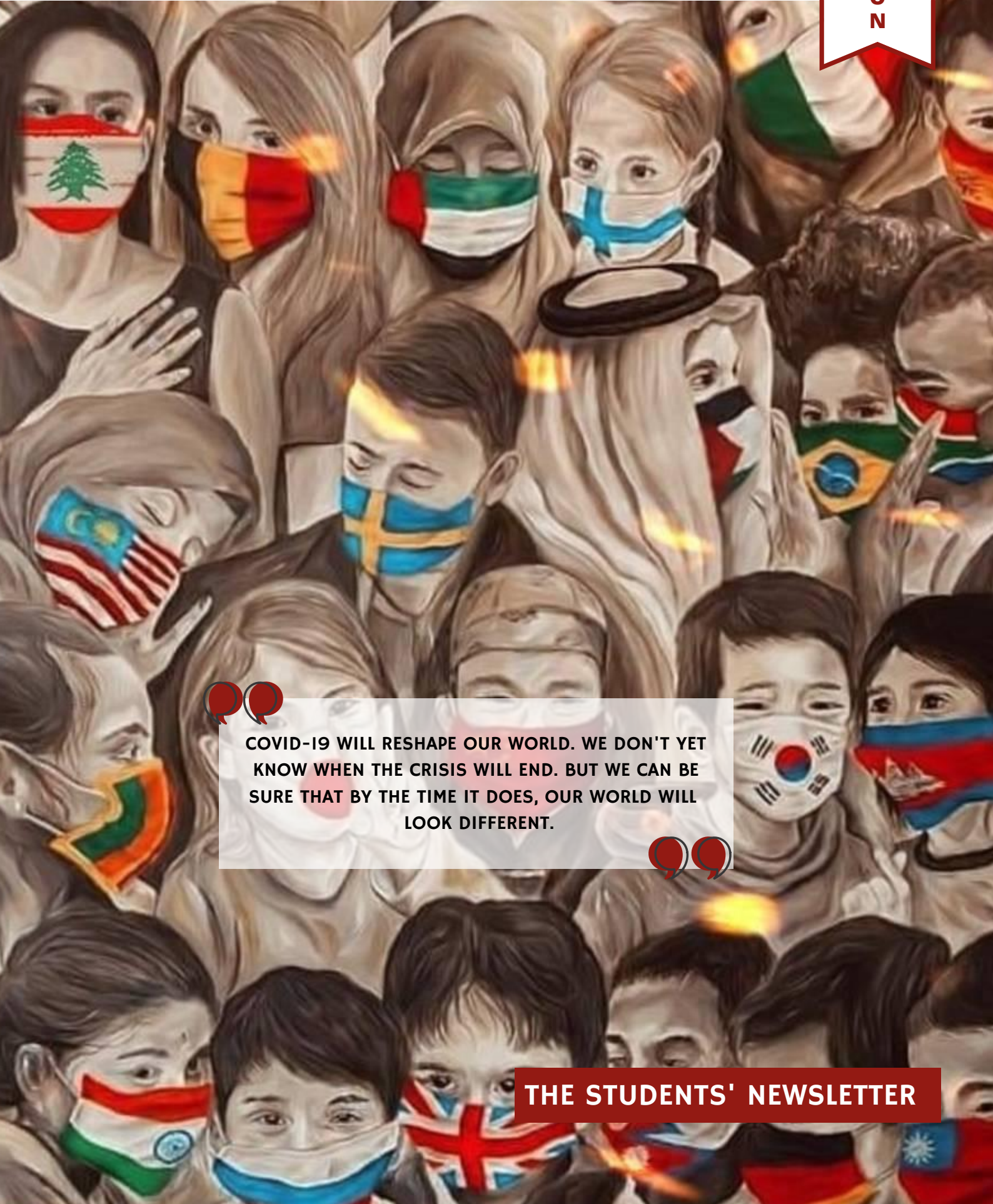


ALAGAPPA BUZZ

QUEST FOR EXCELLENCE



COVID-19 WILL RESHAPE OUR WORLD. WE DON'T YET KNOW WHEN THE CRISIS WILL END. BUT WE CAN BE SURE THAT BY THE TIME IT DOES, OUR WORLD WILL LOOK DIFFERENT.

Editor's Note



Along the banks of a little river stood a lone mango tree with a lone mango hanging from the top. As a little boy walked by, the mango caught his eye. With outstretched hands, he jumped and jumped to grab the mango, but it seemed beyond his reach. He gave up and walked away. A while later, a girl came along. She too saw the mango and wanted to have it. Spotting a low lying branch, she climbed up. She then scrambled up to the next higher branch. She kept climbing higher and higher, one branch at a time, till she was able to reach the mango and pluck it!

As each year commences we set ourselves goals in the resolutions but we give up even before we start! This year something similar happened. We had lofty goals for ourselves but did we succeed in following our goals? We didn't! Today the world is facing an unprecedented situation of covid-19 crisis, with everyone in lock down at home! But, why not look at this as a once-in-a-lifetime opportunity to spend time with our family? All stories have a happy ending and so will we have a happy ending! Spend the time with your loved ones and remember "This too shall pass!"

As we sign off, we wish you a happy quarantine with your family!

-The Concept Squad



Our interact session with our students about the magazine.



During the launch of our very first magazine.

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CAREER GUIDANCE

ALL YOU NEED IS A BIT OF MOTIVATION

WRITER'S PLACE

TECH ARENA

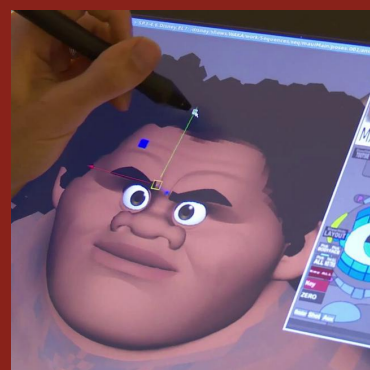
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01



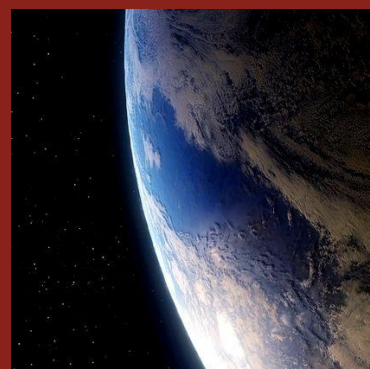
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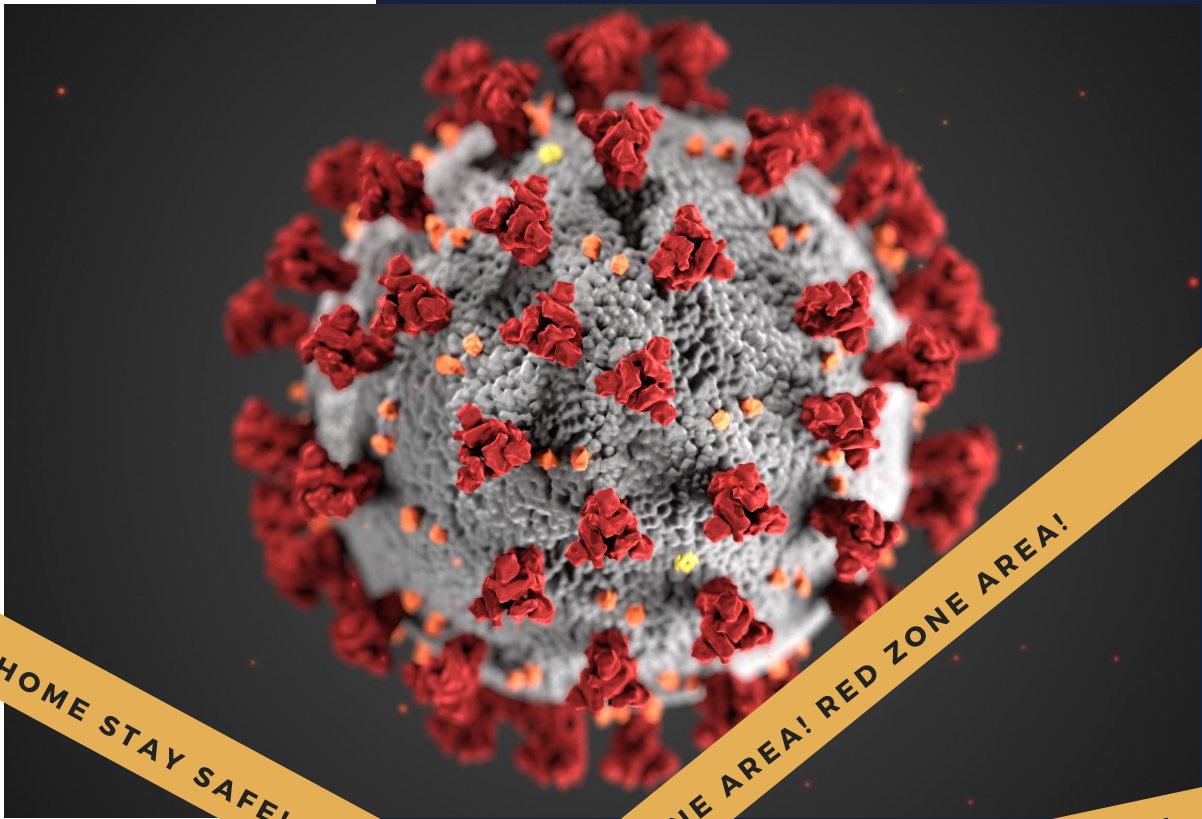
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THE

FLARE UP OF CORONAVIRUS

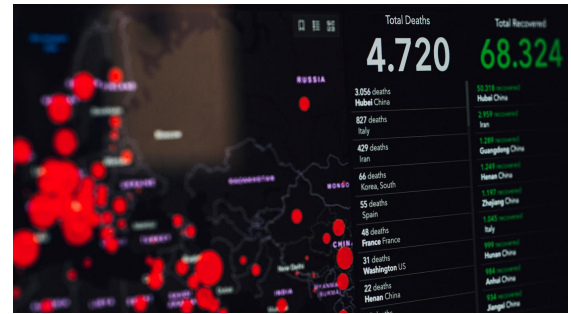


STAY HOME STAY SAFE! STAY HOME STAY SAFE!
RED ZONE AREA! RED ZONE AREA!
AREA UNDER LOCKDOWN! AREA UNDER LOCKDOWN!
ANTINE ! UNDER QUARANTINE!
UNDER QUARANTINE!
RED ZONE AREA! RED ZONE AREA!
AREA UNDER LOCKDOWN! AREA UNDER LOCKDOWN!
STAY HOME STAY SAFE!
AREA UNDER LOCKDOWN!

