



**MR GOUTAM SARKAR**  
**PRINCIPAL**  
**ADITYA BIRLA VANI BHARATI**

## “IMPROVISE, ADAPT AND OVERCOME... BECAUSE SMOOTH SEAS DO NOT MAKE SKILLFUL SAILORS”

WHEN THE BULLETIN WAS ALREADY ABOUT DISASTERS AND MISERIES AS IT HAD BEEN, MEANWHILE THE ERUPTION OF CORONAVIRUS HAS TAKEN OVER, IT IS TOUGH FOR EVEN THE MOST OPTIMISTIC AMONG US TO STAY POSITIVE. IT'S FACTUAL THAT WE NEED TO TAKE THIS VIRUS SERIOUSLY. IT'S CAPABLE OF CAUSING SEVERE ILLNESS, DEATH, AND DRASTIC CONTINUING EFFECT ON OUR SOCIETY IN ALL POSSIBLE MEANS. THIS COULD EVEN CRIPPLE THE ECONOMY. HENCE, IT IS REALLY EASY TO STAY SUBMERGED IN THESE TRAGIC SITUATIONS, THEY SEEM TO BE THE ONLY TOPICS COVERED BY OUR LOCAL AND NATIONAL MEDIA.

BUT THOSE VIEWS COULD BE COUNTERPRODUCTIVE. THERE ARE ARTICLES WE NEED TO BE AWARE OF, REGARDING THE CORONAVIRUS OUTBURST, TO PROTECT OURSELVES AND OTHERS, BUT WE DO NOT NEED TO BECOME A COVID-19 SPECIALIST, NOR DO WE NEED TO HEAR ABOUT EVERY DISAGREEABLE DETAIL FROM DAWN UNTIL BEDTIME. WE NEED TO FOCUS ON THE CONSTRUCTIVE THINGS TO GAIN THE ENERGY AND RESOURCE NEEDED TO WITHER THIS STORM. FEW PEARLS OF BEING POSITIVE:

**\*POSITIVE ISOLATION.** SELECT ONE NEWS SOURCE AND DECIDE HOW MUCH REGULATED TIME YOU'LL SPEND WITH IT EACH DAY. THEN SWITCH TO YOUR DAILY PLAN. JOYFULNESS IS THE REFLECTION OF YOUR THOUGHT PROCESS AND A JOYFUL HEART CAN NEVER BE NEGATIVE.

**\*STRENGTHEN YOUR HOPE.** A MIND THAT IS HARD-PRESSED BY A NEW KNOW-HOW CAN NEVER GO BACK TO ITS OLD SCOPES. JUST LIKE A CATERPILLAR TURNING INTO A BUTTERFLY, DIFFICULTY IS NECESSARY TO BUILD CHARACTER IN PEOPLE. REMIND YOURSELF OF YOUR SPIRIT ON A DAILY BASIS.

**\*WHISPER ENCOURAGEMENT:**

“WHAT LIES BEHIND US AND WHAT LIES AHEAD OF US ARE TINY MATTERS COMPARED TO WHAT LIES WITHIN US” BY RALP WALDO EMERSON, IS MY FAVORITE QUOTE THAT I TRY TO LIVE BY NOW A DAYS. THINK OF THOSE WHO COULD BENEFIT FROM YOUR CAREFULNESS AND GENEROSITY.

· **LITTLE GOALS ACHIEVED.** WE NEED TO END OUR DAY, EACH AND EVERY DAY, WITH AN OPTIMISTIC ACKNOWLEDGEMENT OF SOMETHING WE ACCOMPLISHED, ABSORBED OR ARE GRATEFUL FOR. THIS WILL HELP US TO DILUTE SOME OF THE NEGATIVITY WE'VE ABSORBED AND REMIND US THAT NOT ALL THAT'S HAPPENING RIGHT NOW IS EVIL OR DISAPPOINTING.

· **SURROUNDING OURSELVES WITH POSITIVE MINDS.** IT IS REALLY CRUCIAL THAT WE KEEP PEOPLE WITH PROGRESSIVE IDEAS AROUND US, ITS VERY MUCH REQUIRED DURING THESE DIFFICULT TIMES. THIS REMINDS ME OF DR. SHYAMLAL GANGULY, OUR CEO WHO KEEPS POINTING OUT THE PRIVILEGE OF LAMENTATIONS THAT WE HAVE. I UNDERSTOOD FROM HIM HOW REAL PROGRESS CAN BE DONE BY INITIATING THE GOOD WORK INSTEAD OF CRYING OVER WHAT IS LOST, FOR NOT EVERYONE GETS THE LUXURY TO DO SO WHEN REALITY HITS HARD.

DURING THIS TIME OF CONSTANT UNDESIRABLE MESSAGES CIRCULATING, WE NEED A SOLUTION SO THAT WE CAN KEEP OUR POSITIVE ATTITUDE INTACT AND MARCH FORWARD WITH DETERMINATION AND HOPE. WE NEED TO BE DELIBERATE IN ACTIVITIES THAT ARE HEARTWARMING, POSITIVE, STRESSDIPPING AND LAUGHTER BRINGING. JOINTLY, WE'LL DEFINITELY GET THROUGH THIS, EVEN A SINGLE CANDLE CAN BOTH DEFY AND CURB THE DARKNESS. I'D LIKE TO END IT BY REMINDING ALL, OF THE WORDS OF PROFESSOR DUMBLEDORE, “HAPPINESS CAN BE FOUND IN THE DARKEST OF TIMES, IF ONE ONLY REMEMBERS TO TURN ON THE LIGHT.”

# COVID - 19

■ WE SHALL OVERCOME

ADITYA BIRLA VANI BHARATI INTRODUCES IT'S FIRST EVER E- MAGAZINE, THAT WILL PROVIDE IT'S READERSHIP VARIOUS INFORMATION ON THE '2020 PANDEMIC' OR COVID-19 COMMONLY KNOWN AS CORONA. THE MAGAZINE PRESENTS SEVERAL EFFECTS THAT COVID-19 HAS CAST UPON LIFE ON PLANET EARTH.

**OBJECTIVES OF E-MAGAZINE:-**

THE DEPARTMENT OF LITERATURE PRESENTS, THE LIVED EXPERIENCES OF PEOPLE, THE EFFECT OF CORONA ON MENTAL HEALTH, OF SUFFERINGS OF THE UNDERPRIVILEGED, THROUGH HEARTFELT WORDS, WEAVING A COMFORTING SHROUD OF EMOTIONS.

· **INFORMING THE READERS HOW THIS VIRUS ORIGINATED FROM WUHAN, CHINA, SPREADING ALL OVER THE WORLD ATTACKING EVEN POWERFUL FIRST WORLD COUNTRIES LIKE USA, GERMANY AND RUSSIA.** THE PHYSICS DEPARTMENT HAS CARRIED OUT DETAILED RESEARCHES TO MENTION THE PROBABLE CAUSES OF SPREADING OF THIS DEADLY DISEASE.

BIOLOGY DEPARTMENT RESEARCHED ON COVID-19 EXPLAINING ITS FUNCTION INSIDE THE HUMAN BODY, AFFECTING THE RESPIRATORY AND NERVOUS SYSTEM. THEY HAVE ALSO MENTIONED DETAILS OF THE POSSIBLE VACCINES INCLUDING THE PLASMA THERAPY AND THE APPLICATION OF THE TTT MODEL THAT IS BEING FOLLOWED BY SOUTH KOREA TO ERADICATE THIS VIRUS.

· **THE DEPARTMENT OF MATHEMATICS HAS PREPARED VARIOUS STATISTICAL DATA ILLUSTRATIONS SHOWING THE INCREASING RATE OF HUMAN TRANSMISSION LEADING TO COMMUNITY SPREAD.**

· **THE HISTORY DEPARTMENT THREW LIGHT UPON THE PAST PANDEMIC DISEASES, THE MASSACRES CAUSED BY THEM, FOLLOWED BY ITS EFFECTS ON THE HUMAN RACE.**

THE ECONOMICS DEPARTMENT HAS SHOWN THE EFFECTS OF THIS PANDEMIC ON THE GLOBAL ECONOMY BRINGING IN A GREAT ERA OF DEPRESSION SINCE THE 1930'S.

COVID-19 HAS TAUGHT US THAT WE, AS INDIVIDUALS CANNOT FIGHT THIS FATAL VIRUS ALONE. WE MUST STAND TOGETHER AS ONE INSTEAD OF AN INDIVIDUAL. THE PANDEMIC HAS TAUGHT THE HUMAN KIND A BIT OF HUMANITY, THAT PERHAPS WE WERE LOSING. BECOMING THE ONE AND UNDIVIDED, WE SHOULD SALUTE THE ONES WHO ARE FIGHTING IN THE FRONT LINES FOR US, NAMELY THE MEDICAL TEAMS, POLICE, MEDIA AND GOVERNMENT WHO ARE WORKING RELENTLESSLY TO PROVIDE US SAFETY. OUR TEACHERS TOO, ARE WORKING TIRELESSLY TO CREATE THE DIGITAL ACADEMIC SPACE TO KEEP THE FLOW OF KNOWLEDGE UNHINDERED. WE MUST ALWAYS REMEMBER TO THANK THE ONES WHO ARE WORKING FROM THE LESS MENTIONED FIELDS LIKE, THE HOMEMAKERS, DAILY SERVICE-MEN, DELIVERY TEAMS, SHOPKEEPERS, WITHOUT WHOM LIFE WOULD NOT BE SMOOTH THROUGH THIS LOCKDOWN PERIOD. THE LOCKDOWN METHOD HAS PUT A PAUSE TO THE SPREAD OF COVID-19, ALSO HELPING THE EARTH TO HEAL ITSELF CAUSING A STEEP DECLINE OF POLLUTION LEVELS REDUCING GLOBAL WARMING. THE DIRECTED PRE-CAUTIONS HAVE TO BE ENGRAVED IN OUR FUTURE LIFESTYLE TO COMPLETELY WIPE OUT THIS VIRUS.

