>st</sup> Prize

**Limbani Niravkumar P.  
(170420107024)**

Snap Coding  
SCET  
14<sup>th</sup> Sept., 2018  
1<sup>st</sup> Prize



**Dodiya Umang H.**

Best out of Waste  
SCET  
31<sup>st</sup> Jul., 2018  
1<sup>st</sup> Prize



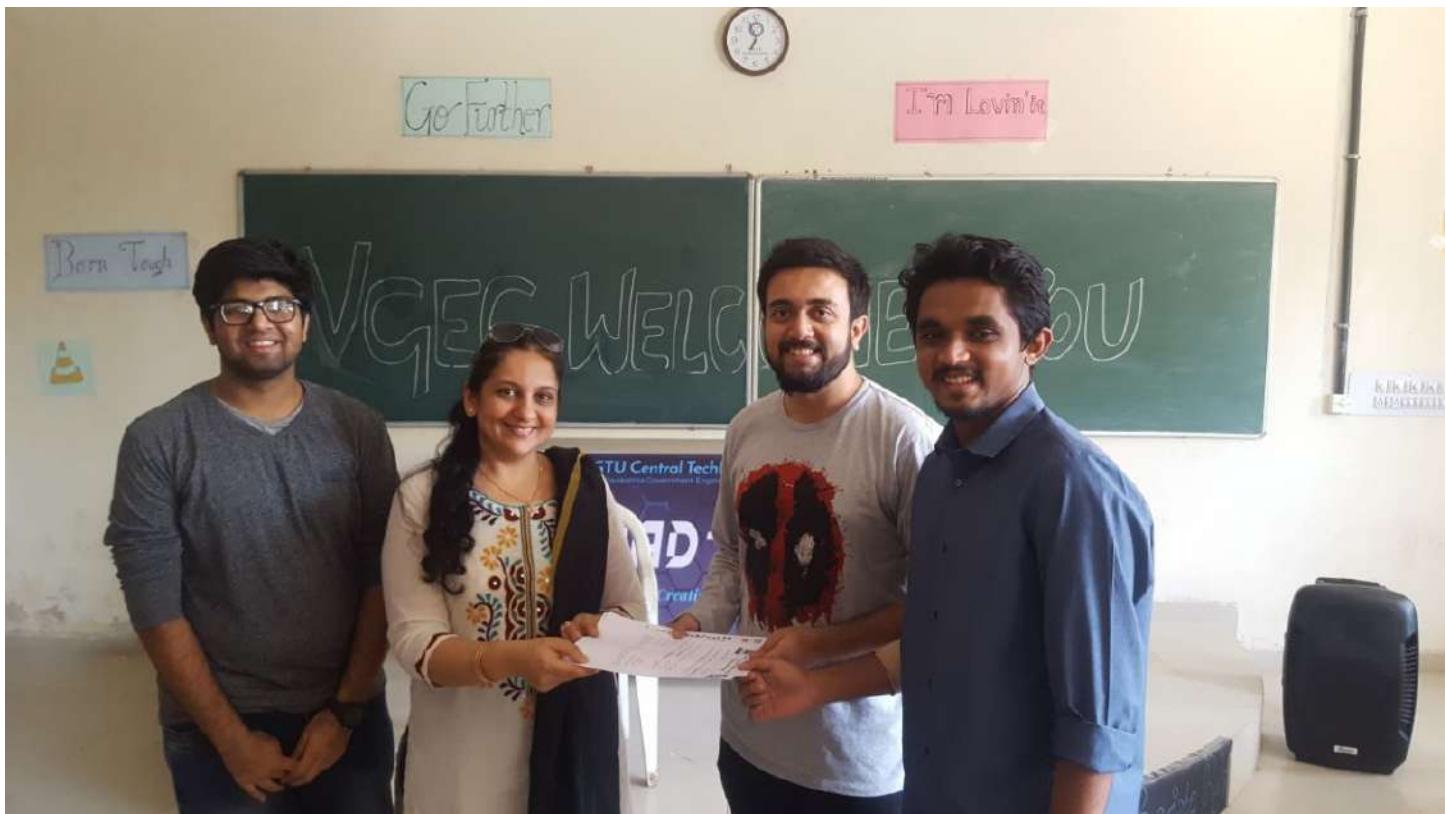
Rohit V. Bhalala (170420107504) Flow-n-Code, SCET  
Brijesh B.Kargar (170420107524) 15<sup>th</sup> Sep., 2018 2<sup>nd</sup> Prize