// ARTICLE BY NISMA FATHIMA.I //
JWN!

What coronavirus really is ?

Someone correctly said that "If health is gone everything is gone". Nowadays a new respiratory disease called covid-19 is spreading across the world. It was first identified during December, 2019 in Wuhan city of China. Covid is now a cause of large number of deaths across the world. It spreads mainly by droplets produced as a result of coughing or sneezing of an infected person.



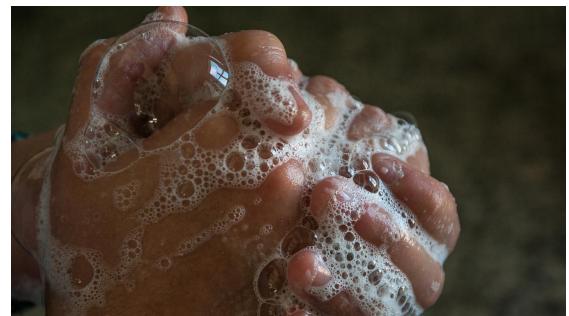
What are the symptoms?

- Fever
- Dry cough
- Breathing problem
- Some patients also have aches and pains, nasal congestion, runny nose or diarrhoea



Prevention tips

- Practice social distancing
- Practice good hygiene
- Avoid touching eyes, nose and mouth with unclean hands
- Wash hands regularly
- Wear mask
- Ensure that the surfaces and objects are regularly cleaned



Much has been written about how COVID-19 is affecting people in rich countries but less has been reported on what is happening in poor countries. Paradoxically, the first images of COVID-19 that India associates with are not ventilators or medical professionals in ICUs but of migrant laborers trudging back to their villages hundreds of miles away, lugging their belongings. With most of the economy shut down, the fragility of India's labor market was patent. It is estimated that in the first wave, almost 10 million people returned to their villages, half a million of them walking or bicycling. In this article we have discussed four major impacts of Coronavirus that had a very deep impact on our life.

Impacts of Coronavirus

Economic impacts

- Unemployment rates have increased
- Risk of recessions
- Oil price recovery
- Travel industry among hardest hit
- Huge drop in shoppers
- Vaccine hopes



Social impacts

- People started worrying about loss of their jobs
- People are undergoing depression
- Inability to meet demands due to constrained resources
- Limited operations
- Spreading awareness



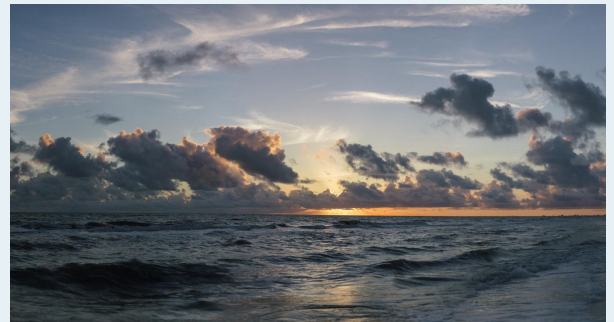
Impacts on Education

- Closure of Schools for an unknown duration
- Cancellation of Examinations
- Shift to online education
- Schools became more sensitive to Student Needs
- Unemployment for students who have finished their graduation



Environmental impact

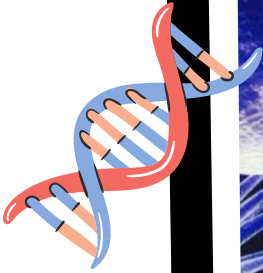
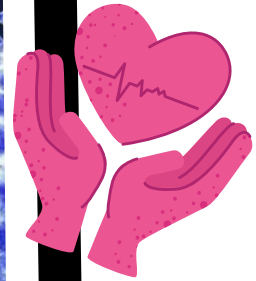
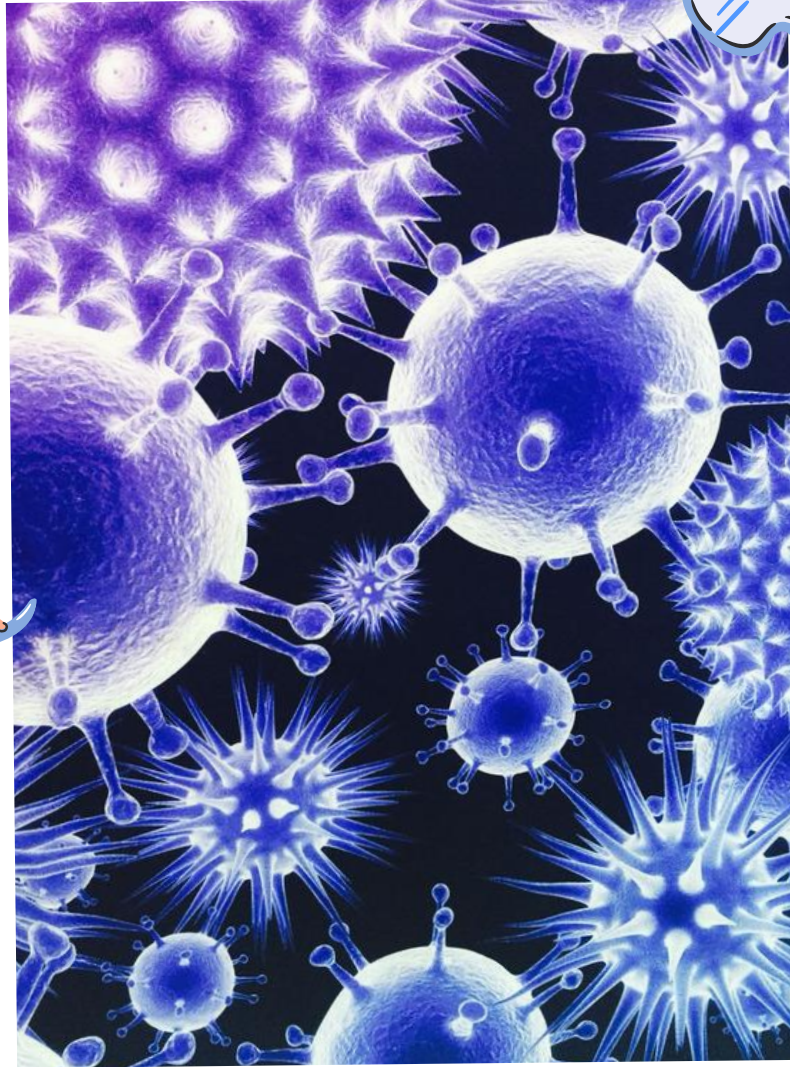
- Dropping of air pollution
- Marine life started thriving
- Animals started reconnecting with their habitat
- Plants started growing well
- Lesser clogging of rivers



As there is no specific treatment for disease caused by novel coronavirus, people should understand basic information about coronavirus disease. They must be aware of fake informations that are circulated online. We all must follow the lockdown rules. All our wishes for a better tomorrow will really work.

Stay home! Stay safe!

