



IDEAL INSTITUTE OF ENGINEERING

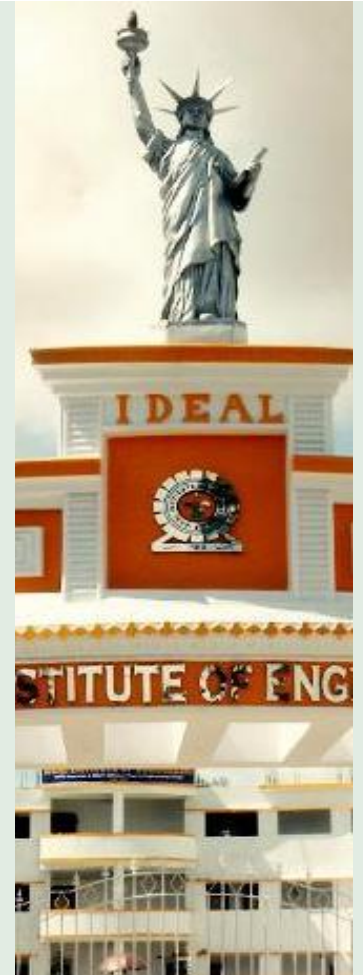
ANANTA DRISTI

ISSUE: 02

The Infinite Vision

Ananta Dristi,
The Yearly E-Magazine
Ideal Institute of Engineering

December, 2019



2019



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Editorial

Education is a tool to enlighten or to motivate a student, empower individual and drive them towards creativity and success. Engineering is all about innovation or creation which has social benefits. The overall objective of engineering will not be met if the engineers do not innovate or invent their talent into creation. Interestingly enough a self-disciplined person contributes to enough innovation or creation and eventually becomes more successful in life. It is the refining fire by which talent becomes creative. I am extremely delighted to see the creative expression of our students through the Magazine. Finally, they have proved that they can take every positive initiative if they have the proper intensity to do.

From the deepest core of my heart, I would like to extend my full support to all endeavors aimed for the advancement of the student community of this prestigious institution. I wish them every success and hope that this tradition set by the current editorial team would carry forward in the years to come.

**Best wishes
Thanks & Regards,
Dr. Arup Rakhsit,
Principal, IIE Kalyani.**

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মা

মাতৃভাষা মায়ের ভাষা
মায়ের পরিচয়
কোনদিন বাংলা ,হিন্দি কিংবা
ইংরাজীতে নয়,

মায়ের ভাষা কেমেল স্নেহ
আদর ভরা হাত
মায়ের কথা সারাজীবন
থাকবো খোকোর সাথে,

বাংলা,হিন্দি কিংবা ইংরাজীতে নয়
সবকিছুতে মায়ের আছে একই পরিচয়
সন্তানকে ভালোবাসা মায়ের বড় স্বাদ
কিন্তু আজ মায়ে
দের বড় অবসাদ।

- Rahul Chatterjee
CSE, 4th Year,
Batch:- 2016-2020

Ideal Institute of Engineering.



Images Captured by

Rittick Bag

CSE, 4th Year, Batch: 2016-2020

Ideal Institute of Engineering

DREAM

I don't really know what is dream? But what I think is, what we see in front of our eyes without our own wish is called dream. Like the dream we see in our sleep. The dream we see in sleep no one could remember about that after awaking. Sometimes we remember a little bit of the dream. But can anyone remember the full story of dream?? I don't know. What I think is no one can. Actually that was my thought. But now.....

First let me introduce myself. Me Avi. Avijit Sen. The only child of my dad. Of my dad, because my mom died when I was a little kid. My dad is a businessman. And me, just finish my college life. And now just wasting my time by sleeping or playing. I have a few friends, but they are busy with their work and love. I have no girlfriend or I have no tension about work. So free from every tension a boy could have in this age.

Now let come to the point. From past few days my dreams are becoming true. What I want to say is, what I see in night can remember clearly all story and that will happen in the next day. You can say i get the power to see the future. For example my dad wants me in his business so in his next journey he wants me to come with him. I saw these two days back in my dream. And

today morning my dad says the exact sentence what I saw in my dream.