India Gaming Awards  
St.Regis (Mumbai)  
4<sup>th</sup> Aug., 2018  
Caster of the year

Ranjit Patel

- Jury:
- Karan Gambhit (Google India)
  - Sidharth Kedia (Viacom 18)
  - Amitesh Rao (TBWA)
  - Ramesh Soman (Exhibit Group)
  - Abhishek Agarwal (SMAAASH)
  - This was the first ever edition of India Gaming Awards, it was a joint initiative by Exhibit (The same as magazine) and Nodwin gaming.
  - It aimed at highlighting, acknowledging and celebrating excellence in the gaming industry.
  - I was nominated for "Caster of the year" category along with 5 other notable casters from the country.
  - The result was finalized by a 5 member jury which was preceded by a country wide voting process.



Zodiac  
SCET  
14<sup>th</sup> Sept., 2018  
2<sup>nd</sup> Prize

**Ruchita A. Kaneriya**  
**Priya Lakhani**

**Jeet Chudawala**  
**Simran Kaur Darad**  
**Vishal Bajaj**

GTU Zonal Techfest 2K18  
SCET  
Ad-Mad Show  
1<sup>st</sup> Prize  
22-23<sup>rd</sup> Feb., 2018

**Jeet Chudawala**  
**Remington Surti**

GTU Central Techfest 2K18  
VGEC  
14-16<sup>th</sup> Mar., 2018  
Ad-Mad Show Click-Flix  
1<sup>st</sup> Prize      2<sup>nd</sup> Prize  
Nerd Quiz  
2<sup>nd</sup> Prize



**Ruchita A. Kaneriya**  
**Kushang A. Mistry**

Colophon  
SCET  
15<sup>th</sup> Sept., 2018  
1<sup>st</sup> Prize  
A Competition to make Logo of Scet-A-Thon (Scet - Hackathon) using Photoshop, having criteria of Education, Health and Environment. Making logo is easy job considering photoshop but making **Meaningful logo** takes much effort and brain storming. It Was really a great experience.



**Muskan Agarwal  
(160420107001)**

Clay modelling  
Zonal Level Youth Fest  
SNPIT College, Bardoli  
3<sup>rd</sup> Rank

**Ruchit Rathod  
(160420107044)**

Folk & Tribal dance  
Zonal Level Youth Fest  
SNPIT College, Bardoli  
2<sup>nd</sup> Rank

**Sutarwala Vaidehi  
(160420107057)**

Kho-Kho  
Girls team  
1<sup>st</sup> Runners-up

**Dalal Dhwani  
(160420107010)**

Yoga Girls Team  
Interzonal Winner  
Badminton Girls Team  
Zonal Winner

**Shah Roma (160420107052)  
Agarwal Muskan (160420107001)  
Dhwani Dalal (160420107010)**

Cross Country  
Interzonal, Vapi  
Girls Team Champion

**Agarwal Muskan (160420107001)  
Mane Shivani (160420107028)  
Patel Heli (160420107036)**

Chess Girls Team  
Zonal, Bardoli  
Interzonal, Gandhinagar  
1<sup>st</sup> Runners-up

**Shah Roma (Gold medal)  
(16042017052)  
Vaghasia Tirth (Bronze medal)  
(160420107059)**

Power Lifting  
Interzonal Team, Surat





# #technical article

"Technology is nothing. What's important is that you have a faith in people, that they're basically good and smart, and if you give them tools, they'll do wonderful things with them."