THE ENTIRE TEAM OF ADITYA BIRLA VANI BHARATI, LED BY OUR RESPECTED PRINCIPAL, MR. GAUTAM SARKAR HAS CREATED THIS E-MAGAZINE TO PROVIDE A SOCIO-ECONOMIC SCENARIO TO ITS READERSHIP, WHICH WILL HELP THEM COMBAT THIS VIRUS WITH THE HOPE OF A BETTER WORLD.

**ADITYA BIRLA VANI BHARATI**

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## THE INVISIBLE REIGN OF TERROR

FRANCE WAS TREMBLING UNDER THE TERROISED REIGN OF MAXMILIEN ROBESPIERRE...

INDIA TODAY IS ALSO UNDER THE TERROR OF AN INVISIBLE ADVANCING ENEMY "THE CORONA VIRUS OR COVID 19." WITH THOUSANDS AFFECTED AND HUNDREDS KILLED. WE ALL ARE APPREHENSIVE. TOMORROW WE CAN BE CAUGHT BY THIS INVISIBLE DEMON..

AT THIS JUNCTURE BEING STUDENTS OF HISTORY A BRIEF SURVEY OF THE EPIDEMICS IN INDIA N BENGAL MAY BRING A RAY OF HOPE.. YES "WE SHALL OVERCOME".

INDIA WITNESSED MANY EPIDEMICS..

IN 1915 STARTED LETHARGIC ENCEPHALITIS.IT WAS AN EPIDEMIC AND SPREAD AROUND THE WORLD.IT WAS SPORADIC IN INDIA

1918--20---THE INDIAN SOLDIERS ALONG WITH PAIN AGONY BECAME CARRIERS OF SPANISH FLU.THE FLU ORIGINATED IN ENGLAND BUT THE FACT WAS SUPPRESSED AND SINCE ITS MANIFESTATION SEEN IN SPAIN ,IT GOT ITS NAME AFTER IT.

1961--1975----SINCE 1817 VIBRIO CHOLERAEE CAUSED CHOLERA PANDEMIC GLOBALLY.THE POOR WATER,SANITIZATION PRACTICES IN KOLKATA MADE OUR CITY EPICENTRE OF CHOLERA PANDEMIC

1974----THE SMALL POX EPIDEMIC.. INDIA CONTRIBUTED 60%OF THE SMALL POX CASES GLOBALLY.SIMILAR ALARMING SITUATION AROSE AS TODAY.THE HELP OF WHO, SOVIET UNION,AND NATIONAL SMALL POX ERADICATION PROGRAM ULTIMATELY ERADICATED THE DISEASE IN 1977.

1994---,THE PNEUMONIC PLAGUE PLAYED HAVOC IN OUR COUNTRY.MASS MIGRATION FROM SURAT ---THE EPICENTRE CAUSED THE DISEASE TO SPREAD ALL OVER INDIA.

2002---2009 SARS A TRANSMISSIBLE DISEASE LIKE COVID 19AFFECTED INDIA

2006 WITNESSED THE OUT BREAK OF DENGUE.,THE MOSQUITO BORNE DISEASES THAT SHOOK INDIA.HIGHEST CASES WERE RECORDED IN DELHI

2014-18 WITNESSED DEADLY SWINE FLU AND NIPAH VIRUS

BENGAL WAS NEVER FORTUNATE HER HISTORY IS THE ONE WITH TRAGIC INCIDENTS SINCE 1770

### CHIYATTORER MONNONTOR

JOHN FISKE IN HIS BOOK "THE UNSEEN WORLD"WROTE THE FAMINE WAS DEADLIER THAN BLACK PLAGUE THAT TERRORISED EUROPE IN THE 14TH CENTURY.

THE FAMINE HIT LOWER GANGETIC PLAIN OF INDIA.

THE BENGAL FAMINE OF1943-44 WAS A MAJOR FAMINE DURING THE WORLD WAT II.ESTIMATED 2.1 MILLION DIED FROM STARVATION AND FAMINE TRIGGERED DISEASES N EPIDEMICS...

OUR HISTORY PROVIDES US STRENGTH..WE BENGAL ES ARE STILL CARRYING THE MEMORIES OF EPIDEMICS CAUSED BY MALARIA,PLAGUE,SMALL POX,BURDWAN FEVER

THE COLONIAL GOVERNMENT FROM 1860---1947 DEMONSTRATED POLICIES OF POOR PUBLIC HEALTH N SANITATION

THE UNHYGIENIC USAGE OF WATER FROM SAME POND RESULTED IN OUTBREAKS OF CHOLERA.ALSO CONSTRUCTION OF EMBANKMENTS FOR RAILWAYS LED TO STAGNATION OF RAIN WATER AND BREEDING OF MOSQUITOES.CROWDING OF COOLIE QUARTERS ,THE SHOE-STRING BUDGET OF COLONIAL GOVERNMENT WERE THE CAUSES OF THE EPIDEMICS

MAKING OUR MEMORIES ALIVE WE ARE AT PRESENT SHIVERING UNDER THE APPROACHING DEADLY CLAWS OF THE CORONAVIRUS.BUT WE, THE ENTIRE TEAM OF ADITYA BIRLA VANI BHARATI DO NOT BELIEVE IN BECOMING HISTORY...OUR MOTTO IS CREATING HISTORY EVERY MOMENT AND OUR ENDEAVOUR TO FIGHT THE DIFFICULT SITUATION WILL HELP US TO WRITE OUR HISTORY DIFFERENTLY..



MRS SUBHA SENGUPTA & MRS SUCHISMITA DEO  
[ASSISTANT TEACHER, HISTORY]

## “ ” LIGHTS WILL GUIDE YOU HOME

I WAKE UP FORGETTING WHAT DAY IT IS, I WATER MY PLANTS, FEED MY LITTLE BIRDS, CLEAN THE PORCH, TIE MY HAIR UP IN A NEAT BUN AND THINK. I MAKE SOME COFFEE, SOMETIMES LEMON TEA, OFTEN I FORGET TO PUT THE SUGAR AND THINK. I THINK A LOT THESE DAYS, ME AND MY THOUGHTS LOCKED UP IN THE MOONLIT BALCONY OR THE NOOK OF MY WINDOW. I REMEMBER THE TIMES WE INCHED CLOSER TO ONE ANOTHER FOR SPILLING MUSIC AND MELODIES IN THE SPACES BETWEEN FRIENDS AND LOVERS, SHARING EARPHONES IN THE LOCAL TRAINS OR SITTING ARM-CROSSED TO ENGULF THE SETTING SUN BY THE GANGES WITH ANOTHER HUNDRED STRANGERS TRYING TO BREATHE IN THE BEAUTY OF THE DUSKY SKY.

MY HEART ACHES FOR THE TIME LOST, THAT FRIEND WHO I COULD HAVE HUGGED TIGHTER, WHO IS NOW STUCK A THOUSAND MILES APART, THAT STRANGER I FOUGHT WITH ABOUT A SEAT IN THE METRO, I SUDDENLY REMEMBER ABOUT THE TIME I WASTED ATTENDING PHONE CALLS ON A SECLUDED BEACH. IF ANYTHING, THIS TIME HAS TAUGHT US HOW THE ONLY THING WE CAN TRULY CONTROL IS HOW FAR WE ARE WILLING TO SURRENDER, HOW DESPERATE WE ARE TO LIVE ANOTHER DAY, LIKE A FLASHLIGHT ON THE DEPTHS OF OUR GUTS, THIS PANDEMIC HAS BROUGHT OUT OUR LATENT FEARS. ERRATIC EERIE ENGINES IN MY RIBCAGE I'M FRETTEING ABOUT THE TIMES WHEN WE WILL NOT BE RESTLESS, WHEN THIS WILL BE OVER AND WE WILL HOLD EACH OTHER AGAIN.. FOR A LONG TIME.

I SIFT THROUGH I PASSED THE TIME SEARCHING FOR POSITIVITY IN YOUTUBE RECIPIES OR THE CLOUDS IN THE SKY, BECAUSE POSITIVITY BLOSSOMS LIKE A KURINGI IN OUR RESTLESSNESS ,

MAYBE WE NEEDED THIS TO REARRANGE OUR WARDROBE AND OUR THOUGHTS, TO SIP COFFEE IN SILENCE AND READ THE BOOKS COVERING DUST ON OUR BOOK-SHELF. WE NEEDED THIS TO BREATHE IN AND OUT AND PUT A BREAK ON ALL THE COMMOTIONS OF OUR MUNDANE LIFE, TO CALL THAT LONG LOST FRIEND WE JUST NEVER HAD THE TIME TO CHECK UP ON OR JUST LIE ON BED LISTENING TO THE HUMMING BIRDS' SONGS. WE NEEDED THIS TO PLAN FOR THE TOMORROW WHICH WILL COME ONE DAY AND TO INTROSPECT AND CORRECT ALL THE WRONGS WE HAVE MADE. THIS WILL HELP US ACCEPT THAT NORMALCY IS A MYTH AND EVERYTHING WE BELIEVED IN IS FLEETING, TRANSIENT AND TEMPORARY. WE NEED TO REMEMBER THESE TIMES, TO NOT TAKE FOR GRANTED THE LITTLE JOYS OF LIFE, NOT TO FORGET TO LET THE WORLD BREATHE AND IT'S THE WORKERS WHO KEEP THE WORLD RUNNING, NOT THE CAPITALIST BIGSHOTS. WE WILL REMEMBER WHEN ALL THIS ENDS, THAT TO BE FREE IS TO BE ALIVE AND WE WILL FIGHT FOR THAT, TO LIVE AND NOT JUST BREATHE AND MAKE EVERY BREATHE COUNT.