I don't want to get into the work right now, but I also don't want to miss the journey with dad. It's a long time that I didn't get out with dad. The reason is my dad's work. For the past few years he became so busy. And there is also another reason to come. The business meeting is in a hilly area. And I love hill, mountain and the climate refresh me.

I came here two days ago and I saw a amazing dream last night. A girl is standing on a hill peak and I am watching her from back. I called her but she didn't turn around. So I started to move towards her slowly. I was feeling a mysterious feeling that I can't explain in words. When I reached near her I call her again. She didn't reply or move a bit. So I thought to touch her and when I touched her shoulder..... my dad called me and I woke up.

There was more than one question running in my head. Who is she? What she doing I my dream? And I also feeling some curiosity about will this dream become true also. So I prepare myself and run for the nearby hill peak. I can remember that the time in my dream was morning. So there could be a chance that I can see the girl in my dream in real also. When I reached there and climb to the top. But I see no one there or nearby. I feel very stupid and return. But I see the same dream next night too and

again and again I started to see the same dream every night. But when I go to the hill I see no one. Every night the same dream and every time I miss to see the face of the girl. Every day I go to the hill wishing to see that girl and tell the feelings for her. But all are waste, no one come. Now I started to dream in daytime also about the girl. For this dream I can't concentrate in any work. Can't eat properly, can't work properly. Most importantly I lost the enjoyment of this travel lost the company of my dad. My health status started to break. My dad notices my situation. But he thought the reason of sickness is the hilly climate. So we come back home. But the dream doesn't leave me. Or can't forget about the unseen girl. My feeling tell me that I fall in love with that girl. My dad takes me to many doctor. But my sickness is in my mind. So no one can find any weakness. All doctor advice to take rest and take good food. But for the girl I can't eat. She is in my dream and every time is become she for me. One day my dad takes me to psychiatrist. The doctor asks me what happen. I tell him about the dream of the girl. He asks me again why I went to the hill. So I tell him the entire story about my dream. The dream that became true. He listen my entire story. And tell," Dream is that what we see in our sleeping time. There no relation between real life and dream. And the dreams what became true is just coincident, nothing more. And for this girl dream after you see her you start to think about her all the time. So she came in your dream every night. Just try to think about other thing and you will be free from your dream trap".

Listening to doctor advice I join my dad's company and give as much time as I can in the work. By this in a few days forget the dream and the girl also. I become a healthy man in a few days. My dad becomes happy for joining his company. A funny thing is that I didn't tell anybody about my dream except the doctor, not my father nor my friends. And another thing after taking medicine from doctor now I become normal man. Mean I don't see the dreams what I see in past. Easily I lost the power to see the future.

Two years past from that incident. And I completely forgot that. Now days I am also a big businessman like my dad and a married person. I marry Nilima (my wife's name) just a month back. Today me and Nlima going for an outing. We go to the same place where I came two years back.

Here I spent two day normally. But last night I dream the same dream that I saw in past. In morning when I try to remember about the dream that I saw, I remember everything from the past. Next night I saw the same dream again and sleep well at night. When I wake up it was 6 am. I left the bed and for what type of attraction I started to walk towards the hill once again. When I reach to the hill side, I saw someone standing on the hill top and watching the sunshine. I started to walk towards her. I call her. But no reply. I get close to her. And touch her shoulder. The she turn back. And I see she none other than my wife Nlima. I ask

her," What are you doing here". She says that she has no idea about that. Just after waking up when she saw I am sleeping she just get out for a little walk and came here. I hug her and come down from the hill with her. And in my mind on thing is saying that I found, I found the girl in my dream.