The Diagnostic methods of COVID -19



Covid-19



Clinical Diagnosis Of COVID - 19

SYMPTOMS:



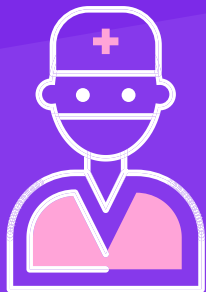
- Fever
- Throat pain
- Myalgia - muscle pain
- Lethargy
- Bowel disturbances



SIGNS:



- Temperature $> 100^{\circ}\text{F}$
- Pulse rate > 100
- Oxygen saturation $< 95\%$



④ BLOOD TEST:

(1.) Complete blood test finding:

- Increased monocyte count
- Decreased lymphocyte count

(2.) C reactive protein:

- Elevated

(3.) Rapid Serology Antibody test

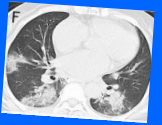
① X-RAY CHEST:

- Ground glass opacity in lungs



② CT SCAN THORAX:

- Ground glass opacity in lung fields

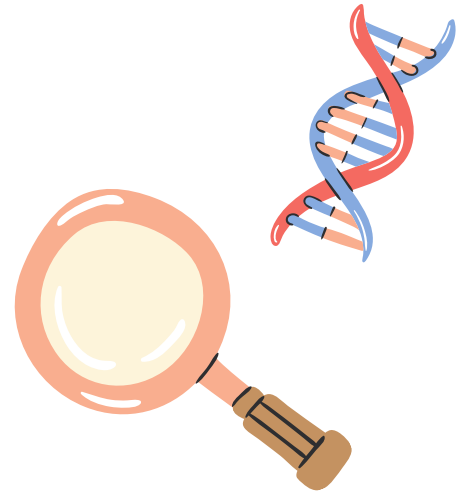


③ SWAB TEST - NASAL AND THROAT:

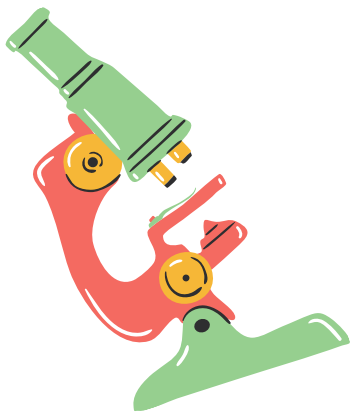
- The RT-PCR test

Among all the diagnostic methods, The RT-PCR test and Rapid Serology Antibody test are most commonly used for diagnosing COVID-19 in India

**Laboratory
Diagnosis Of
COVID - 19**



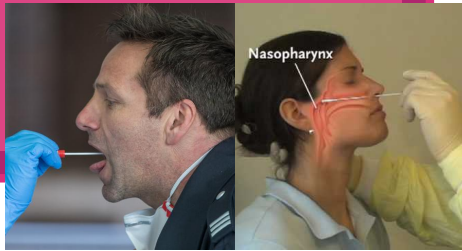
Swab test - nasal and throat: The RT - PCR test



The RT-PCR test

1

A sample is collected from the parts of the body where the COVID-19 virus gathers, such as a person's nose or throat.



2

The sample is treated with several chemical solutions that remove substances such as proteins and fats and that extract only the RNA present in the sample. This extracted RNA is a mix of the person's own genetic material and, if present, the virus's RNA. The RNA is reverse transcribed to DNA using a specific enzyme.



4

The mixture is then placed in an RT-PCR machine. The machine cycles through temperatures that heat and cool the mixture to trigger specific chemical reactions that create new, identical copies of the target sections of viral DNA.



3

Additional short fragments of DNA that are complementary to specific parts of the transcribed viral DNA is added. If the virus is present in a sample, these fragments attach themselves to target sections of the viral DNA.



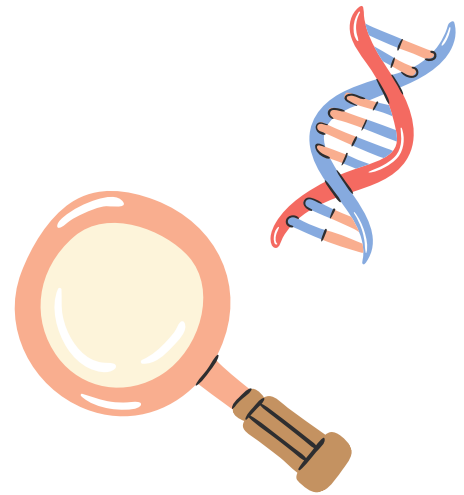
5

The cycle is repeated over and over to continue copying the target sections of viral DNA. Each cycle doubles the previous number: two copies become four, four copies become eight, and so on. A standard real time RT-PCR set-up usually goes through 35 cycles, which means that, by the end of the process, around 35 billion new copies of the sections of viral DNA are created from each strand of the virus present in the sample.

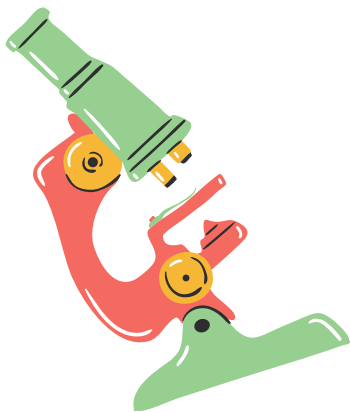
6

As new copies of the viral DNA sections are built, the marker labels attach to the DNA strands and then release a fluorescent dye, which is measured by the machine's computer and presented in real time on the screen. The computer tracks the amount of fluorescence in the sample after each cycle. When a certain level of fluorescence is surpassed, this confirms that the virus is present.



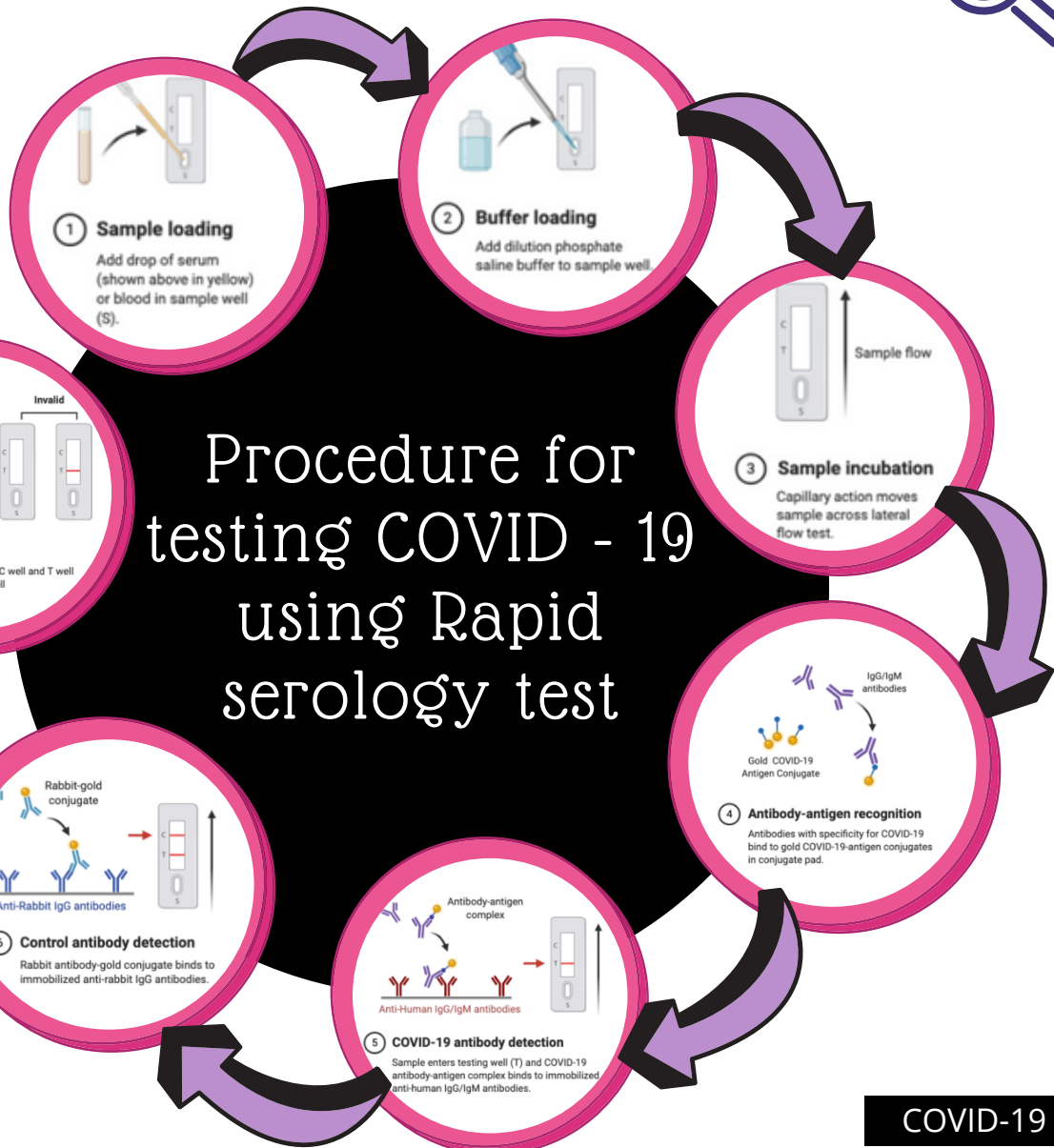
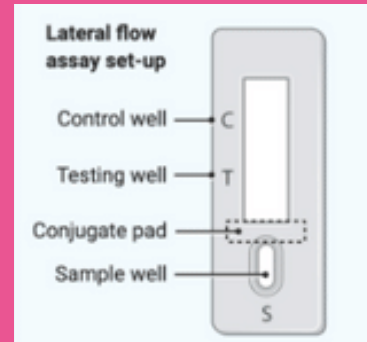


Blood test : Rapid Serology. Antibody test



Rapid Serology Antibody test

Antibody testing for SARS-CoV-2, including IgM and IgG responses, will enable us to understand the prevalence and incidence of SARS-CoV-2 infections. Rapid serology antibody tests work by screening a sample of blood, serum, or plasma for the presence of SARS-CoV-2-specific antibodies. The rapid test uses the principle of capillary action to pull the sample across the strip into the test's detection zone. As the sample progresses across the detection zone, antibodies in the sample may bind to recombinant SARS-CoV-2 antigens immobilized on the test membrane. Depending on the content of the sample, the test will display one or more colored lines, indicating binding and thus presence of antibodies generated in response to a SARS-CoV-2 infection.



WHAT OUR SCHOOL DID TO CREATE AWARENESS ABOUT COVID-19?