MRS. MANDIRA ADHIKARI  
[ASSISTANT TEACHER, BENGALI]

## LOCKDOWN LEARNING

E-LEARNING IS "THE USE OF INTERNET AND DIGITAL TECHNOLOGY TO CREATE EXPERIENCES THAT EDUCATE FELLOW HUMAN BEINGS"- A TERM THAT WAS NOT WELL KNOWN UNTIL A FEW YEARS AGO BUT NOW THE TERM IS COMMON IN UNIVERSITY COMMUNITY. AS A NETWORK TECHNOLOGY IT FACILITATES AND DELIVERS LEARNING, ANYTIME AND ANYWHERE IN DISTANT MODE AS A VIRTUAL CLASSROOM.

THE CORONAVIRUS PANDEMIC HAS UPENDED OUR WORLD. THE ACADEMIC CALENDAR ALL OVER THE WORLD HAS BEEN DISTURBED. CAUGHT IN THE MAELSTROM, SOME PARTS OF THE URBAN INDIAN EDUCATION SYSTEM, EVEN IN SCHOOLS HAS TURNED TOWARDS DELIVERY OF EDUCATION ONLINETO HELP STUDENTS TO DEAL WITH THIS UNPRECEDENTED CHALLENGE OF COVID-19 AND ENSURE THAT LEARNING CONTINUES AND THUS DEVELOP CREATIVE SOLUTIONS TO COMPENSATE THE LACK OF RESOURCES.

MY EXPERIENCE WITH YOUR METHOD OF TEACHING IS QUIET INNOVATIVE, AND SIMPLIFIED AND ADAPTABLE.

- ABHRA PAUL CHOUDHURY & URNAYU PAUL CHOWDHURY  
LOWER KG SECTION B





## THE CORONA PANDEMIC UPHEAVAL-

### TAKEAWAYS FROM A SCHOOL TEACHER'S PERSPECTIVE

AS PER THE UNESCO INSTITUTE FOR STATISTICS' DATA, PUBLISHED ON 25TH APRIL, A TOTAL NUMBER OF 1,578,657,884 LEARNERS ENROLLED AT PRE-PRIMARY, PRIMARY, LOWER-SECONDARY, AND UPPER-SECONDARY LEVELS OF EDUCATION, AS WELL AS AT TERTIARY EDUCATION LEVELS, ACROSS 191 COUNTRIES HAVE BEEN AFFECTED BY CLOSURE OF SCHOOLS DUE TO THE OUTBREAK OF COVID 19 PANDEMIC.

THERE HAS BEEN A MAD RUSH ACROSS THE WORLD TO MIGRATE TO DIGITAL METHODOLOGY OF IMPARTING EDUCATION. ONLINE CLASSES ARE BEING HELD AND GOVERNMENTS OF MOST COUNTRIES HAVE MADE SEVERAL ARRANGEMENTS, INCLUDING ONLINE PORTALS AND EDUCATIONAL CHANNELS THROUGH DIRECT TO HOME TV, FOR STUDENTS TO CONTINUE LEARNING. TEACHERS AND EDUCATION SUPPORT-STAFF ARE TRYING TO DEVISE NEWER METHODS OF IMPARTING EDUCATION ONLINE, AND HAVE KEPT ON WORKING FROM THEIR HOMES THROUGH VIRTUAL AND DIGITAL PLATFORMS.

THIS IS AN EXPERIMENT IN THE PROCESS OF TEACHING-LEARNING, SOMETHING THAT WE ALL HAVE BEEN FORCED TO UNDERTAKE. BUT, AS IT IS SAID, REAL CHANGE TAKES PLACE IN DEEP CRISIS. WITH HUNDREDS OF MILLIONS OF CHILDREN TRYING TO LEARN EXCLUSIVELY ONLINE, THE EXPERIMENT WILL RESHAPE SCHOOLS, HOW WE SEE EDUCATION, AND CHANGE THE PERCEPTION OF LEARNING IN THE YEARS TO COME. COVID 19 HAS MANDATED THAT WE ALL WEAR MASKS, MAINTAIN SOCIAL DISTANCE, BUT IT IS ALSO FORCING BOTH EDUCATORS AND LEARNERS TO BE MORE RESPONSIVE, THINK CRITICALLY, DECIPHER ANSWERS WITHOUT HELP, AND BE CREATIVE AND COMMUNICATIVE.

THE EFFECTIVENESS OF DIGITAL EDUCATION IN A COUNTRY LIKE INDIA IS STILL UNTESTED, ESPECIALLY FOR SCHOOLCHILDREN. WITH DEEP ECONOMIC INEQUALITIES IN OUR SOCIETY, THE LIMITATIONS TO LEARNING THROUGH DIGITAL MEANS HAS GLARINGLY COME TO FORE. IT IS NOT JUST WHO HAS COMPUTERS AT HOME AND INTERNET CONNECTIONS, WHICH OBVIOUSLY ARE CRITICALLY IMPORTANT, BUT ALSO WHO HAS THE MENTAL MAKE-UP TO LARGELY SELF-LEARN AND MANAGE TIME. IF THE LEARNER IS NOT INSPIRED TO LEARN, HE WILL NOT BE VERY SUCCESSFUL IN THIS ENVIRONMENT. AND NOT EVERY PARENT HAS THE REQUISITE LEVEL OF DIGITAL LITERACY NECESSARY TO HELP THEIR CHILDREN SHIFT TO ONLINE LEARNING. THEY ALSO NEED TO HAVE THE TIME, INCLINATION AND THE NECESSARY EDUCATION TO HELP THEIR CHILD.

TO BE STARKLY REALISTIC, A HUGE NUMBER OF CHILDREN FROM IMPOVERISHED FAMILIES IN INDIA RELY ON SCHOOL FOR FOOD (IT IS THEIR ONLY PROPER MEAL FOR THE DAY) AND A SAFE ENVIRONMENT. WITH A COMPLETE LOCKDOWN IN EFFECT, THEIR PARENTS ARE BEREFT OF DAILY WAGE EARNING. THE ONLY PRIORITY FOR THESE CHILDREN AND THEIR PARENTS TODAY IS HOW TO MITIGATE HUNGER. THEY ARE COMPLETELY CUT-OFF FROM THE WORLD OF LEARNING. A TEENAGER FROM A PRIVILEGED BACKGROUND MAY NOW BE DELIBERATING ON UPGRADING HIS LAPTOP TO A MACBOOK, BUT THE DISADVANTAGED ONE IS WORRYING ABOUT THE LACK OF FINANCIAL SAFEGUARD TO CARRY HIS FAMILY THROUGH. THE IMPENDING RECESSION AND JOB LOSSES POST-CORONA, WILL BE STAGGERING, AND WILL HAVE DEVASTATING EFFECTS ON THE MARGINALIZED IN SOCIETY.

WHILE BEING CONSTANTLY COOPED AT HOME, YOUNG CHILDREN AND TEENS ARE LONGING FOR INTERACTIONS WITH FRIENDS THAT CAN'T BE REPLICATED ONLINE. SOCIAL DISTANCING MAY BE PARTICULARLY DIFFICULT FOR SOME CHILDREN AND TEENS. AS CHILDREN GET OLDER AND MORE SOCIALLY ADEPT, THEIR PEER GROUP BECOMES THE MORE IMPORTANT HUB OF THEIR SOCIAL DEVELOPMENT THAN THEIR IMMEDIATE FAMILY. ALSO YOUNGER CHILDREN MAY BE LONELY AND IN NEED OF SOME ADDITIONAL ATTENTION AND SUPPORT FROM PARENTS DURING THIS TIME. IN FACT, MANY PSYCHOLOGISTS ARE WORRIED HOW A LONGER PERIOD OF LOCKDOWN MIGHT AFFECT THE SOCIAL DEVELOPMENT OF YOUNG PEOPLE. CORONA CRISIS HAS DRIVEN US, THE TEACHERS AND THE SCHOOL AUTHORITY TO PLAY MULTIPLE ROLES. THESE ROLES TRANSCEND MERE EDUCATION AND FACILITATE SOCIALIZATION.

A SENSE OF TOGETHERNESS AND SHARED SPACE, CARE AND CONCERN FOR THE PHYSICAL AND EMOTIONAL WELL-BEING OF THE STUDENTS. THESE ARE THINGS TECHNOLOGY IS YET TO INVENT. HEREIN, I WOULD LIKE TO MENTION THE ROLE OF ADITYA BIRLA VANI BHARATI UNDER THE DYNAMIC LEADERSHIP OF OUR PRINCIPAL SIR. OUR FOCUS ON ON-LINE CLASSES IS NOT ONLY TO COMPLETE THE SYLLABUS BUT AN EFFORT TO OCCUPY EVERY STUDENT WITH FRUITFUL ACTIVITY. DANCE, MUSIC, ART & CRAFT CLASSES ARE ALSO BEING TAKEN CARE OF. CHILDREN NEED TO VENT THEIR FEELINGS DURING THIS CRUCIAL TIME AND WE ARE TRYING OUR BEST TO PROVIDE A HELPING HAND. OUR PERSONAL TOUCH IS ALWAYS THERE TO DIVERT THEIR ATTENTION FROM FRUSTRATION AND BOREDOM. A TRANSFORMATION HAS TAKEN PLACE IN THE LEARNING PROCESS OF THE STUDENTS. THEY ARE RESEARCHING INDEPENDENTLY AND ARE BECOMING MORE PARTICIPATIVE LEARNERS.