Author: Chinmay Biswas
CSE, 2nd Year, Batch: 2018-2022
Ideal Institute of Engineering



Captured by: Anirban Mondal, CE, 3rd Year, Batch: 2017-21



Painting by: Debjit Mallick, CSE 4th Year, Batch: 2016-2020

কর্মে যেন হই মহান

মন্দিরে দেবতা যিনি, গীর্জায় ঈশ্বর,
মসজিদে আযানের ধ্বনিতে, ধ্বনিত হয় একই স্বর।
মুসলমানের আল্লা তিনি, হিন্দুর ভগবান,
তবে কেন এত ভেদাভেদ, খুন হয় ইনসান।
জাতী ভেদ প্রথা কে বা কারা, করেছেন সৃষ্টি,
তাদের মুখের গ্রাস, ছিনিয়ে নিতে, দিতে হবে দৃষ্টি।
ভেদাভেদ ভুলে, এগোতেই হবে, কেউ নই মোরা পর,
পুরোনো ধারণা ভাঙতেই হবে যা কিছু বর্বর
সকলে মোরা জন্মেছি ধরায় একই বিধাতার সন্তান
জন্মটাই বড় কথা নয় কর্মে যেন হই মহান।

অপরিচিতা ভৌমিক
Civil Engineering
2nd Year, Batch: 2018-2022
Ideal Institute of Engineering



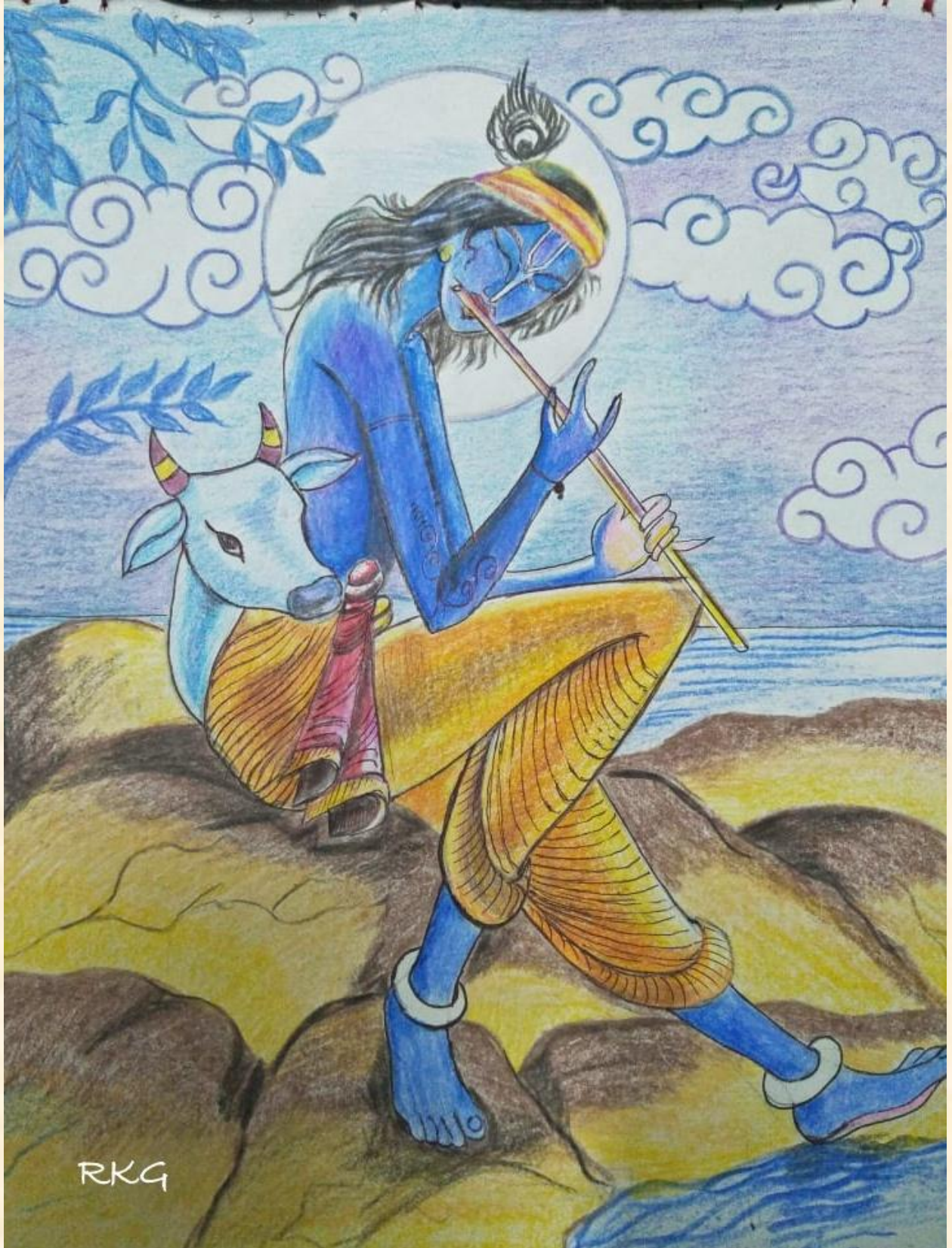
Created by: Manisha Biswas, EE, Batch 2015-2019