A skit on covid-19

The students of our School performed a skit on the novel coronavirus, to spread awareness among their fellow students. The skit was a conversation between a Doctor and a patient. The patient came to the doctor, because she was experiencing cold and cough. And then the doctor told the patient not to take any tablets, instead the doctor suggested the patient to wash hands and legs regularly, to wear a mask, to drink hot water regularly and to keep her surroundings clean. By this skit our students were able to understand what coronavirus really is, what are its causative agents, its origin, its symptoms and its preventive methods.



Corona poster launch by the Rotary Club Rainbow

The Rotary club Rainbow conducted a poster launch at our school, called "KILL COVID-19". The initiative was taken by the club to create an awareness of 'Intensive hygiene practice', to prevent and safeguard from Coronavirus Infection. Dr.Sampath, State Surveillance Officer and Joint Director of Public Health epidemic government of Tamil Nadu updated and enlightened the audience about the dreadful disease and answered the queries put up by the students of many schools who attended the program. The Presidents of various Rotary clubs graced the occasion with their presence. They appealed the students to pass on the message and spread awareness and to make Tamil Nadu a safe zone. At last they appreciated the Management of our school for our support and kind cooperation towards a good cause.



OUR CHAIRMAN'S COMMITMENT TO FIGHT THE PANDEMIC

DiaCarta Inc., a biotech company based in San Francisco, CA, USA, where our Chairman is on the board, received regulatory approval from the US FDA, European Union, Mexico & India for its QuantiVirus™ SARS-CoV-2 Test. In a press release in July 2020 DiaCarta announced that its QuantiVirus™ SARS-CoV-2 RT-PCR test kit has been successfully evaluated by the Indian Council of Medical Research (ICMR). The evaluation showed 100% sensitivity and 100% specificity without any interference with other respiratory viruses and has been cleared for sale in the Indian market.

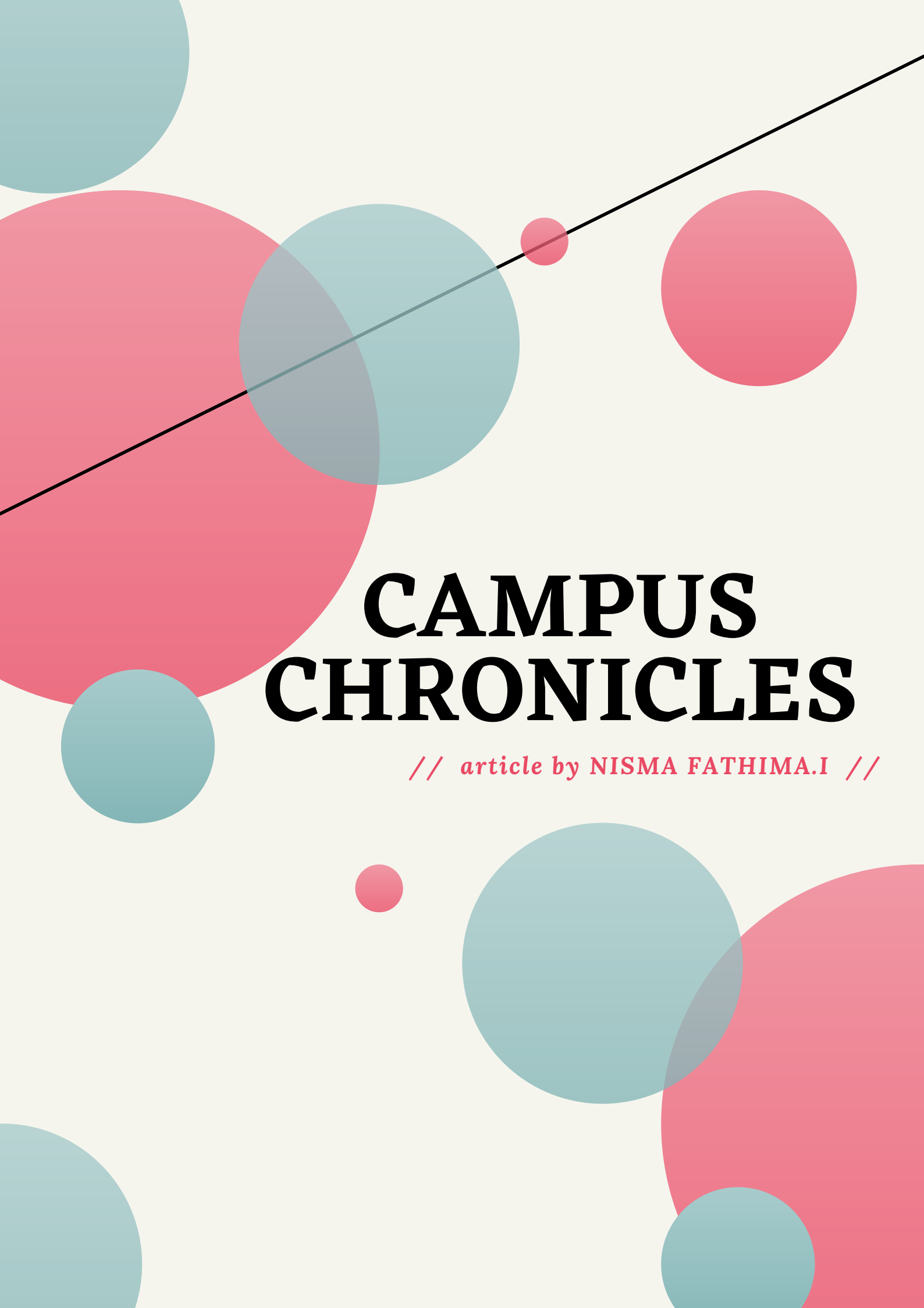


Dr. Ramanathan Vairavan

CHAIRMAN

ALAGAPPA SCHOOLS, CHENNAI

“With an urgent global need for the availability of highly sensitive and specific tests to minimize the risk of false-negative results and mitigate the ongoing transmission of the deadly virus, we are pleased that our test has met the stringent requirements of the regulatory agencies in Mexico and India and has received regulatory approvals” said Dr. Ramanathan Vairavan. He further said that “with increasing incidence of COVID-19 around the globe, there is a need for cost efficient tests that are easy to perform on commonly available qPCR platforms. At DiaCarta, we are committed to work with governmental and private institutions to increase test availability and arrest the spread of the coronavirus. In addition, the DiaCarta CLIA certified laboratory in the San Francisco Bay Area has been actively engaged to provide COVID-19 testing to support America’s Back to Work and Back to School initiatives.”



CAMPUS CHRONICLES

// article by NISMA FATHIMA.I //

HOW OUR SCHOOL MANAGES CRISIS WITH ONLINE TEACHING



BULLYING

CHALLENGES

A NEW EXPERIENCE

POOR RESPONSES
FROM STUDENTS

MENTAL TRAUMA

NO ENCOURAGEMENT

Bullying by students, argumentative parents who often peep into classes, and distracted children — these are just some of the challenges teachers face during online classes, which have become the primary mode of instruction as schools remain shut down on account of the Covid-19 pandemic. The online teaching process has left teachers overworked and also open to abusive behavior from students. Students have been using language, expressions and gestures which must not be used before anyone, let alone a teacher. Some teachers have spoken of mental trauma. Teachers say online classes have ruined the classroom decorum. Students, they claim, often make fake IDs to make inappropriate remarks about them during class. Another challenge is keeping students engaged, especially the really young ones who “mostly run away during online classes”. Teachers said while teaching online is fine, “follow-up is the more challenging part, especially with students who do not have smartphones”. “Teachers made a lot of calls every evening to check with students who do not have smartphones.” “Some students have even given wrong numbers to the teachers, so it becomes very difficult for teachers to follow up.” But did the bullying students think that this will stop our teachers? These online classes were a nightmare for our teachers. But they never gave up! Our management was ready for the first of their tomorrows and hoped in a positive way to start the home learning journey of students and staff. The Covid-19 lock down will surely end someday. However, their stresses and scars will remind India’s school teachers of their own corona virus battle for a long time to come. We students are sincerely thankful to our school’s management for giving a supportive platform for our teachers to excel in making a difference to our academic education even during this lock down. We also congratulate our school for having such a passionate and dedicated teachers in their team, which we believe, will help prepare students in our school to become responsible individuals, and reach greater heights on the academic front.

So times are challenging and changing, our school and our teachers have taken a strong will that they will ensure that we get quality education no matter what! They have supported us and reminded us that they are #in_this_together.

Feedback from our dedicated teachers

Offline classes are much better because recording classes and uploading in YouTube and then sharing the link with students is way more easier. Online or live classes are little tough to handle because I'm not able to interact with my students. If I start interaction there are chances of many students shouting and so I won't be able to take class. Also online classes couldn't be recorded and students who missed online class have no chance of seeing it again. Without laptop at home I find it very stressful!

-Ms.Deepika.K.K
M.Sc., M.Phil.

I feel like safe education is prioritized using digital teaching. Online teaching gives a vivid experience on group discussion which is flexible for both the students and teachers. Documentation of the notes shared is very useful for my students. Conducting lectures at convenient place.

-Mrs.Geetha Ravi.A
M.Sc., B.Ed.

I feel very happy to take online classes for children during this lock down period . It's a new experience for both me and my students. I feel satisfied and encouraged when my students complete their homework which I assigned them.

-Mrs.Janaki. E
M.A., M.Phil., B.Ed.

Having only 50% of students during online classes actually feels boring. I expect responses from my students and their responses motivates me to put more efforts and to take the classes in a better way or interesting way. Students- teachers interaction is nil. And all I can do is keep trying to reach out to my students for their cooperation.

-Mrs.G.Savithri
PGT M.Sc., B.Ed., M.Phil.