CORONA VIRUS HAS ALTERED OUR LIFE DRASTICALLY. IN DESPERATE ISOLATION WE ARE SEEKING CONSOLATION IN NATURE, FRIENDS AND FAMILY, HOBBIES AND OBSESSIONS, WHATSAPP AND FACEBOOK. AS PARENTS WE ARE GETTING AMPLE TIME TO SPEND WITH OUR CHILDREN. WHEN DID YOU LAST SPENT SO MUCH TIME WITH YOUR CHILD? YOUR BEDROOM IS YOUR CHILD'S CLASS ROOM. COVID-19 HAS GIVEN US AN OPPORTUNITY TO DIVE INTO THE DEPTH OF TIME, REFLECT AND INTROSPECT.

AS A TEACHER I MISS MY NOISY CLASS - PULSATING WITH LIFE, THE FACE TO FACE INTERACTION WITH MY STUDENTS, THE SPRAWLING GREEN CAMPUS, THE PLAYGROUNDS ECHOING LAUGHTER AND HAPPINESS AND THE REAL CLASSROOM TEACHING WITH CHALK AND DUSTER. AFTER ALL TEACHING IS A HUMAN ENDEAVOUR AND IT'S ALL ABOUT THE BLOSSOMING OF YOUNG MINDS AND COMPLETE DEVELOPMENT OF ONE'S PERSONALITY. I ONLY HOPE THAT THE DAYS OF CONFINEMENT WILL COME TO AN END AND WE WILL SOON MEET OUR STUDENTS IN A REAL CLASSROOM ENVIRONMENT.



**MRS. SANGHAMITRA CHAKRAVARTHY**  
[ASSISTANT TEACHER, ENGLISH]

## A SURVEY OF THE TERROR

THE 2019-20 CORONA VIRUS PANDEMIC IS AN ONGOING PANDEMIC OF CORONA VIRUS DISEASE 2019 CAUSED BY CORONAVIRUS 2 (SARS COV 2). THE OUTBREAK WAS IDENTIFIED IN WUHAN, CHINA IN DECEMBER, 2019. THE WORLD HEALTH ORGANISATION DECLARED THE OUTBREAK A PUBLIC HEALTH EMERGENCY OF INTERNATIONAL CONCERN ON 30TH JAN 2020 AND A PANDEMIC ON 11TH MARCH 2020. AS OF 28TH APRIL 2020 APPROX 31,13,891 CASES OF COVID-19 HAVE BEEN REPORTED IN 185 COUNTRIES AND TERRITORIES RESULTING IN ALMOST 211587 DEATHS. 945544 PEOPLE HAVE RECOVERED.

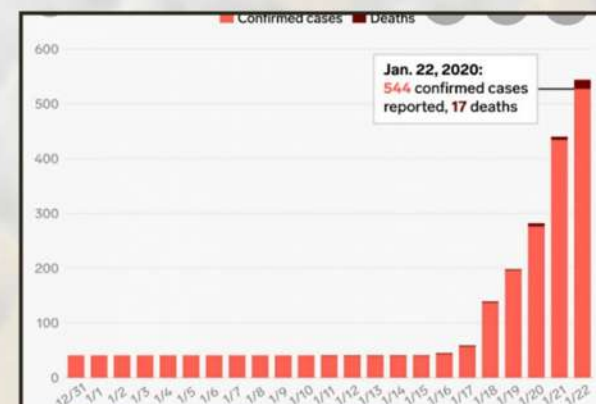
THE PANDEMIC CAUSED SEVERE GLOBAL SOCIO-ECONOMIC DISRUPTION. IT HAS LED TO POSTPONEMENT OR CANCELLATION OF SPORTS, RELIGIOUS, POLITICAL AND CULTURAL EVENTS. SCHOOLS, UNIVERSITIES AND COLLEGES HAVE CLOSED IN 194 COUNTRIES AFFECTING APPROXIMATELY 98.5 PERCENT OF THE WORLD'S STUDENT POPULATION.

### WUHAN- THE EPICENTRE:

THERE ARE VARIOUS THEORIES ABOUT WHERE THE VERY FIRST CASE (THE SO-CALLED PATIENT ZERO) MAY HAVE ORIGINATED. THE FIRST KNOWN CASE MAY TRACE BACK TO 1 DECEMBER 2019 IN WUHAN, HUBEI, CHINA. WITHIN A MONTH, THE NUMBER OF CORONAVIRUS CASES IN HUBEI GRADUALLY INCREASED.

ACCORDING TO OFFICIAL CHINESE SOURCES THESE WERE MOSTLY LINKED TO THE HUINAN SEAFOOD WHOLESALE MARKET, WHICH ALSO SOLD LIVE ANIMALS, AND ONE THEORY IS THAT THE VIRUS CAME FROM ONE OF THESE ANIMALS.

A PNEUMONIA CLUSTER OF UNKNOWN CAUSE WAS OBSERVED ON 26 DECEMBER AND TREATED BY THE DOCTOR ZHANG JIXIAN IN HUBEI PROVINCIAL HOSPITAL, WHO INFORMED THE WUHAN JIANGNAN CDC ON 27 DECEMBER, 2019. ON 30 DECEMBER, A GROUP OF DOCTORS AT WUHAN CENTRAL HOSPITAL ALERTED THEIR COLLEAGUES OF A "SARS-LIKE CORONAVIRUS". THE WUHAN MUNICIPAL HEALTH COMMISSION MADE THE FIRST PUBLIC ANNOUNCEMENT OF A PNEUMONIA OUTBREAK OF UNKNOWN CAUSE ON 31 DECEMBER, CONFIRMING 27 CASES—ENOUGH TO TRIGGER AN INVESTIGATION. DURING THE EARLY STAGES OF THE OUTBREAK, THE NUMBER OF CASES DOUBLED APPROXIMATELY EVERY SEVEN AND A HALF DAYS. IN EARLY AND MID-JANUARY 2020, THE VIRUS SPREAD TO OTHER CHINESE PROVINCES, HELPED BY THE CHINESE NEW YEAR MIGRATION AND WUHAN BEING A TRANSPORT HUB AND MAJOR RAIL INTERCHANGE. ON 20 JANUARY, CHINA REPORTED NEARLY 140 NEW CASES IN ONE DAY, INCLUDING TWO PEOPLE IN BEIJING AND ONE IN SHENZHEN. LATER OFFICIAL DATA SHOWS 6,174 PEOPLE HAD ALREADY DEVELOPED SYMPTOMS BY THEN, AND MORE MAY HAVE BEEN INFECTED. A REPORT IN THE LANCET ON 24 JANUARY INDICATED HUMAN TRANSMISSION, STRONGLY RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT FOR HEALTH WORKERS, AND SAID TESTING FOR THE VIRUS WAS ESSENTIAL DUE TO ITS "PANDEMIC POTENTIAL". ON 30 JANUARY, THE WHO DECLARED THAT THE CORONAVIRUS WAS A PUBLIC HEALTH EMERGENCY OF INTERNATIONAL CONCERN.



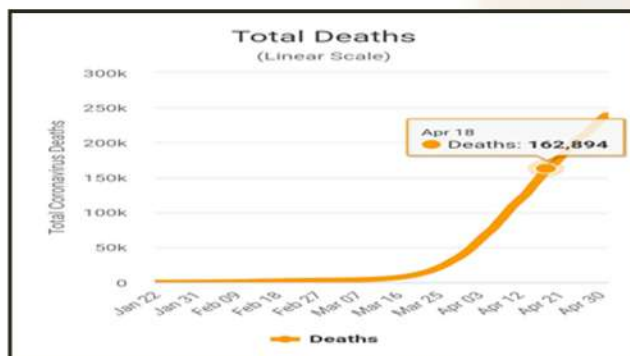
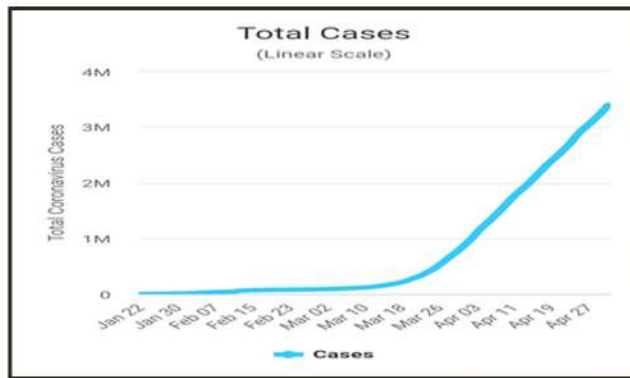
### THE GLOBAL SCENARIO:

AS OF 29 APRIL 2020, THE COUNTRIES THAT MADE PUBLIC THEIR TESTING DATA HAVE ON AVERAGE PERFORMED A NUMBER OF TESTS EQUAL TO ONLY 1.4 PER CENT OF THEIR POPULATION, WHILE NO COUNTRY HAS TESTED SAMPLES EQUAL TO MORE THAN 14 PER CENT OF ITS POPULATION. MANY COUNTRIES HAVE HAD OFFICIAL POLICIES TO NOT TEST THOSE WITH ONLY MILD SYMPTOMS. AN ANALYSIS OF THE EARLY PHASE OF THE OUTBREAK UP TO 23 JANUARY ESTIMATED 86 PER CENT OF COVID-19 INFECTIONS HAD NOT BEEN DETECTED, AND THAT THESE UNDOCUMENTED INFECTIONS WERE THE SOURCE FOR 79 PER CENT OF DOCUMENTED CASES. SEVERAL OTHER STUDIES, USING A VARIETY OF METHODS, HAVE ESTIMATED THAT NUMBERS OF INFECTIONS IN MANY COUNTRIES ARE LIKELY TO BE CONSIDERABLY GREATER THAN THE REPORTED CASES. ON 9 APRIL 2020, PRELIMINARY RESULTS FOUND THAT 15 PER CENT OF PEOPLE TESTED IN GANGET, THE CENTRE OF A MAJOR INFECTION CLUSTER IN GERMANY, TESTED POSITIVE FOR ANTIBODIES. SCREENING FOR COVID-19 IN PREGNANT WOMEN IN NEW YORK CITY, AND BLOOD DONORS IN THE NETHERLANDS, HAS ALSO FOUND A NUMBER OF POSITIVE TESTS THAT MAY INDICATE INFECTIONS MAY BE HIGHER THAN REPORTED. ANALYSIS BY AGE IN CHINA INDICATES THAT A RELATIVELY LOW PROPORTION OF CASES OCCUR IN INDIVIDUALS UNDER 20.