Captured by: Pratyay Kumar Kundu, EE, 2nd Year, Batch 2018-22



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Created by: Rahul Gond: ME, 4th Year, Batch: 2018-22

PEER PRESSURE

Nayna was tuning up her only escape, all alone in her bedroom. Her mother was cooking dinner while her father was reminding her constantly that tomorrow is a big day. Nayna will secure a rank in AIEEE tomorrow and she will go to an engineering college like all of her childhood friends. The next day Nayna was up early, she is thinking hard and down memory lane she remembers her first guitar lesson. Her dad brought home the acoustic one and it was a crimson red gibson. She had gotten a new feeling, she knew instantly the strings spoke to her. As Nayna began to grow up she expressed her interest to know more about guitars. Her father taught her everyday at night after coming home from work. Nayna performed exceptionally well in their farewell of tenth standard those compliments of her teachers still echoed in her ears.

As the time rolled on her attachment for guitar turned into a liability, according to her father she was slipping from her studies. After Nayna came to twelfth standard her passion began to crush under the pressure of NCERT books and question banks. She only played it now to free her shackles of reality, to breathe a little more life and as of late her one time inseparable guitar was gathering dust at the top of her dresser. She picks her torn notebook she looks up the chords one last time and plays the tuned up guitar. Ironically so Nayna decides to play 'Bird's

morning call' the way a free bird announces its freedom, the voice that screams louder as the bird soars higher into leaving this world behind. Nayna plays it like never before; she almost loses herself before coming back to her senses.

It is almost result's time, Nayna heads to the roof with guitar in one hand she stands at the edge of the eaves of the roof. Today she wants to fly; she wants to go away breaking herself from this cruel reality. She looks at the ground one last time as she realized that her dream to follow her idols like Kurt Cobain or Jimi Hendrix will never be a reality. Just as she prepares to fly her father grabs her .Tears in his face he looks at his daughter, he knows this all too well he can feel the pain Nayna is going through as he also wanted to become a well known guitarist some day. He pulls back his daughter from the edge of the eaves of the roof and as the sit on the roof both of them cries uncontrollably and Nayna's father whispers into her ears "Don't worry I will not let peer pressure get to you. You will fulfill my dream and from tomorrow I will begin to find a music institution for you .You will play, you will be recognized. Then we will cry again together standing at the top of the world ,only this time it would be tears of joy."

Author: Dipanjan Kanjilal
CSE, 4th Year, Batch: 2016-2020



Created by: Aakhi Sarkar, CSE, 4th Year, Batch: 2016-20, IIE



Captured by: Apurba Biswas
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Captured by: Debraj Sengupta
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Photo by: Rituparna Saha, Asst. Prof., Physics, IIE



Photo by: Tuhina Sinha, Asst. Prof., Dept. of CSE, IIE



Captured & Edited by: Souvik Ghosh, EE, 4th Year, Batch: 2016-20



Drawn by: Bhaskar Jana, 1st Year, CSE, Batch: 2019-23



Captured by: Debraj Sengupta, ME, 4th Year, Batch: 2016-20



Photo by: Avijit Das, 1st Year, CSE, Batch: 2019-23



স্বর্ণালীর
ক্যানভাস



স্বর্ণালীর
ক্যানভাস

Photos by: Swarnali Das, CSE, 3rd Year, Batch: 2017-21

The essence of Heart

At last the drama comes to an end
But its ray remains
In the inner heart of the enlighten audience
As it echoes again and again
It is surely a successful execution
Life is such
Life passes away but
Remains the essence forever
That's the real wealth of heart
Do not wash away ever
No, not never.