Google meet is much better than uploading videos in youtube. It helps me to view students presence and grasp attention from them. It gives class room feeling both to teachers and students. Moreover students are more anxious for google meet class and are showing interest for participation. Hiding video of students is not helpful to check whether they are observing class or not. And students must cooperate with us so that we get motivated and do our best.

-Mrs.Banu
PGT Commerce

The first day of Google meet went on well. Many of my students were eager to learn new chapters and they were very keen and observant. The teacher and student interaction went well . All the students took notes. As they were learning online they understood the concepts well.

-Mrs.Kavitha
M.A., M.Phil., B.Ed

When working online students have endless source of information. They don't need a teacher to explain something for 45 minutes so we keep whole sessions short around 10-20 minutes. We let our students know that we are there for them. We make a few announcements and send them off to complete their activities.

-Mrs.T.S.Revathy
M.A Economics

The Solitary Teacher

Behold her, single in the class, Yon solitary Manipal lass!
Speaking and explaining by herself; On pressure, volume, energy and mass
Alone she lectures and asks a question, Is overflowing with her sound.

And derives a lengthy equation; O listen! for the room around
Does anyone know what she says? - Perhaps theorems of some scientist bygone;
Boltzmann, Einstein or Planck's essays All masters from an era long gone.
Or is it some more wanted topic, Pressing matters of the day?
Sharing concerns of this pandemic; That has taken many a prey.

Whatever the topic, the teacher spoke
As if her discourse would have no ending; Their faces in her heart she bore,

You see her "online" at work, And o'er the laptop, bending.
They listened faceless, far away; As they logged off, she calls it a day.
Long after their voices were heard no more.

-Mrs.S.Madhu
PGT History

How parents were managing kids at home?

We never imagined that we would have to be stuck inside for so long. It is very unfortunate that in some families, the parents are not given due respect and treated respectfully. They are discarded by their own children for petty things in life. However this time has given us the opportunity to rekindle the relationship we lost with our family. With the fast-paced lives, we were living, we hardly sat together as a family. Thanks to "Bharat Band", we are back to olden days and are given a chance to go back to the days when family time was the most important time of the day. Here are a few ways in which the lock down has benefitted families by,

- Spending time with each other
- Eating together
- Doing the household together
- Watching movie together
- Playing board games
- Cooking together
- Doing fun activities like singing and dancing
- Doing workout together
- Having family talent Show
- Learning something new together

Indeed lock down was a blessing in disguise for us to understand our parents and to know more about them! And as we started to learn how to love our parents, new relationship dimensions emerged! Let's hold on to our parents in our families and stay in the light of their love and wisdom. ”



PARENT'S THOUGHTS

This lock down is indeed difficult for everyone but it has reunited the family! When my son was little, we took care of him and nurtured him with utmost love and care. Once he turned 4, he started going to school, and was busy in his own schedule. And whenever I come from work, I find him sleeping. Barely I was able to spend time with him. But now, thanks to lock down, we are knowing more about his interests and even he is enjoying with his sisters.

-A.Ismail Basha, F/O I.Muhammad, SRM Amethyst

The biggest challenge for parents during this pandemic was to take care of our kid's physical health. To reduce our kid's anxiety, we taught her to meditate, do yoga, listen to music and watch cartoons. We insisted her to maintain social distance among people and to wash her hands and legs frequently.

-D.Sugirthavalli, M/O M.D.Sanjana Sri, SRM Garnet

The biggest challenge for parents during this pandemic period is to convince kids that they should not go out and play, maintain social distance and wash their hands regularly. Due to lock down all restaurants are closed and being a parent we are taking extra efforts to prepare tasty food at home which kids like and prefer. We are seeing that kids spend their maximum time in 'Edutainment', which means both education and entertainment. Being parents we are taking complete care on our kid's physical and mental health.

-Indrani, M/O Jenisha.S, SRM Garnet

We are very keen during this pandemic period, we have taken very special care of our child and we are teaching him to maintain social distance, wear masks and to wash his hands regularly. We were very concerned about our child's eating habits, we insisted him to eat nutritious food to remain healthy. We thank all the teachers who have taken care of our child during the class.

-G.Sridhar, F/O S.Deepan, SRM Coral

Oh my god! It is very difficult to handle them. Now all the parents will realize the value dedicated teachers. Really my kids are very difficult to handle and also to keep safe. Some times they are like a flower some times they are like a hard rock to handle. Of course this quarantine period is very challenging and difficult for all the parents.

-Famitha parveen, M/O Ayisha Waffiya, SRM Amethyst

Online class is really helpful for my son, it is easy for him to learn all the lessons before the school reopens, I thank all the teachers for their efforts. My son is missing his friends, but he has learnt to love us too! He is helping me with the household chores. We are also contributing our part to maintain our area clean.

-M.Bharathi, M/O Abishek.B, X-D

Quarantine days were really tough in the beginning. We approached it in a positive way and that's when we found it easier. We didn't allow our children to go out of house. We spent our time with them, cooked different varieties of food and ate it together. I'm proud of my son, because he is following a routine for all the activities and is abiding by it. Online classes were very useful to my son as it helped him to be aligned with his studies.

-Sujatha R, M/O Adhithya Ragavendar.S, X-D

We are very keen during this pandemic and hence we are not allowing our children to go outside. Online classes are helpful for my son and it's good that they are studying even during this lock down. It's been long since we spent time together, we and the kids are enjoying this opportunity by doing activities together and we are happy about it!

-Chitra, M/O Praneeth C S, X-D

This pandemic is like a nightmare to us, hope it will be get over soon. Well, in the beginning it was difficult for all of us to cope with this lock down, but later we got used to it. It has been days since we spent time together but now, we were with each other for more than 3 months and we are understanding each other really well!

-R.Latha, M/O Mohan Raj.R, X-D

It has been a long time since we spent time together. This lock down gave us an opportunity to be with our loved ones. I'm glad that my daughter started to bond with her sister and brother. She has also started to help me with my daily chores. And together we watch movies and do fun activities. Having kids at home is indeed great! I don't know if we will get a chance like this in future. Online classes are also of great help to her.

-T.E.Reshma, M/O I.Mariyam, VII-D

In this quartos situation all we needed to protect our kids was physical and mental strength. For physical strength we taught our daughter to be clean and to eat nutritious food. And for mental fitness, we spent time with each other by cooking food together and crafting together. We also kept her engaged with her grand parents for spending time. In this manner we gave our best to keep our home happy! Thank you for this opportunity.

- K.Hemavathi, M/O K.Aashirya, VII-B

I advice my son to not go out and to maintain social distance among people. We insist him to take healthy food and to wash hands regularly. It's really hard for him to not go out, but still he abides by it. He misses his friends and school and hopes to come to school very soon!

-K.K.Gangadharan, F/O K.G.Ruthrishwar, XII-A

HOW STUDENTS ARE COPING WITH ONLINE TEACHING?



Online training comes with its own particular characteristics, which can jeopardize (or limit) the success of the training. Students also feel burdened with their assignments and tasks that they are supposed to complete within a day or two. They feel it as a peer pressure on them and it is also one of the reason why students don't attend their online classes. Therefore, in this article we have discussed what problems students were coping with online classes.

- Little or no face-to-face interaction
- More home work and assignments to do
- Intense requirement for self-discipline
- Even more intense requirement for self-direction
- Technical Issues
- Time Management

No Matter What Challenges You May Face, You're Not Alone!

Online learning may be new and different, but it also allows us to take the courses we need, so that we can earn the degree we want—all in a supportive and convenient setting. Even if we're facing challenges, believe that we can do this. Managing our time wisely and focusing on our goals are great ways to stay on track and accomplish what we want to get out of our program.

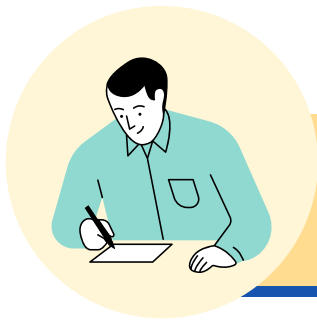


CAREER GUIDANCE

CAREER PATH BEGINS HERE...



// BY D. MANOJ KUMAR //



CAN ANYBODY BECOME A WRITER?

Starting a profession as a writer is like starting a profession as an author. Before you begin taking jobs, you have to ensure that you have the right skills.

What Kind Of Education Is Required To Be a writer?

Anybody can become a writer with or without official education. But, a specific amount of knowledge and skill is required.

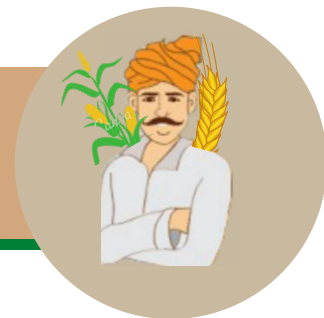
Skills you need to master

- Communication skills
- Spelling and Grammar knowledge
- Creativity

Future scope of writer

In India, the film industry as well as the advertisement industry has grown well, so there will be no unemployment for creative writers. Therefore the future scope of the writers are guaranteed.

ARE YOU INTERESTED IN FARMING?



Farming as a career is a great choice. Many aspirants want to develop their career as farming, but they don't know how to start. Agriculture is one of the important fields in India and majority of the people as well as industries are dependent on farming. Agriculture plays a vital role in the Indian economy. Therefore, to gain this knowledge, proper education and training in agriculture course is required.

What are the courses available in the field of agriculture?