**-Steve Jobs**

# AI Revolution – The Road To Super Intelligence

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Since the invention of computers or machines, their capability to perform various tasks went on growing exponentially. Humans have developed the power of computer systems in terms of their diverse working domains, their increasing speed, and reducing size with respect to time.

While exploiting the power of the computer systems, the curiosity of human, lead him to wonder, Can a machine can learn itself the same way man does???

believe AI is out to replace their jobs, they will be pleasantly surprised that, in most cases, this is a false assumption. Instead, the application of AI will simply make their jobs easier. For the developers interested in building their own intelligent applications, the AI platforms, machine learning algorithms, and deep learning libraries and frameworks used to create such functionality such as Text to Speech , Speech to Text ,Image Recognition , Machine Vision and so on..

## “Can a machine think and behave like humans do?”

So, a branch of Computer Science named Artificial Intelligence pursues creating the computers or machines as intelligent as human beings.

Artificial Intelligence **is a way of making a computer, a computer-controlled robot, or a software think intelligently**, in the similar manner the intelligent humans think.

Artificial intelligence is a science and technology based on disciplines such as Computer Science, Biology, Psychology, Linguistics, Mathematics, and Engineering. A major thrust of AI is in the development of computer functions associated with human intelligence, such as reasoning, learning, and problem solving.

Artificial intelligence (AI) is an old idea. But a broad set of important technologies are emerging, which big data, cloud storage, and compute have enabled. AI is a major technology at its core, and businesses that integrate it will free workers to become more innovative, creative, and adaptive than ever before. But these technologies are still in early stages. Artificial intelligence (AI) has gradually been making its way into business software and will continue to for the foreseeable future. These intelligent applications have incorporated machine and deep learning algorithms into their everyday functionality to better automate tasks for the user. Automating these processes saves the user time and energy, makes their job simpler, and allows employees to work more efficiently and productively. While there are some that

Thus , AI is such a vast area to cover upon as it could be integrated with any other technology to create a new Revolution. Thus one should always keep on exploring these upcoming technologies to get new as well as creative ideas.

---

 **Freny Jariwala**  
160420107511  
Year - 3, Shift 2



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 **Harsh Jariwala**  
160420107522  
Year - 3, Shift 2