IT IS NOT CLEAR WHETHER THIS IS BECAUSE YOUNG PEOPLE ARE ACTUALLY LESS LIKELY TO BE INFECTED, OR LESS LIKELY TO DEVELOP SERIOUS SYMPTOMS AND SEEK MEDICAL ATTENTION AND BE TESTED. INITIAL ESTIMATES OF THE BASIC REPRODUCTION NUMBER (RO) FOR COVID-19 IN JANUARY WERE BETWEEN 1.4 AND 2.5, BUT A SUBSEQUENT ANALYSIS HAS CONCLUDED THAT IT MAY BE ABOUT 5.7.

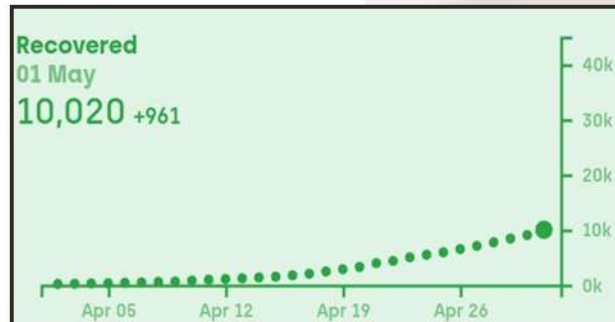


### COVID-19 IN INDIA

THE FIRST CASE OF THE 2019-20 CORONAVIRUS PANDEMIC IN INDIA WAS REPORTED ON 30 JANUARY 2020, ORIGINATING FROM CHINA. AS OF 2 MAY 2020, THE MINISTRY OF HEALTH AND FAMILY WELFARE HAVE CONFIRMED A TOTAL OF 37,336 CASES, 9,951 RECOVERIES (INCLUDING 1 MIGRATION) AND 1218 DEATHS IN THE COUNTRY. EXPERTS SUGGEST THE NUMBER OF INFECTIONS COULD BE MUCH HIGHER AS INDIA'S TESTING RATES ARE AMONG THE LOWEST IN THE WORLD. THE INFECTION RATE OF COVID-19 IN INDIA IS REPORTED TO BE 1.7, SIGNIFICANTLY LOWER THAN IN THE WORST AFFECTED COUNTRIES.

THE OUTBREAK HAS BEEN DECLARED AN EPIDEMIC IN MORE THAN A DOZEN STATES AND UNION TERRITORIES, WHERE PROVISIONS OF THE EPIDEMIC DISEASES ACT, 1897 HAVE BEEN INVOKED, AND EDUCATIONAL INSTITUTIONS AND MANY COMMERCIAL ESTABLISHMENTS HAVE BEEN SHUT DOWN. INDIA HAS SUSPENDED ALL TOURIST VISAS, AS A MAJORITY OF THE CONFIRMED CASES WERE LINKED TO OTHER COUNTRIES.

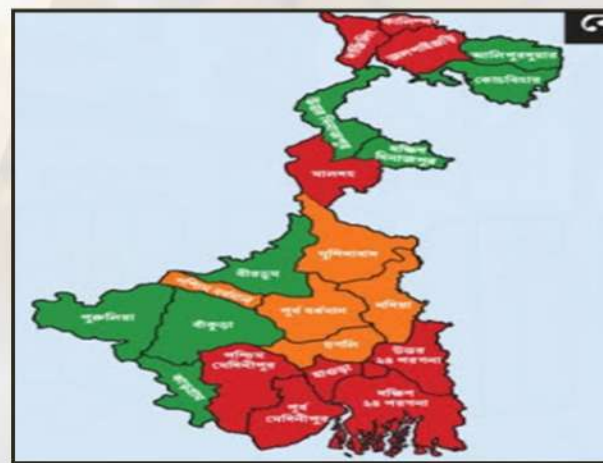
ON 22 MARCH 2020, INDIA OBSERVED A 14-HOUR VOLUNTARY PUBLIC CURFEW AT THE INSTANCE OF THE PRIME MINISTER NARENDRA MODI. THE GOVERNMENT FOLLOWED IT UP WITH LOCKDOWNS IN 75 DISTRICTS WHERE COVID CASES HAD OCCURRED AS WELL AS ALL MAJOR CITIES. FURTHER, ON 24 MARCH, THE PRIME MINISTER ORDERED A NATIONWIDE LOCKDOWN FOR 21 DAYS, AFFECTING THE ENTIRE 1.3 BILLION POPULATION OF INDIA. ON 14 APRIL, THE PRIME MINISTER EXTENDED THE ONGOING NATIONWIDE LOCKDOWN TILL 3 MAY.



GRAPHICAL REPRESENTATION OF CASES OF COVID-19 IN INDIA

### WEST BENGAL- THE DANGER ZONE:

THE 2019-20 COVID-19 PANDEMIC WAS FIRST CONFIRMED IN THE INDIAN STATE OF WEST BENGAL ON 18 MARCH 2020 IN KOLKATA. THE HEALTH AND FAMILY WELFARE DEPARTMENT OF GOVERNMENT OF WEST BENGAL HAS CONFIRMED A TOTAL OF 795 CASES, INCLUDING 623 ACTIVE CASES, 33 DEATHS AND 139 RECOVERIES, AS OF 1 MAY 2020. WEST BENGAL HAS ONE OF THE LOWEST CORONAVIRUS TESTING RATES IN THE COUNTRY. THE WEST BENGAL STATE GOVERNMENT HAS IDENTIFIED 7 HOTSPOTS AS OF 7 APRIL 2020. THE NAMES OF HOTSPOTS ARE NOT OFFICIALLY DISCLOSED. THERE ARE RUMOURS THAT KOLKATA, HOWRAH, BELGHARIA, HALDIA, EGRA, TEHATTA AND KALIMPONG ARE THE 7 HOTSPOTS. PEOPLE LIVING HERE HAVE BEEN ASKED TO STAY INSIDE.



### A REALIZATION:

AFTER COVID-19 PANDEMIC HIT OUR COUNTRY WE HAVE GLUED OUR EYES TO THE NEWS WORLD FOR THE STATISTICS OF THE NUMBER OF PEOPLE AFFECTED, RECOVERED OR DECEASED. BUT WITH TIME WE HAVE ALSO REALISED THE POSITIVE CHANGES THAT THIS PANDEMIC HAS BROUGHT TO THE SOCIETY. IT HAS CHANGED OUR LIFE IN DRASTIC WAYS. THE EARTH HAS BECOME GREENER, THE RIVER LESS POLLUTED, THE SKY AZURE AND THE AIR REJUVENATING. THE OZONE LAYER HAS ALSO STARTED REPAIRING ITSELF. THE WAY WE INTERACTED WITH PEOPLE, THE WAY WE WORKED, OUR WAY OF SHOPPING HAVE ALL UNDERGONE MAJOR CHANGES. DUE TO THIS WE HAVE ALSO REALISED THE IMPORTANCE OF A LOT OF THINGS WE HAD TAKEN FOR GRANTED BEFORE. SELF ISOLATION HAS ALSO INVOKED THE SENSE OF COMMUNITY IN ALL OF US. NOT BEING ABLE TO COMMUNICATE AS WE USED TO, NO MEETING WITH PEOPLE AT WORK, AT CONCERTS OR EVEN GATHER AROUND FOR A CUP OF TEA AT A ROADSIDE TEA STALL HAS AFFECTED US. THIS PANDEMIC HAS TAUGHT US TO HOARD LESS AND SIMPLIFY OUR LIFESTYLE. WE HAVE LEARNT TO MAKE MAXIMUM UTILISATION OF THE MINIMUM RESOURCES AVAILABLE. WE WILL CERTAINLY OVERCOME THIS PANDEMIC BY SIMPLY FOLLOWING A FEW KNOWN WAYS OF SOCIAL DISTANCING, MAINTAINING HYGIENE FACTORS AND FACING IT WITH COURAGE. FINALLY WHEN THE LOCKDOWN IS OVER LET US NOT GO BACK TO OUR OLD LIFE STYLE BUT ACCEPT THE ADAPTED ONE AND MOVE AHEAD.