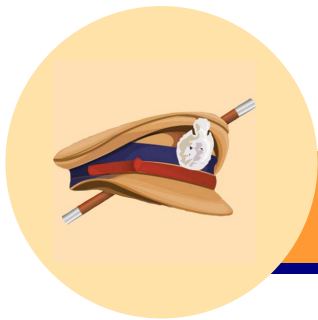
- **Agricultural Engineering:** Agricultural Engineering helps in designing, building and bettering farming equipment, machinery & manufacturing methods to increase the efficiency of farming activities.
- **Horticulture:** Horticulture is the science of developing and cultivating fruits, vegetables, herbs, ornamental trees, and decorative flowers.
- **Dairy Technology:** Dairy Technology is a field mainly related to the production and processing of milk.
- **Poultry Farming:** It involves growing domestic birds like chickens and ducks for their meat and eggs.
- **Fisheries Science:** This study deals with understanding the theory of cultivation and harvesting of fish on a commercial basis in freshwater, brackish (saline) water or any marine environment.
- **Agronomy:** It is the branch of agricultural science that deals with the study of crops and the soil in which they grow.
- **Agricultural Economics:** It involves the principles of Economics to the agricultural industry.
- **Agri-Business Management:** This field involves the management of all the business aspects of agriculture.

Future of farming in India

Agriculture has grown tremendously in modern times and it will face an enormous challenges in future.

Farming is up to four times more effective than any other sectors in reducing poverty. Increasingly, India is counting on agriculture to produce more nutritious food and to improve the livelihoods of a booming population, especially the poor.





CAREER AS IAS OFFICER!

Many talented students aspire to have a career as an IAS officer but only few get the job. The Indian Administrative Service (IAS) is a branch of the Indian Civil Service. The role of an IAS officer is to handle the administrative matters of the government. Unlike common undergraduate courses, civil service is a life time career option.

But first, you need to qualify for the mandatory entrance exams (UPSC CSE), to become an IAS officer and get enrollment in the government set-up.

IAS is one of the prestigious and popular career options among many aspirants preferring to make a career in the government sector. The job of an IAS officer offers several perks and privileges that no other job can offer.

Eligibility and qualification for UPSC CSE exam

Graduation:

- Candidates must hold a Bachelor's degree in any stream from any recognized university.
- Candidates who have passed the final year of MBBS or any Medical Examination but are yet to complete the internship can also appear for the Main Examination. However, they must submit a certificate from the concerned University that they have passed the final professional medical examination.

Age limitation: (for general candidates)

The minimum age required to appear for the IAS exam is 21 years and maximum of 32 years.

Attempts:

For General Candidates: 6 attempts (Up to 32 Years).

Duties and Responsibility of an IAS Officer

The IAS officers are responsible for managing issues related to administrative functioning of the various departments where they are posted. They frame policies and also advise the ministers on various issues. They are also responsible for maintaining the law and order in their area, if they are posted in that rank. Take the case of the District Magistrate who takes care of overall development in his district as well as looks after the law and order situation.

ARE YOU INTERESTED IN BECOMING AN ANIMATOR?



Being an animator is a wonderful profession, where you can have the opportunity to give life to images.

A career in animation could be the right choice for today's youth with high salaries, career growth and a chance to showcase your creativity. The movies like Baahubali, Kung Fu Panda, Ice Age and others being a popular among children and adults alike, the prospects of animation industry looks bright.

Obtaining the proper training

If you obtain a bachelor's or associate's degree from a university or technical college it will be easier to find a job as an animator. Further you have to consider an educational institution which provides courses on 2-D and 3-D animation.

Be expert in required skills

- Drawing skills
- Analysing skills
- Graphic design skills
- Colour importance
- Timing and spacing

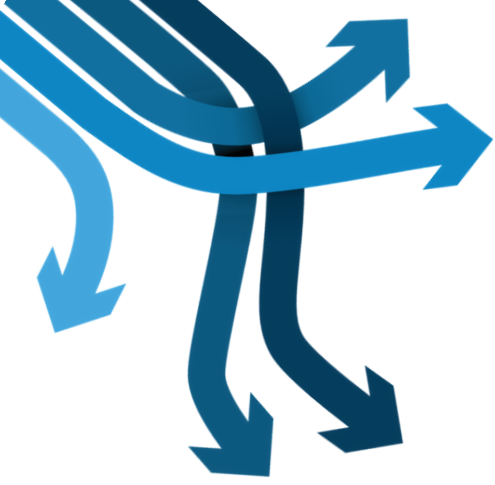
What is the scope of animation in future?

The future of animation is promising. There are variety of job offers in advertisement, movies and games. Especially in India, animation films are one of the growing industries and attractive among kids.

Also games play major role in the world.

Animation is becoming more and more commonly used in TV adverts. As TV adverts increase, the need for animator will be on hike. Therefore, animator are one of the demanded jobs.





Picking out a right career option is the most important decision in life. Students may feel difficulties in choosing a right path after their 10th and 12th.

Apart from high paying and common courses such as Medicine, Engineering, Management, CA, etc., there are various options like Travel, Art, Media and so on.

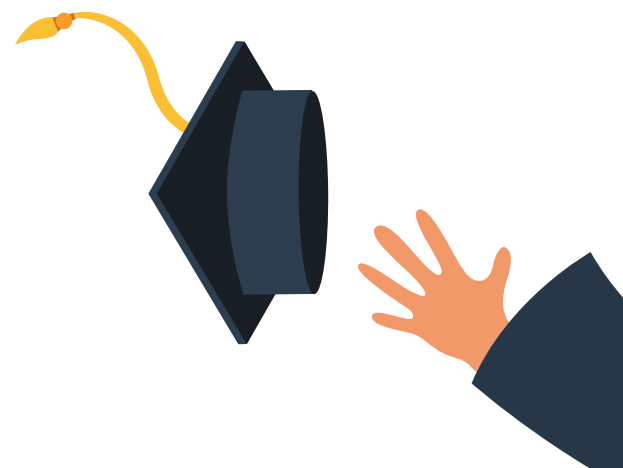
With thousands of career options, how will you find a career that's right for you? If you don't know how to or where to start, first you have to learn about yourself, your interest, passion and your skill.

Following your passion is the best path to success.

**" IT'S NOT HARD TO MAKE DECISIONS
WHEN YOU KNOW WHAT YOUR VALUES ARE "**

Choose the right career and develop your knowledge and skill accordingly.

All the best



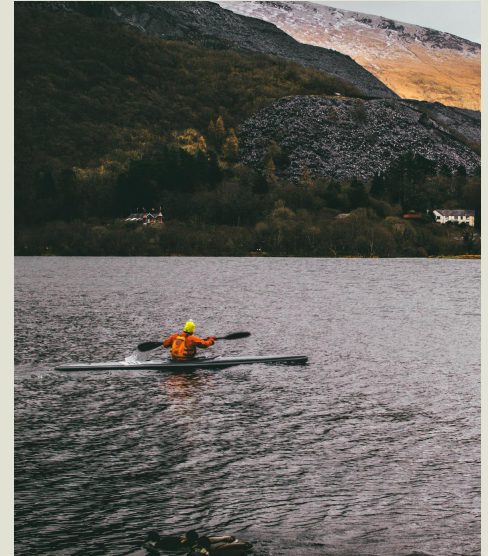
An aerial photograph of a winding asphalt road cutting through a dense, lush green forest. Several cars are visible on the road, including a red car, a white car, a blue car, and a black car. The road curves in an S-shape. A semi-transparent grey rectangular box is overlaid in the center of the image, containing the text.

**ALL YOU
NEED IS A
BIT OF
MOTIVATION!**

// BY NISMA FATHIMA.I //

Have you ever seen kayakers ride over a waterfall? They tackle the waterfall to challenge nature and experience an adrenaline rush. This activity has now become a sport for those who enjoy pushing themselves, and nature to the limits. Just like how a kayaker faces challenges on the river, the road to success is not going to be easy. If it were easy, then everyone would be at the top. We all fall at some point in life. So here we are to help you all to stay motivated.

- Visualise your goals.
- Be a warrior, not a worrier.
- Be well-informed.
- Surround yourself with people who have positive outlook.
- See the big picture.
- Have a strategy and get help if needed.
- Commit yourself to consistency every day.
- Enjoy every moment.