-Sukla Majumdar
Asst. Prof.,
Dept. of Basic Sc. & Hu
IIE, Kalyani



Captured by: Rittick Bag, CSE 4th Year, Batch: 2016-20



Ideal Institute of Engineering, Football Team

Reliance Youth Cup 2019

Photo by: Rittick Bag, CSE 4th Year



Road to Semifinal in Reliance Youth Cup 2019, Captured by
Rittick Bag, CSE, 4th Year, Batch: 2016-20

একুশ

একটি নদীর নাম

সতত প্রবাহমান

দেশে দেশে ছোট্টে বুক চিরে

শৃঙ্খল ভেঙে আনে

মুক্তির নিশান

কাঙাল নয় বাঙ্গাল সঞ্চারমান

আবেগে

একুশ আদায় করে সসন্মানে

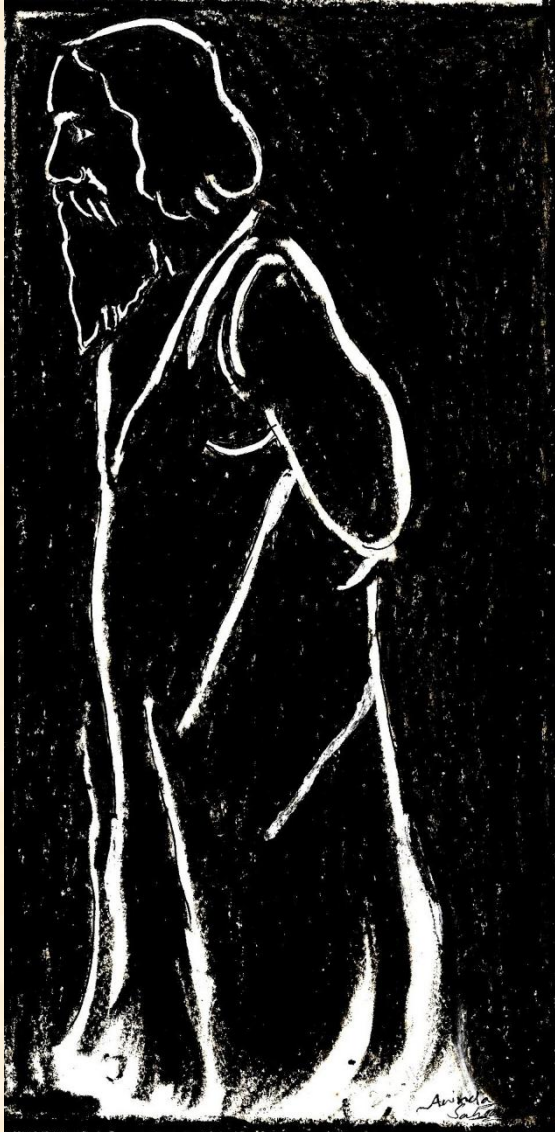
মায়ের ভাষায় কথা বলার অধিকার

বিশ্ববাসীর তরে

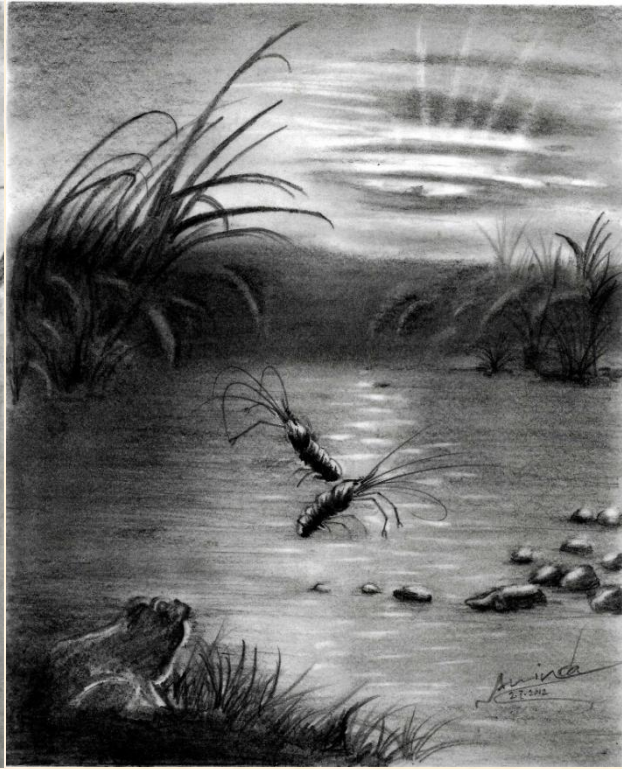
তাই, আনন্দধারা বহে আজ

বাঙ্গালির ঘরে ঘরে।

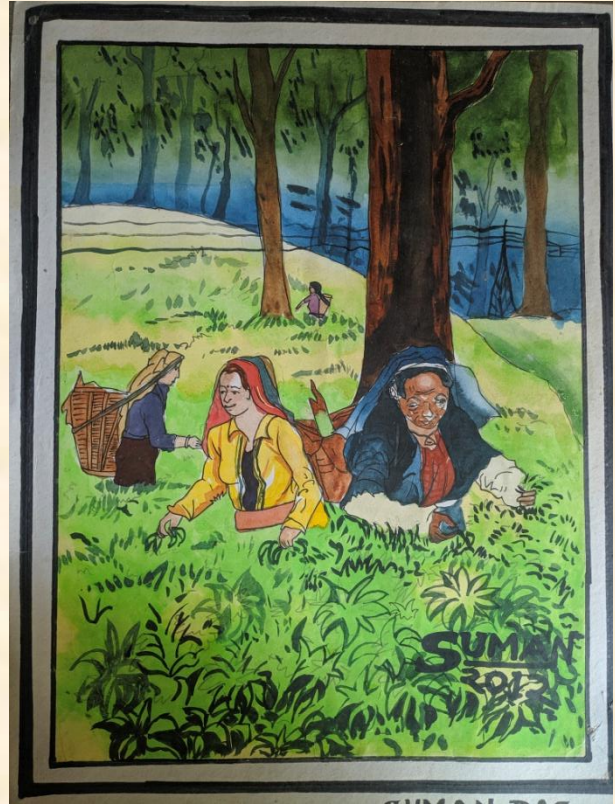
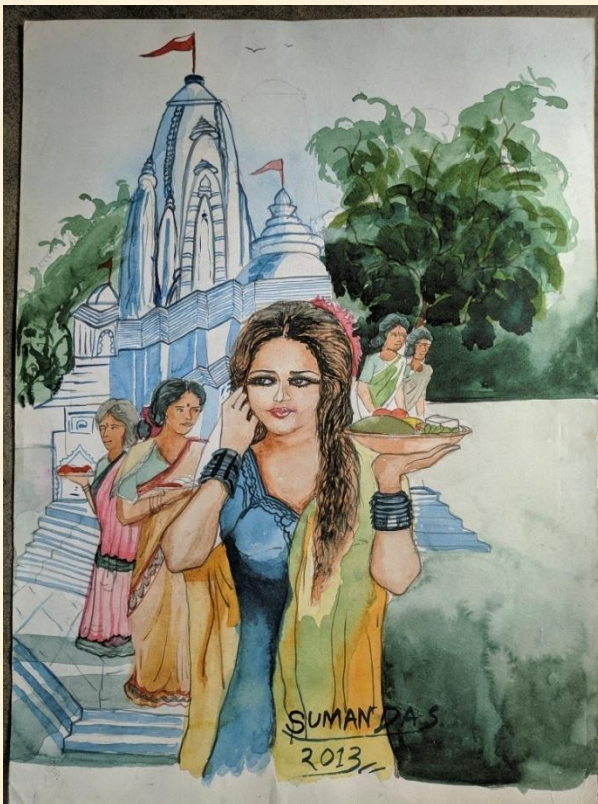
- By Sukla Majumdar
(Asst. Prof., Basic Sc & Humanities)