MRS. SULAGNA BHOWMICK,  
MS. SANGEETA GUPTA &  
MRS. CHAITALI SENGUPTA  
[ASSISTANT TEACHER, MATHEMATICS]

# IMPACT OF COVID -19

THE NEAR DOOMSDAY SCENARIO BROUGHT UPON THE PLANET BY THE COVID-19 IS SOMETHING UNPRECEDENTED IN HUMAN HISTORY. THIS VIRUS HAS EMERGED AS A MAJOR KILLER ACROSS THE WORLD. IT HAS STARTED CLAIMING INNUMERABLE LIVES. IN A SHORT PERIOD IT HAS BROUGHT THE WHOLE OF THE WORLD TO A STANDSTILL WITH MASSIVE LOCKDOWN. THIS LOCKDOWN HAS SURELY MADE LIFE MORE DIFFICULT FOR THOSE WHO ARE LEFT WITH NO JOBS, NO MONEY, NO FOOD AND LITTLE HOPE. EVERYONE IS TRYING TO CHANGE THEIR INNER DETERMINATION, REMAIN CONTENT AND SATISFIED WITH SIMPLE THINGS. IN THE FIGHT AGAINST THE SPREAD OF THE NOVEL CORONAVIRUS WE HAVE TO MAINTAIN PERSONAL HYGIENE, PHYSICAL DISTANCE AND NOT SOCIAL DISTANCE. IN THIS SITUATION WE MUST VOLUNTEER AND PAVE OUR WAY TO DO SOME WORK OF KINDNESS. WE MUST BE WELL CONNECTED. THIS CRISIS PERIOD HAS TAUGHT US TO RESPECT THE GIFTS THAT NATURE HAS GIVEN US. THE ENVIRONMENT HAS BECOME CLEAN. THE VISIBILITY HAS IMPROVED AS THE AIR HAS BECOME CLEAN. BUT THIS ENVIRONMENT THAT WE ARE ENJOYING CAN BE SHORT LIVED. IF WE WANT TO RELISH THESE CHANGES WE NEED TO ACTIVELY MEND OUR WAYS. SO, I REMAIN OPTIMISTIC THAT WE WILL OVERCOME THIS SITUATION AND BE READY TO TAKE UP NEW CHALLENGES. WE HOPE TO RETURN BACK WITH VIGOUR AND COMPASSION FOR ALL.



MRS. TAMALI HAQUE  
[ASSISTANT TEACHER, HISTORY]





## A NEW CHAPTER OF LIFE CORONA OUTBREAK

APART FROM THIS, A NEW FEELING HAS EMERGED FROM THE LOCKDOWN AS AN AMPLE AMOUNT OF TIME YOU CAN GIVE TO YOURSELF, ANALYZE YOURSELF BUT IT IS QUITE BORING IN A FEW CIRCUMSTANCES.

SO, IN MY VIEW IT'S A MIXED FEELING RANGING FROM NEW RECIPES WATERING IN MY MOUTH TO WATERING PLANTS IN MY TERRACE GARDEN. I AM ALSO ENJOYING A WONDERFUL TIME WITH VIDEO AND E-LEARNING CLASSES WITH STUDENTS.



BESIDES THIS, THE FRESHNESS OF EVERY MORNING OVERSHADOWING THE EVERYDAY POLLUTED SKY REALLY GIVES YOU A NATURAL GIFT WITH THE PRESENCE OF CHIRPING OF THE BIRDS AND FROM WHISPERING NOISE OF THE LEAVES TO UNFORTUNATE SUMMER SHOWERS COOLING YOU DOWN ENRICHING US WITH A WONDERFUL SITUATION ALL TOGETHER.

LET'S JOIN HANDS AND FIGHT TOGETHER AGAINST THIS VIRUS BY MAINTAINING SOCIAL DISTANCING AND STAYING AT HOME.

WE WILL DEFINITELY WIN IF WE TRULY ENGRAVE IT IN OUR HEARTS.



**MRS. SARMISTHA SANYAL**  
[ASSISTANT TEACHER, MATHEMATICS]

## CROWNING VIRUS OF THE YEAR

AFTER ATTENDING THE CORONATION CEREMONIES IN ALMOST ALL THE NATIONS OF THE WORLD, THE CORONA VIRUS IS NOW SITTING IN ITS THRONE IN REGAL SPIRIT TO OBLITERATE THE WHOLE WORLD WITH ITS FATALLY INVISIBLE ARMS. THE WINTRY FACES OF THE DESERTED REGIONS PORTRAY THE BLEAK PICTURE OF MANKIND AT PRESENT. IT IS OFTEN ASSERTED "ADVERSITY ALWAYS PRESENTS OPPORTUNITIES FOR INTROSPECTION" BUT THE RECENT PLIGHT OF THE POOR AND HELPLESS MASSES HAS PROFFERED THEM TWO OPPORTUNITIES, "PANDEMIC DEATH" OR "DEATH CAUSED BY STARVATION". WHEN GLOBAL PROXIMITY WAS BRIMMING WITH ZEAL, SOCIAL DISTANCING BECAME THE ORDER OF THE DAY. THE FUTURE

OF THE DAILY WAGE EARNERS IS IN THE DOLDRUMS, THEY HAVE SHUT THE DOOR OF THEIR FAR-SIGHTEDNESS FOR PENURY IS AWAITING THEM SURE EVEN IF NOT THE CROWNING VIRUS. WORLDWIDE LOCKDOWN AND GLOBAL DISRUPTION HAS A PROFOUND EFFECT ON PHYSICAL ISOLATION WHICH IN TURN IS LEADING TO MENTAL ISOLATION AND DESPAIR. TODAY'S GRUESOME AND MACABRE STATE OF AFFAIRS IS IN EVERYONE'S VISION WHICH IS WAITING TO BE REALITY ANY MOMENT, ONE WHO IS TESTED POSITIVE FOR COVID-19 IS EITHER ASKED TO QUARANTINE OR IS TAKEN AWAY WITH HIS FAMILY MEMBERS FOR TREATMENT IN ISOLATION, THE FORTUNATE SURVIVES WHEREAS THE HAPLESS MEETS HIS MAKER. SINCE THE VIRUS, CONVOYED BY DEATH HAS COMMENCED THEIR ADVENTURE IN THIS WORLD, WE ARE BOUND TO EMBRACE IT FOR LIFETIME, WHICH WILL PROBABLY TAKE US BACK TO THE AGE OF SAVAGES.

ISOLATION IS A LUXURY AND A REVERIE FOR THE HOMELESS AND THEY ARE THE WORST AFFECTED VICTIMS OF THE DEADLY VIRUS. THE ONLY SURVIVING MODE OF COMMUNICATION NOW IS INTERNET WHICH IS NOT WALKING ABREAST WITH THE PARALYSED WORLD RATHER WITH ITS PANACHE, IT IS ABLE TO REDUCE DEPENDENCY IN BEINGS AND IS HOLDING THE DROWNING AND DIPPING EARTH. EXCEPT INTERNET, WE ALL ARE IN A STATE OF DYSTOPIA AND "EVERYTHING IN ORDER" SEEMS LIKE A REMOTE UTOPIAN DREAM. BUT AS A CARRIER OF OPTIMISM, I STRONGLY BELIEVE THAT THE POETRY OF EARTH SHALL NEVER CEASE, THE DARKEST HOURS SHALL INEVITABLY WITNESS DAWN, ADVERSITY SHALL BE REPLACED BY PROSPERITY AND MISERY WILL FACE INELUCTABLE DECAY. LIKE THE RESURRECTION OF CHRIST, THE WORLD WILL ALSO RESURRECT ITSELF AND BE FREE FROM CHAINS BY BREAKING THE CHAIN. THEREFORE, WE HAVE TO FIGHT AGAINST COVID-19 IN SUCH A WAY THAT "THIS REIGNING TERROR SHOULD NOT SET UP ITS REIGN OF TERROR ETERNALLY IN THIS ALREADY RECEDING CIVILISATION".



**MRS. SRIJITA SANYAL**  
[ASSISTANT TEACHER, ENGLISH]

## THE NEW MORNING WILL COME VERY SOON..

HISTORICALLY, PANDEMICS HAVE FORCED HUMANS TO BREAK WITH THE PAST AND IMAGINE THEIR WORLD ANEW. THIS ONE IS NO DIFFERENT. IT IS A PORTAL, A GATEWAY BETWEEN ONE WORLD AND THE NEXT.

WE CAN CHOOSE TO WALK THROUGH IT, DRAGGING THE CARCASSES OF OUR PREJUDICE AND HATRED, OUR AVARICE, OUR DATA BANKS AND DEAD IDEAS, OUR DEAD RIVERS AND SMOKY SKIES BEHIND US. OR WE CAN WALK THROUGH LIGHTLY, WITH LITTLE LUGGAGE, READY TO IMAGINE ANOTHER WORLD AND READY TO FIGHT FOR IT.