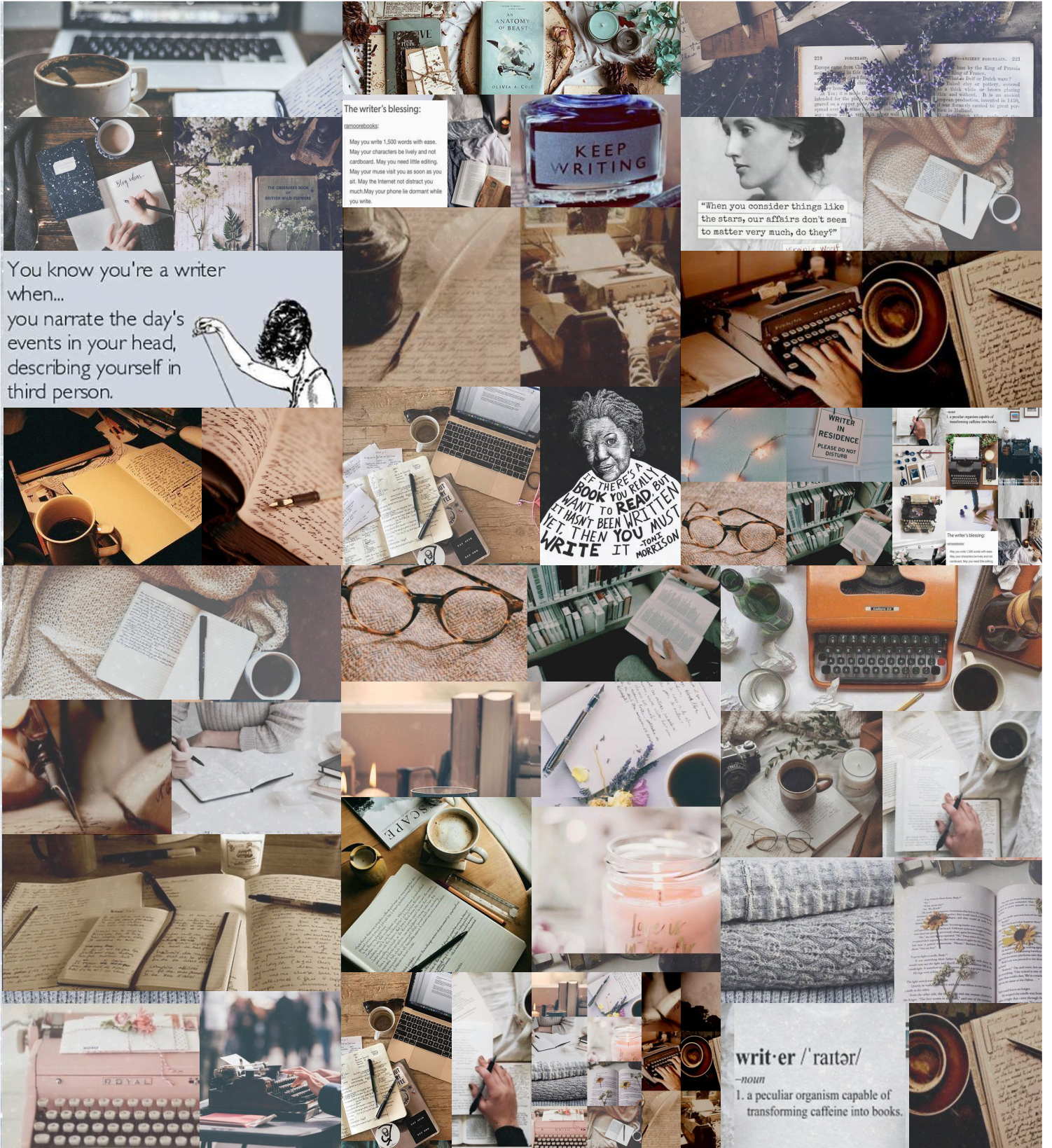


Motivation is one of the key elements that help a person to be successful. A motivated person tries to push his limits and always tries to improve his performance day by day. Also, the person always gives her/his best no matter what the task is. Besides, the person always tries to remain progressive and dedicated to her/his goals. You may have a lot of goals in your life which you may haven't achieved, but we assure you that you will achieve for one day!

"A journey of a thousand miles begins with a simple step"

- Lao-tzu

Writer's place



The writer's blessing:
@amooosbooks:
May you write 1,500 words with ease.
May your characters be lively and not cardboard. May you need little editing.
May your muse visit you as soon as you sit. May the Internet not distract you too much. May your phone lie dormant while you write.

You know you're a writer when...
you narrate the day's events in your head, describing yourself in third person.

KEEP WRITING

"When you consider things like the stars, our affairs don't seem to matter very much, do they?"

IF THERE'S A BOOK YOU REALLY WANT TO READ BUT IT HASN'T BEEN WRITTEN YET, THEN YOU MUST WRITE IT
-TOM MORRISON

WRITER IN RESIDENCE
PLEASE DO NOT DISTURB

writ·er /'raitər/
-noun
1. a peculiar organism capable of transforming caffeine into books.

THE TRUE WOMAN

-By Swarnajothi Sureshkumar,
12- 'C'

Grit
power



The sparkly girl with the reviving laughter, the independent working woman,

We all are judged each second even before we show what we are of.

We are not present to be the subdued, or dominated by our counterparts.

We are made of grit and by the strength of our backs achieving dizzying heights of success.

We joined the military to fight for what we believe,

To defend ourselves from foes, seen and unseen.

For ours is the greatest nation from the farmlands to the metropolitan cities, We will Never give up
freedom's fight.

Call of Duty arrives, we give up our normal lives, for duties mundane and glory, for honour and
passions.

The uniform does not necessarily make a soldier, but our heart and strength that make us bolder.

Bold enough to cover your back and pick up all the slack

Yet our hearts are at home seeking love from our family summer, that all that we need.

They do ask, day After day,

"Why do you go away?

What makes you leave us?



The loved one come, the dear mother near the door with a trembling hand clutches and implores
again, with a choking voice.

It is not for fame or Glory or riches that we go for each of you

For all that have a daughter,

For all that have a son,

Or a special loved one.

To preserve and protect them,

Against the worst.

We go because you cannot go

And hold them when in fear

And soothe the troubled brow

As they cry for their home so dear

So when you see us pack our bags video

And leave for lands so far away,

It is not the hardness of the heart

Or a daughter's conscience gone astray

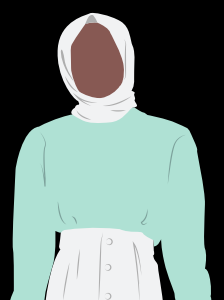
It's for the love of country and freedom,

The higher calling of duty, honour and the determination

But most of all we go to save lives, precious, meaningful lives



For
all
women
kind



FIND ME WHO ?

-By S.Shreya,

12- 'C'



1. Where can you find rivers with no water, cities with no buildings ?

2. What can be measured but can't see?

3. I have 13 hearts but never alive?

4. Found in water but not wet ?

5. The more you take, the more you leave behind. What are they?

6. I use my ear to speak and my mouth to hear. What am I?

7. What can you hold without ever touching or using your hands?

8. What 4-letter word can be written forward, backward or upside down, and can still be read from left to right?

9. You will buy me to eat but never eat me. What am I?

10. What goes up and down but never moves ?



ANSWERS : (1.) Map, (2.) Time,
(3.) A pack of playing cards,
(4.) Reflection,
(5.) Footprints, (6.) Phone,
(7.) Your breath, (8.) NOON,
(9.) A plate, (10.) Temperature

TO MY FRIEND...

-By T.Nandikha,
12- 'A'



You are my best friend; you belong in my heart.
We go through ups and downs, but still nothing can tear us apart.

I know you as a sibling, and I will always care.

I know you as a person; I especially know you as a friend.

Our friendship is something that will never end.

Love, respect, and trust are the things we share.

Right now, this second, My friendship with you is special and true.

When we are together, we stick like glue.

When I'm in the darkness that needs some light,

When you're by my side, I know things are all right.

Our friendship is so strong; it breaks down bars.

Our friendship is also bright, like the sun and the stars.

If we were in a competition for friendships, we would get a gold, Because
responsibility and cleverness are the keys that we hold.

I met you as a stranger, took you as a friend.

I hope our long friendship will never end.

Our friendship is like a magnet; it pulls us together,

Because no matter where we are, our friendship will last forever!



friends





TECH
ARENA

THE GROWTH OF VIRTUAL REALITY

VIRTUAL REALITY

Virtual Reality (VR) is the use of computer technology to create a simulated or imaginary environment which feels real to the consumer. VR uses artificial intelligence and stimulates many senses as possible, such as vision, hearing, touch, etc. Instead of viewing a screen in front of them, users are immersed and they are able to interact with 3D world. The cyberspace leaves the players to walk around the world and do things that they desire. The computer is transformed into a gatekeeper to this artificial world. **Head-mounted display (HMD)** is the latest VR console which is now revolving around the market in a fascinating way!

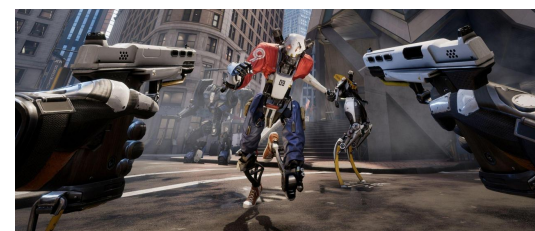
The only limits to near-real VR experiences are the availability of content and cheap computing power.

SCOPE IN VIRTUAL REALITY

Game developers began to create theory, which makes the people more interactive in VR.

VR has scope in the following,

- Military - for training the soldiers
- Entertainment - gaming and special effects
- Business - increase in gaming concepts
- Journalism - to make news without visiting site
- Sports - training sports players
- cops - investigating crime scene
and many more!

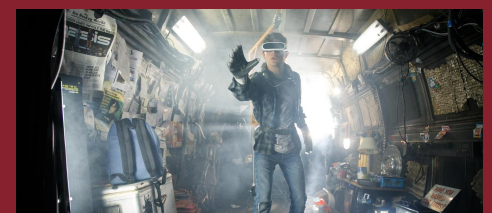


CAREER IN VR GAMING

People have started streaming games played using VR in various platforms like YouTube, twitch, mixer, etc and the fans for watching their streams are increasing day by day. Gaming market is rising after the invention of VR and seems like VR is the future of gaming. So the career in VR gaming will be the trend of the upcoming years!

Movie corner:

The movie "Ready Player One" depicts a VR experience that is so seamlessly immersive, there are no physical barriers between the user and the virtual objects and environment.





Some of the most exciting discoveries and inventions became launching pads for a new era of innovation in computers, electronics, manufacturing, and medicine. URBAN HUB takes a look at the technological advances that are so revolutionary they will continue to shape our lives well into the future.