# Trending programming language

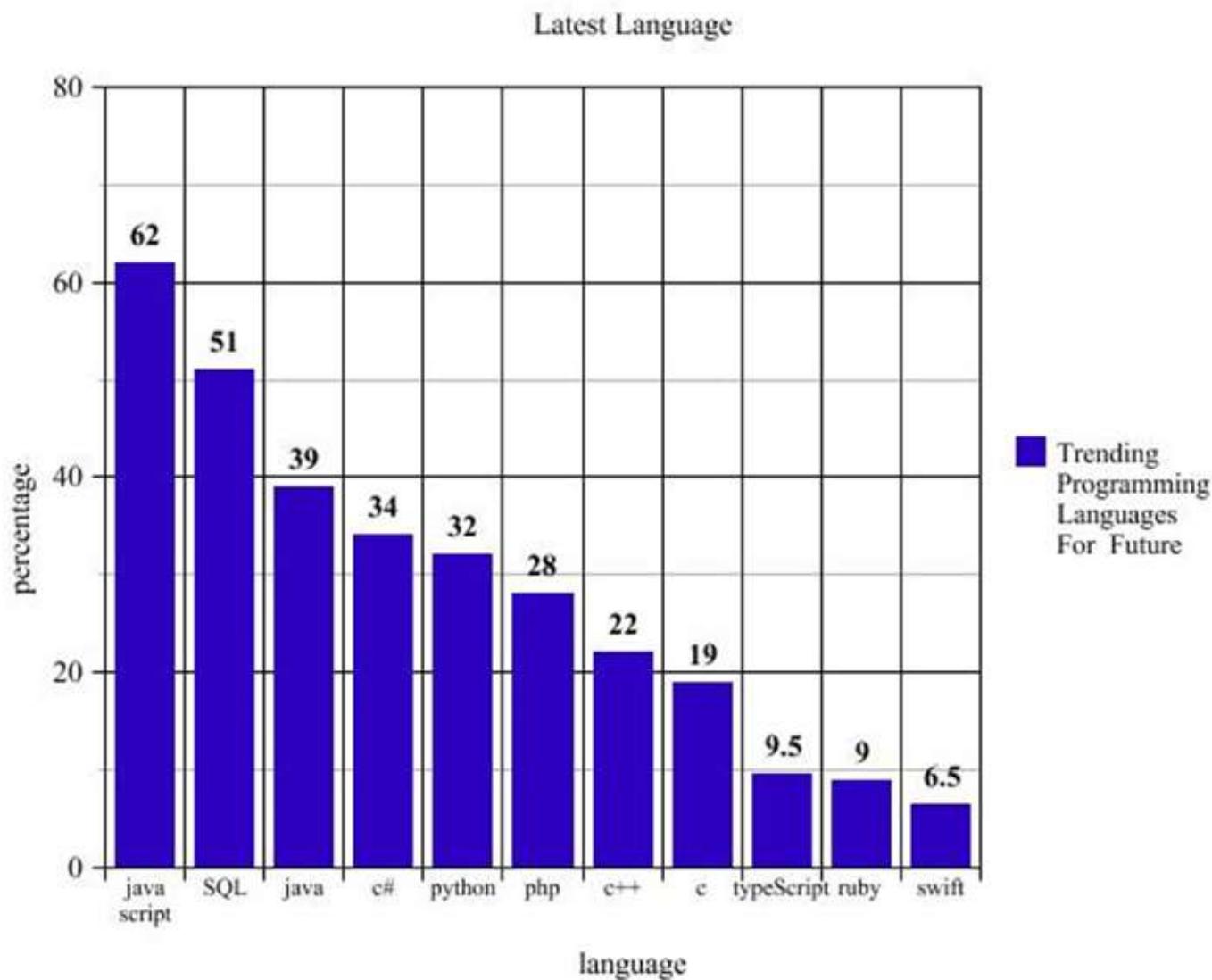
💡 Piyush Vaghela

Roll No. 25

Year - 1, Shift 2



- Lots of people have one question that which language they should learn to become a programmer...
- I did some research on google and I got some important data which I have shown in the graph.



# Alexa, how did we win?

Nikhil Mulchandani (160420107030)  
Deep Gandhi (160420107018)  
Saurabh Maheshwari (160420107048)



**Runners up of Amazon Alexa Hackathon, 2018**, let me take you through the journey where we were just a participant then and now share this with money in the pockets and bragging about Alexa, wearing the amazing Tees.

Amazon Alexa, one of the Voice Assistants available, is a great combination of Amazon's customer satisfaction and various developers' efforts.

So it all started with me surfing through Hackerearth for Hackathons during my Lab hours. And there I found something new having the name "Amazon Alexa". Okay let me accept I lean in favour of Amazon and love the company for the services it provides. So as soon as I saw the biggie's name, I was charged up and excited to take part in it. And it was a yes from 2 of my friends. So the team was up and we registered.

Then came the ideation phase. It was one of the phase where we thought a lot about problems we face. We thought in labs, in lectures, just everywhere, every time.

Back then, cryptocurrency were very bullish and trendy. A buzzword at that time, one of my seniors had built an app to get current prices of various cryptos. So taking a leaf out of it, we put this idea with a few modifications to get know-how about Alexa. We also put two more ideas.

Bang on! All ideas were selected. Now came the exciting and tough part.