**MR. SOURAV PAL**  
[ASSISTANT TEACHER, COMPUTER SCIENCE]

## THE SILENT MORNING

WAKING UP ON THE FIRST MORNING OF LOCKDOWN WAS A STRANGE EXPERIENCE. THE SITUATION THAT HAD ARISEN DUE TO THE FEAR OF COVID -19 PANDEMIC WAS UNNATURAL YET BEAUTIFUL. WE RETURNED TO A CERTAIN FORGOTTEN QUALITY OF SILENCE. THE HUSH SILENCE THAT HAD DESCENDED ON THE CITY WAS RARE. IN THE ABSENCE OF TRAFFIC, THE OLD NOISES WERE NO LONGER HEARD. THE MORNING FILLED WITH DELICATE BIRD'S SONGS. THERE WERE FEWER NUMBER OF PEOPLE ON THE STREETS. THE SUNLIGHT WHICH FELL THROUGH THE TREES SEEMED TO BE CLEANER AND SHARPER. EVERYTHING WAS BRIGHT AND GLITTERING IN THE SMOKELESS AIR, INVITING EVERYONE TO BREATHE. IT WAS TIME FOR DEEP REFLECTION AND KEEN OBSERVATION. THE STILLNESS AND THE STRANGENESS WERE MAKING ONE CURIOUS TO SEE THE SURROUNDING MORE AND MORE. SOMETIMES WE HAVE TO LEAVE BEHIND THE PACE OF LIFE AND COME BACK TO THE FUNDAMENTALS OF LIFE. THE SUN STILL RISING SILENTLY MADE US ADMIRE THE RHYTHM OF NATURE, WHICH WAS BECOMING SLOWER. TRYING TO TEACH US THAT SILENCE IS ALSO A MEANS OF PERSONAL GROWTH AND SELF RENEWAL. SO, LETS REJUVENATE AND BE MORE COMPASSIONATE WHILE DOING SOME WORKS OF KINDNESS. THE LOCKDOWN SEEMED TO WHISPER AN UNTOLD MESSAGE TO EACH ONE OR WAS IT CRYING OUT LOUD. ....

### WHAT'S ON THE OTHER SIDE OF SILENCE???



**MRS. JAYANTI DUTTA**  
[ASSISTANT TEACHER, ENGLISH]

## FEARLESS

"THE SKY IS CRYSTAL CLEAR.  
THE WEATHER IS BRIGHT AND FAIR.  
I AM TREMBLING WITH FEAR.  
MIGHT I DIE IN THIS YEAR.  
STARING WORRIED AT THE SUN.  
MY FEAR HAS ALREADY GONE.  
HEARING PEOPLE SINGING JOYOUS SONG.  
I PREFER TO LIVE LONG."



**MRS SUKLA CHATTERJEE**  
[ASSISTANT TEACHER, ENGLISH]





## SCIENCE AND TECHNOLOGY

THE ALPHABET OF DYSTOPIAN TIMES

BY SWASTIK BANERJEE (ASSISTANT TEACHER, COMPUTER DEPARTMENT)

'AN UNVEILING AND UNFOLDING OF THINGS NOT PREVIOUSLY KNOWN AND WHICH COULD NOT BE KNOWN APART FROM THE UNVEILING', ALLUDES TO THE BIBLICAL ALLUSION OF APOCALYPSE, A PROPHECY OF THE WORLD COMING TO ITS 'DOOMSDAY'. PRESENTLY UNSOUGHT FOR, COVID-19, A FATAL CONTAGIOUS DISEASE CAUSED BY CORONA VIRUS AND DECLARED AS PANDEMIC BY WHO, HAS INTENSIFIED THE APOCALYPTIC TIMES OF THE WORLD AND CASTING A CASCADING DETERIORATION IN THE SURVIVAL OF THE MANKIND, THAT ONE WOULD NEVER SEEK FOR. 'ENVIRONMENT IS THE AGGREGATE OF ALL THE EXTERNAL CONDITIONS AND INFLUENCES AFFECTING LIFE AND DEVELOPMENT.

IN THE WAKE OF THE CONTAGION THE WORLD COMPULSIVELY HAS RESORTED TO SOCIAL DISTANCING, STOCKING PANTRIES, GLOBAL SOLIDARITY, QUARANTINE CREATIVITY, HYPOTHETICAL EXPERIMENTATIONS, MEDICAL ASSORTMENTS AND TECHNOLOGICAL INNOVATIONS. PROFESSIONALS ACROSS THE GLOBE ARE TRYING TO ASCERTAIN HOW THE DISEASE WILL PAN OUT, TO ASSIST GOVERNMENTS TAKE PRECAUTIONARY MEASURES AND MAINTAIN ACCURATE NUMBERS.

"TIME IS WHIMPERING LIKE A NAKED BABE" YET A COMMITMENT FOR LIFE REVERBERATES THE FAMOUS QUOTATION.

COVID-19 IS MAKING PEOPLE ALL OVER THE GLOBE GO HELTER-SKELTER AND CLUELESS. AS PER WORLDOMETER OVER 2,832,520 PEOPLE HAVE FALLEN PREY TO THE VIRUS., 197,343 SUCCUMBING TO DEATH WHICH IS STILL COUNTING. IN INDIA IT HAS TOLLED ON 24,506 LIVES, COUNTING DEATHS TO 775, TILL DATE.

"YET SO LONG AS MEN DIE LIBERTY WILL NEVER PERISH" - THE GREAT DIRECTOR CHAPLIN...

SCIENCE AND TECHNOLOGY POIGNANTLY WALK HAND IN HAND ON A CONTINUUM TO ATTAIN THE MOST COVETED GOAL, IN A NUTSHELL, 'LIBERTY' THROUGH THOUGHTFUL, INFERENTIAL MODES OF OPERATION. THAT MANKIND MIGHT BE EXTRICATED FROM THE MALIGN CORONA CRISIS THAT A NEW SUN MIGHT BE HERALDED IN WORLD-WIDE, SCIENCE AND TECHNOLOGY IS BEING DEPLOYED AT THE FRONTIERS RANGING FROM AERIAL TECH LIKE DRONES TO COMPUTERS, FROM A POWERFUL NEW DATA SET COORDINATING TEN MILLIONS OF SMARTPHONES TO COVID ALERT AWAKENING MOBILE APPLICATION.

AMIDST THE MONOCHROMATIC SHADES OF MAYHEM COMING OUT OF UNPREDICTABLE CHAOS AND HUMAN MALICE IN THE FORM OF VIRUSES, THE TEACHERS UNDAUNTED AGAINST ALL ODDS, ONCE MORE ARE ON THEIR MAGNANIMOUS MISSION, LIKE GURUS WE READ ABOUT IN THE WRINKLED PAGES, TO PROVE THAT 'EDUCATION THAT DOES NOT BEAR ON MIND AND THE MOST ESSENTIAL AND VITAL PROBLEM IS NOTHING BUT MERELY SUFFOCATION'.

ATTRIBUTED AS THE FACILITATORS, SCAFFOLDERS, PHILOSOPHERS, GUIDES AND FRIENDS, THE TEACHERS NEED TO BE THE SUNSHINE TO EVERY STUDENT, THE SUNSHINE THAT REACHES EVERYONE.

**CONTRIBUTION OF ADITYA BIRLA VANI BHARATI**  
OUR PRESTIGIOUS ENGLISH MEDIUM INSTITUTION ADITYA BIRLA VANI BHARATI, IN RISHRA, HOOGHLY ALWAYS LAY AN INSIGHT INTO WORLD CLASS EDUCATION COUPLED WITH EXHILARATION LEARNING EXPERIENCES. WITH AN EXCELLENT TRACK RECORD IN ACADEMIC AND CO-CURRICULAR ACTIVITIES, THE INSTITUTION HAS GARNERED IN THE LAUREL OF BEING THE PIONEER IN THE GROUP OF ADITYA BIRLA PUBLIC SCHOOLS.

IN CONFORMITY WITH THE MODERN EDUCATIONAL THOUGHTS:" CURRICULUM DOES NOT MEAN ONLY THE ACADEMIC SUBJECTS, TRADITIONALLY TAUGHT IN SCHOOLS BUT INCLUDE THE SUM-TOTAL OF EXPERIENCES THAT A PUPIL RECEIVES THROUGH THE MANIFOLD ACTIVITIES THAT GO ON IN THE SCHOOL, IN THE CLASSROOM, IN THE LIBRARY, LABORATORY, WORKSHOP, PLAYGROUND AND IN NUMEROUS INFORMAL CONTACTS BETWEEN TEACHER AND PUPIL", THE SCHOOL LAUNCHED ITS INTERACTIVE WEBSITE IN THE MONTH OF JANUARY, 2020, TRIGGERING ON THE TECHNOLOGICAL JOURNEY. SHEDDING OFF INHIBITION POSED DURING THE CURRENT LOCKDOWN PERIOD DUE TO THE PANDEMIC COVID-19, THE SCHOOL STARTED SENDING NOTES IN .PDF FORMAT ALONG WITH VOICE NOTES CONTAINING EXPLANATIONS TO STUDENTS OF CLASSES L.K.G. TO XII BY SENDING NOTIFICATION TO STUDENTS ON THE WEBSITE AS WELL AS THROUGH 128 WHATSAPP GROUP. THEN ADDITION OF THE ZOOM PLATFORM IS INDUBITABLY ONE OF THE MAJOR TEACHING-TOOLS FOR FOSTERING CONDUCIVE ONLINE INTERACTIVE CLASSES FOR CLASSES L.K.G. TO XII. ZOOM ROUTINES ARE CREATED FOR EACH CLASS AND 116 CLASSES RUN SIMULTANEOUSLY. TEACHERS SEND THEIR MEETING LINKS TO THEIR RESPECTIVE WHATSAPP GROUPS AND THE STUDENTS ARE ALLOWED TO WAIT IN THE WAITING ROOM AND AFTER THEIR IDENTITIES ARE JUSTIFIED THEY ARE ALLOWED IN THE CLASS. STUDENTS START INTERACTING WITH THEIR TEACHERS AND THE SMILE ON THEIR FACES AFTER THEY CAN SEE THEIR FRIENDS AND THEIR TEACHERS TOGETHER IS PRICELESS. THE STUDENTS FEEL AS IF THEY ARE IN SCHOOL CLASSROOM THOUGH VIRTUALLY.