ELECTRICITY:

HARNESSING THE POWER OF NATURE FOR TECHNOLOGY ADVANCEMENT.

Electricity Generating Technologies:
Where does our electricity come from?
Generating electricity is a miracle of modern technology. Acting more or less like a force field, electric current is comprised of minuscule protons and electrons that become charged when induced by friction or chemical changes.



THE LASER:

LASERS TRANSFORM OUR LIVES ON EVERY WAVELENGTH.

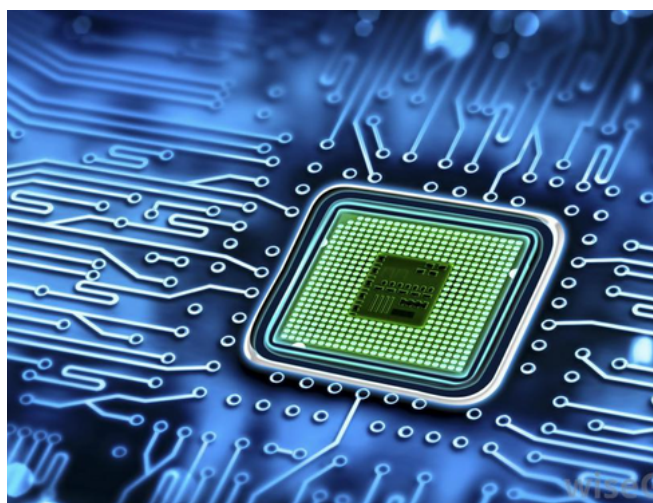


Laser, which is an acronym for “light amplification by stimulated emission of radiation ” is a technology commonly used in our everyday lives. Some of the latest advances include the all-silicon laser, a holmium doped laser on a silicon photonics platform and a flying microlaser .

THE SEMICONDUCTOR:

SEMICONDUCTOR CHIP: A TECHNOLOGY WONDER IN THE PALM OF A HAND.

Many major technical advances became the springboard for countless other new innovations. The good example is semiconductor chip. The electric circuit with many components such as transistors and wiring opened the door to the evolution of the laptop, followed by the smartphone and tablet.



THE AUTOMOBILE:

TESLA AUTOPILOT: THE NEXT GENERATION IN CARS.

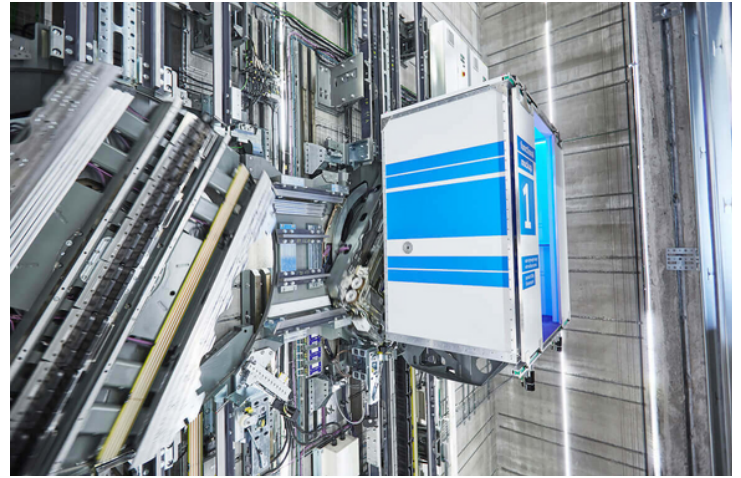


Tesla Autopilot is a suite of advanced driver-assistance system features offered by Tesla that has lane centering, traffic-aware cruise control, self-parking, automatic lane changes, semi-autonomous navigation on limited access freeways, and the ability to summon the car from a garage or parking spot.

THE ELEVATOR:

AN INNOVATION DESIGNED TO INSPIRE RADICAL NEW BUILDING DESIGN.

It's not exactly quantum mechanics, but today's cities would be unimaginable without the elevator. The elevator unleashed a new wave of architecture at the age of the skyscraper. A new invention, the MULTI, the first elevator designed to move horizontally as well as vertically, is similarly poised to open new paths to urban planning and building design.



THE HUMAN GENOME PROJECT:

MAPPING THE DNA AND PATHS TO NEW MEDICINE.

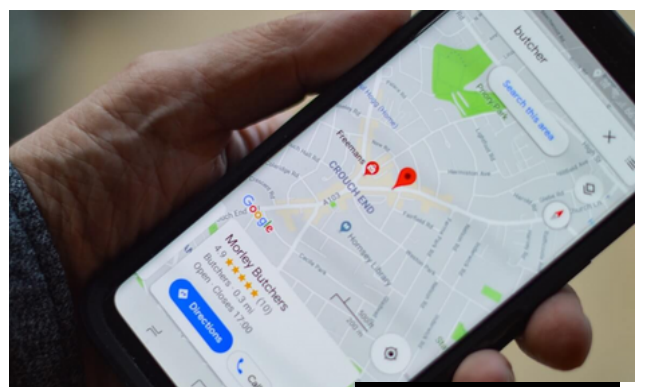


No other modern advancement in science has transformed medicine so radically as the Human Genome Project. Completed in 2003, the HGP mapped every gene in the human genome. It opened the door to medical studies on genes associated with diseases and led to a flourishing of biotech companies seeking to find new applications in healthcare.

THE GLOBAL POSITIONING SYSTEM:

While cars accelerate our day-to-day life, getting from A to B can still be a challenge, especially in a new place. First invented in 1973, Global Positioning System (GPS) technology came to the market in 1995. Using satellites, it pinpoints a location and helps you navigate. More recently, it has been the cornerstone of a host of smart city and urban mobility apps.

HELPING US NAVIGATE LIFE BETTER.



THE SMARTPHONE:

WHO CAN IMAGINE LIFE WITHOUT IT?



We hate to admit it, but the smartphone has become ubiquitous and absolutely necessary for modern living. One reason why it is so special is that it can be linked up to, and harnessed by, so many other technical advancements, from GPS to mobile banking and fitness apps. When Apple launched its first smartphone in 2007, there was simply no going back.

THE NEXT BIG THING



Technology advancements have always proven to be exciting because they are never stand-alone. They give rise to new inspirations and the next innovation, often launching a new era, whether in medicine, communications, or mobility.



*What
have we*

DONE?

// NISMA FATHIMA.I //

Earth is 4.5 billions old and mankind is about 140,000 years old. If we put that in perspective, we condense the Earth's life span into 24 hours that's one full day and we have been here on this planet for three seconds! Just three seconds and look what we have done?

OUR MOTHER NATURE

Some call her nature, others call her mother nature. When she falter, we falter or worse. She doesn't really need people, but people need her. If we can't take care of her, nor will she take care of us. She will go on. She is prepared to evolve, but are we?

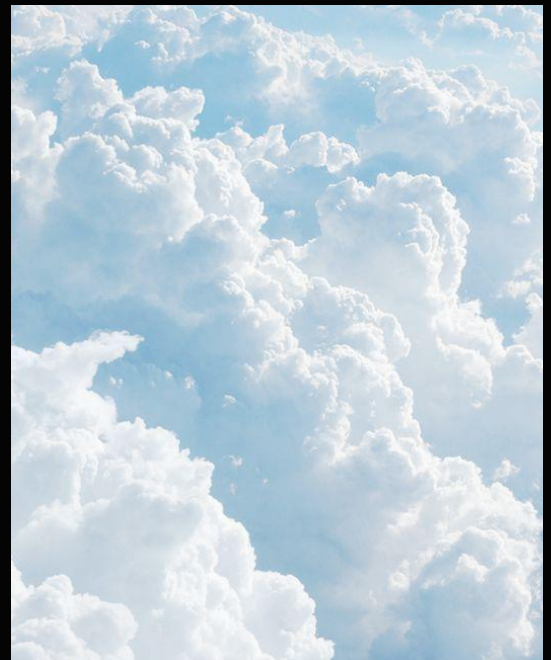


OUR RAIN FORESTS

It is the same rain forest that used to grow up there, they've left because of us! Yes! We cleared trees so that we can build factories. We humans are so smart, aren't we? We know how to make amazing things! Now why we need an old forest anymore? Well we do breath air and these forests make air. Have we thought of that? Watching humans making air, will be fun to watch!

OUR BEAUTIFUL SKY

Look up, there it is! It is the sky. It is the breath we take in. Yet we are making it sick. It is congested of pollution. Our cars, our factories have pushed it past the limit. And we wonder why it's typhoons and tornadoes are more intense and more frequent? It has become unpredictable, it can't even control itself anymore! But in the end, it will be fine. If we give a few thousand years it will heal, as it already has weathered trauma before. But what about us?





OUR PRECIOUS OCEANS

See that beautiful thing? It is water. To humans it is simply just there. It is something we just take for granted. One way or the another every living thing here needs it. It is the source from which we crawled out off. Where will we find it when there are billions more of us around? Where will we find ourselves? Will we wage wars over water? Just like we do over everything else?

Yes in just three seconds! Species that have been longer than us will be gone because of us! We must recognize before its too late because the real crisis is not global warming or environmental destruction it is us! But it is up to each one of you reading this to make the effort because time is of the essence and only together can we make it to the fourth second!



"Nature doesn't need people - people need nature; nature would survive the extinction of the human being and go on just fine, but human culture, human beings, cannot survive without nature."

#together_let's_make_a_better_tomorrow!

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Karaikudi & Chennai



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