Developing it. Slow starters, we took a fair amount of setting up the environment and tools needed to develop. Also reading a lot of documentation, it was just like having a new programming language in the course. With this, we divided our tasks and started working on making an Alexa Skill for getting current rates of cryptocurrencies and also compare any two of them in real time.

At last it took as around 20 days to bring the skill live on the Alexa Skills Store. Well, this was just a small effort and all our seniors and faculties were proud, seeing a new trend of development and programming.

For those thinking how did we win for such product, **we didn't!** Indeed it was just a stepping stone. It was a new experience for all of us and all around us. And we all were excited to dig deeper in this field.

Now comes the tough part of the journey. My college announced that it was going to organise a Hackathon in its own campus. The prizes were worth 25,000. Everyone was charged up and had their eyes on the prize money as did we. The ideation phase was very challenging as it had broader domains like environment, education and healthcare.

Then we brainstormed ourselves and came up with a few ideas. But it was all a mess as we drafted an idea. The abstract was also messed up, I felt. And that led to our downfall as our idea was not selected in top 15. The favou-

rites were now out of the race. A heartbreak day for the team, we were very upset.

## ***You interacted. You thought. You developed."***

After this , I received an email from Hackerearth that I was exclusively invited to participate in Amazon Alexa Skill Wizard Challenge which was only open to top tier colleges like IIT's , NIT's etc. But due to our previous participation, we were eligible too. So then , again we were charged up and we kept the bad times behind us and focussed on present.

"The real Hackathon starts now" a team mate said , a day after not getting selected in college Hackathon. And yes we were motivated a lot to prove to every one what we all could achieve as developers and innovators.

We took some motivation from the previous Alexa Hackathon winner's product. It was so damn awesome that it almost charged us to do much better than before. Then we got some ideas. My idea was one which I got from observing my friends play in lectures. A traditional Bollywood Game where you get 9 chances to guess a movie ,where only the vowels are filled initially. And the rest got some pretty good ideas too like making words out of given letters , Solving a mystery like Sherlock Holmes and few more.

Luckily all of the ideas were selected.

So we divided our tasks and aimed to finish 3 products. And my product was a bit tough as I had to get data about movies , it's actors etc. So that task took me a while. After setting up the database, the task was pretty easy but long. Thanks to Alexa Developers and to new SDK for Alexa in Python, our code was simplified a lot. I got through all the hard tasks and was ready with the skill in 15 days . Then I thought to add some fun elements in it. There came the speech cons or slangs like "Waah" , " Oye Hoye " , " Ooh La La". And hearing Alexa expressing those was just damn awesome and funny at the same time , everyone told me that after my skill was published.

But wait was it so easy to publish the skill?

"Never!". The Alexa Certification team has set some rigorous standards . And it took me around 4 at-

tempts for my skill to achieve those standards. Finally it was all done and the skill was live on the Alexa Skills

Store. During this time my teammates also published their skills.

We received great feedback about all the products. As soon as the submission period ended, my skill saw a boost in number of customers engaging and interacting with the skill which made me happy, seeing the hard work paying off.

And then we were into our semester exams, which of course don't go well these days. But the results of the Hackathon were around the corner, which aren't declared on time as usual. We had been checking the platform for results, for 3 days after the actual date.

**17 November 2018.** The date of the results. And we kept checking the site since morning. But not to be found till afternoon. So we started playing the buzzing game of the year, "**PUBG**".

**4:03 p.m : "Congrats" said the Previous Alexa Hackathon winner on Slack.**

I was like what the .... ?

Immediately, I went on screaming to my friends in the game that we may have won the Hackathon, just to realise that my microphone was muted.

My friend then confirmed that "**RUNNERS UP-SKILL: BOLLYWOOD GAME**". Not just that we also won a **consolation prize for the word game skill**.

*A dream came true in that moment.*

A prize of Rs 33000 and an Amazon Echo and more importantly **RESPECT** was earned.

Thanks to the team members , Saurabh Maheshwari and Deep Gandhi.

*So keep believing in yourself and keep building the good stuff.*