Sketch by: Aninda Sahoo, Civil Engg., 2nd Year, Batch: 2018-22



Sketch by: Aninda Sahoo, Civil Engg., 2nd Year, Batch: 2018-22



Painting by: Suman Das EE-2nd year, Batch: 2018-22

Article on Recent trend in Android Smartphone

Recent trend in Android Smartphones, specially in smartphone has seen a lot of hike. With almost most of the users carrying more than one Smartphone, people now-a-days are eager to change their Smartphone once every two year. With new sharks like XiaoMi, RealMe and One Plus, reknowned brands like Samsung, LG and Sony are lagging behind. The current article, will try to focus on the reason behind people bending towards these new Smartphone companies, categories on which people are focusing more, some innovative Smartphone of 2019 and the future of Smartphone.

The up rise of Mi and RealMe:

Mi or Xiaomi came to India back in 2010 with Mi 1s, but they changed the game when they launched Mi 3 with flagship chipset of Snapdragon 800, which was available on Flipkart for Rs.14,999. Imagine offering specifications of Samsung Galaxy S3 and Note 3 for half of its price. Since then Mi has launched around 80+ smartphones. They have the highest market share currently in the Smartphone market of India. The other most successful brand of recent history is RealMe which was originally a sub-brand of Oppo, i.e. also comes under the BBK telecommunication company. RealMe has currently 14.3% marketshare in India, and they are just a year old company with just 14 smartphones available in market. That's quite impressive. So what's the story behind their success? For Mi, they came to India when it was

dominated by Samsung and Motorola phones, LG and Micromax were also in the mix. But the specifications these companies used to provide, especially the chipset was quite poor, for the mid-range (Rs.9000-14000) segment. Mi with their Xiaomi 3 changed the game as they offered a much stable SoC (Chipset) in terms of Snapdragon 800. The concept of flash sale in flipkart website, made the device hugely popular. Xiaomi came back with Mi 4 series devices, which were fairly in the budget segment, and took over Motorola G-series market and also Samsung's Grand series market. The introduction of their sub-brand Redmi has ignited their success in the following years. Redmi Note series became hugely popular among the consumers. The success stories didn't stop there as Xiaomi did the unthinkable in 2018, when they launched another sub-brand in the name of Pocophone series. The Pocophone F1 came with Snapdragon 845 chipset, a Pixel-3 like Notch, IR sensor for face unlock and UFS 2.1 storage. All of that was available for only Rs.22000, compared to similar specifications offered by OnePlus and Samsung devices, starting at Rs. 30000. Poco F1 was awarded smartphone of the year. For Realme they used similar tactics as they focused first on the mid-range (Rs.9000-14000) and budget segment (Rs.4000-6500). With the launch of Realme 1 for Rs.11000, they became hugely popular. But ultimate glory for them was the Realme 2 series, when they launched Realme 2 and Realme 2 Pro with vibrant display with notch and all of that was available for Rs 8500 and Rs. 10,999. Realme 3 pro, Realme 5 pro built on the success of those devices

and they finally launched much waited flagship device (Snapdragon 855+, Super AMOLED Display, 64MP camera) Realme X2 Pro just few days ago.

Popular Categories:

- **Camera**: With evolving smartphone technologies, now-a-days Megapixel is increasing in Smartphone camera, whereas some phones are offering more sensors in their camera. For eg. Real Me X2 pro offers 64 MP with 3 other sensors (Depth, Macro and telephoto sensor), whereas Mi Note 10 is now offering 108 MP. Now firstly, more megapixel doesn't necessarily mean it will be better. For eg. Google Pixel phone's photo or camera is rated much higher than Mi or Realme cameras when Megapixel is same. The AI processing also plays a huge-role in that area. More megapixel generally means more pixels in your captured image, i.e. the higher the resolution is the more information you can embed in the image pixel. Sometimes, camera's processing unit also plays important role, for eg. Mi Note 10 takes 5-6 seconds to post-process image due to it's less powerful SoC (chipset SD730G). Pixel and Samsung Galaxy devices are popular for camera performances, also the Redmi Y series and Mi A series gets honourable mention in this category.

- **Display**: Now-a-days Smartphones have LCD, OLED and AMOLED screen. People find AMOLED and OLED screen much

more desirable as in-display fingerprint is only available in these displays. Also colors look punchy in AMOLED and OLED screen than a dull screen in LCD.

- **Performance:** The tech people tends to look into this category. Performance is a combination of Chipset, GPU, Storage type, UI and RAM. Whereas companies like Huawei and Samsung build their own chipset Kirin and Exynos respectively, most of the popular companies rely on Snapdragon and MediaTek. The current best processors are Snapdragon 865, MediaTek 1000G, Kirin 990. All of them offer 5G modem with UFS 3.0 storage and LPDDR4. UI plays a vital role as most people desire for Stock Android or Vanilla Android with no bloat wares. Whereas customizable UI like Oxygen OS and MIUI also got popular for their optimizations and customizations. Battery also plays a vital role in performance, as now-a-days we can see 6000 mAh battery in ASUS ROG II smartphone and Samsung Galaxy M30s as the highest one. It essentially increases the weight of the smartphone, but the phone can last for more days with bigger batteries. Although bigger batteries will need faster charging techniques, for eg. Warp charging by OnePlus or VooC charging by Oppo are popular among the consumers. Some honorable mentions: Samsung Galaxy S10+, OnePlus7Pro, Asus ROG II, Realme X2 pro.

- ***Value for money:*** The most popular category is value for money. Depends really on for how long a person is willing to keep the smartphone he is buying. If someone is opting for a device for 3 years he can easily go for higher end devices, else mid-range phones won't last that long, as the processor gets outdated too soon. Mid-range phones are used best for mostly 1.5 years-2 years. Some of the value for money smartphone include - Poco F1, RealMe 3 Pro, Mi A3, Redmi K20 Pro, Oppo Reno Ace, One Plus 6t etc.

Innovative smartphones of 2019:

Samsung Galaxy Fold: World's first foldable smartphone with dual screen.

Asus 6z: Camera that flips 270 degrees. A 48 MP flip camera that acts as front and back camera.

Moto Razr: World's 2nd foldable phone that folds vertically.

LG G8X: First phone with dual screen where one screen is connected to other one via type-C port.

Vivo Nex 3: 99.8% screen to body ratio with waterfall display.

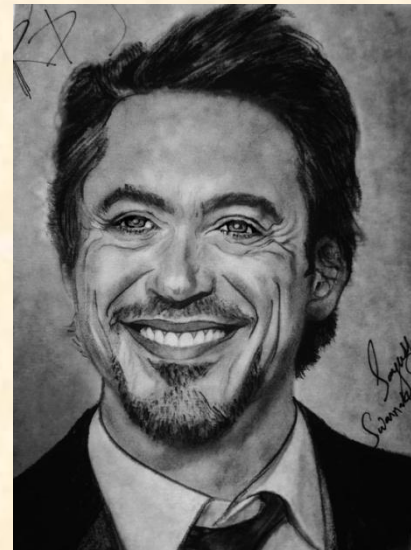
Mi Mix 4: Waterfall display that goes beyond the edges of the screen.

Future of smartphone:

With 5G still 3 years away, (in India) the following techs might get included soon in upcoming months

- 1) Under display front camera.
- 2) In-display fingerprint in LCD screens.
- 3) 100% screen to body ratio.
- 4) Assembled Smartphone.
- 5) New biometric system.
- 6) Higher mega-pixel cameras.

-Sayan Chakraborty
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IIE, Kalyani



Created by: Sayudh Swarnakar, CE 2nd year, Batch: 2018-22

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