WITH AN AIM OF EMANATING STIMULATION IN LEARNING ACTIVITY, RENDERING DIRECTION TO A SELECTIVE GOAL AND ACCELERATING THE BEHAVIOUR OF THE LEARNERS, THE SCHOOL IS ON THE VERGE OF LAUNCHING ITS ONLINE PORTAL.

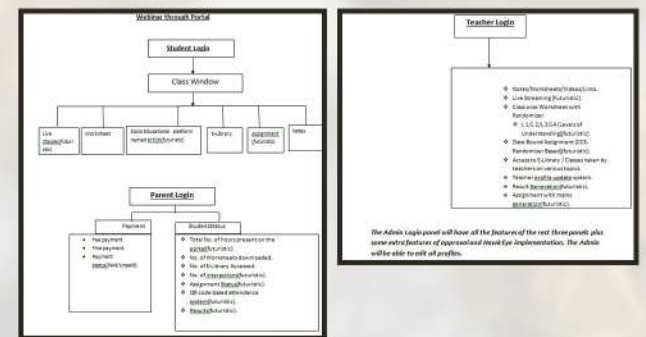
THE PORTAL IS UNIQUE OF ITS OWN KIND. THE FOLLOWING FEATURES ADD TO ITS UNIQUENESS:

1. WE ARE AN HTTPS PORTAL WHERE ALL DATA ARE TRANSMITTED SECURELY THROUGH SERVER SOCKET LAYER WHICH GIVES 100% GUARANTEE OF DATA SECURITY.
2. WE HAVE DDOS (DISTRIBUTED DENIAL OF SERVICE) PROTECTION FOR OUR PORTAL.
3. NO SQL INJECTION CAN BE DONE.
4. ANY IP TRYING UNSUCCESSFUL LOGIN ATTEMPTS MORE THAN FIVE TIMES WILL BE BLOCKED.
5. TO PREVENT BOTS (ATTACK VIA BOT NET) WE HAVE IMPLEMENTED CAPTCHA SECURITY.
6. THIS PORTAL IS SCALABLE TO ABOUT TEN LAKH STUDENTS CURRENTLY WHICH CAN BE FURTHER SCALED UP IF REQUIRED.
7. WE ARE TIED UP WITH THE WORLD'S OLDEST AND BEST PAYMENT GATEWAY PROVIDER PAYPAL/RAZORPAY FOR SECURED SUBMISSION OF FEES AND FINES. PAYPAL/RAZORPAY HAS ENABLED ONE TAP CHECK OUT SYSTEM WHERE THE PARENT WILL RECEIVE AN OTP TO FULFIL THE PAYMENT WHICH WILL BE IMPLEMENTED.
8. STUDENTS, THEIR STANDARDS AND STUDY MATERIALS ARE PROPERLY MAPPED.
9. WE HAVE OUR OWN VIRTUAL PRIVATE SERVER HAVING CLOUD SPACE OF 2TB, WHICH CAN BE SCALED UP IF REQUIRED.

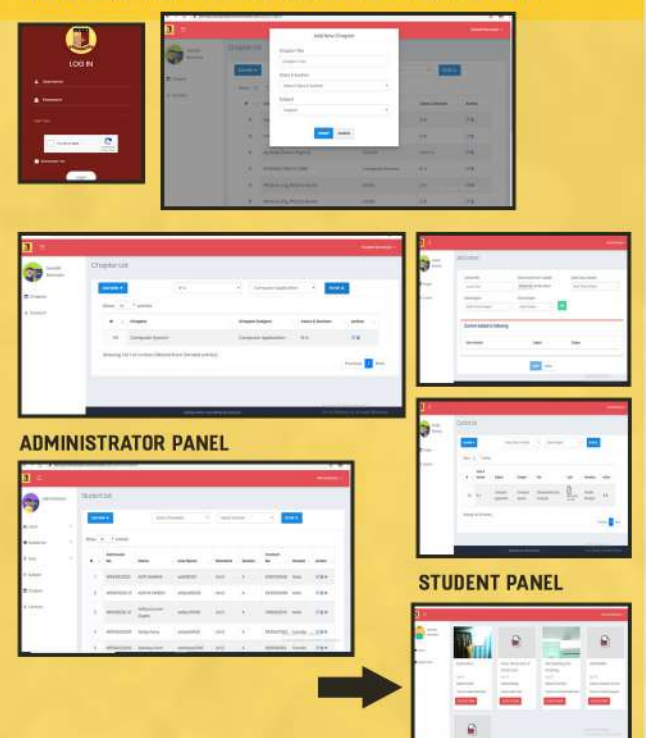
**A BRIEF JOURNEY THROUGH OUR PORTAL:**  
IN OUR PORTAL EVERY STUDENT, TEACHER, STAFF, GUARDIAN AND ADMIN WILL HAVE HIS/HER OWN MEMBER PANEL AND WILL BE ABLE TO VIEW SPECIFIC CONTENTS CATERED TO THE INDIVIDUALS.

1. ONLY THE STUDENTS CAN VIEW STUDY MATERIALS. FOR E.G. A CLASS 6 STUDENT CAN VIEW MATERIALS./VIDEOS ONLY MEANT FOR CLASS 6, NO OTHER CLASS CAN VIEW THOSE MATERIALS.
2. IN TEACHERS PORTAL, THE TEACHERS WILL BE ABLE TO UPLOAD VIDEOS/PDF'S AND THE TEACHERS WILL BE ABLE TO SEE THE NOTES/ VIDEOS ONLY HE/SHE HAS UPLOADED.

4. IN ADMIN PANEL, ADMIN CAN CONTROL EVERYTHING, HE CAN VIEW THE SCHOOL'S STUDENT'S DATABASE, TEACHERS DATABASE, STUDY MATERIAL DATABASE, ATTENDANCES LIST, SUBJECT, CHAPTER LIST ETC.



THE PORTAL WILL HAVE THE FOLLOWING SEAMLESS VIEW:



THIS PORTAL WILL BE OF IMMENSE HELP TO THE STUDENTS, THEIR GUARDIANS AND TO OUR STAFF FRATERNITY. STUDENTS CAN HAVE A SOCIO EDUCATIONAL PLATFORM TO STUDY BY POSTING THEIR QUERIES LIVE AND TEACHERS WOULD ANSWER THEM LIVE EVEN WHEN THEY ARE AT HOME. THIS WILL CREATE IN ITSELF A MESMERISING EFFECT OF STUDY. THE STUDENTS CAN WATCH THEIR TEACHERS LIVE AT HOME THROUGH THE VIDEOS IN THE E-LIBRARY AND CAN REVISE THEIR CLASSES AT HOME. THEY CAN BE BENEFITED FROM THE NOTES SUPPLIED ON THE PORTAL FOR THEIR HOME WORKS. THE STUDENTS WOULD BE ASSESSED ON THE BASIS OF AN ONLINE ASSIGNMENT THROUGH THIS PORTAL AND WILL BE AWARDED GRADES OR MARKS ACCORDINGLY. THESE MARKS WOULD BE TREATED AS ASSIGNMENT MARKS.

THE GUARDIANS CAN PAY THE FEES OF THEIR WARDS FROM THE COMFORT OF THEIR HOME AT ANY TIME. THE GUARDIANS CAN ALSO ASSESS THEIR WARDS PROGRESS THROUGH THE ONLINE RESULTS GENERATED. ALSO THE QR CODE ENABLED ATTENDANCE SYSTEM WILL HELP THE GUARDIANS TO KEEP TRACK OF THEIR WARDS ATTENDANCE AND THEY CAN KEEP AN EYE ON THEIR WARDS DAILY ACTIVITIES. THEY CAN ALSO KEEP A RECORD OF THEIR CHILD'S INVOLVEMENT IN STUDY.

THUS ADITYA BIRLA VANI BHARATI WILL BE A COMPLETE DIGITAL SCHOOL HAVING DIGITAL DATABASE OF STUDENTS, STAFFS, GUARDIANS, SUBJECTS, STUDY MATERIALS ETC.

WE ARE CREATING A SECURED ENVIRONMENT FOR STUDENTS, GUARDIANS AND OUR STAFF, WHERE EVERYONE CAN BE CONNECTED WITH EACH OTHER DIGITALLY. EVEN THIS PORTAL CAN BE USED BY ANY OTHER SCHOOL IN FUTURE.

LAST BUT NOT THE LEAST.....  
MASLOW'S MOTIVATION THEORY FIGURES OUT ----->  
NEEDS -----> GIVE RISE TO ----> WANT ----> WHICH CAUSE ---->  
TENSIONS ----> WHICH GIVE RISE TO -----> ACTIONS ----> WHICH  
RESULT IN ----> SATISFACTION.  
TAKING A LEAF FROM THE BOOK OF ULYSSES, WE THE TEACHERS OF OUR INSTITUTION, MOULDED WITH PASSIONATE TEMPERAMENT, NEVER-YIELDING SPIRIT, INDOMITABLE ZEAL AND ZEST TAKE A PLEDGE THAT 'UNITED WE PREVAIL. LET EDUCATION SAIL'. HEADING ON WITH THE CURRENT OR UNFORESEEN INTIMIDATIONS WITH SCIENCE AND TECHNOLOGY - THE ALPHABET OF THE DYSTOPIAN TIMES.

TECH TALK





## CORONAVIRUS DISEASE 2019 (COVID-19) PANDEMIC

THE COVID-19 PANDEMIC CAUSED BY SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS 2(SARS-COV-2) IS THE DEFINING GLOBAL HEALTH CRISIS OF OUR TIME AND THE GREATEST CHALLENGE WE HAVE FACED SINCE WORLD WAR II. WHO HAS DECLARED COVID-19 OUTBREAK AS THE 6TH PUBLIC HEALTH EMERGENCY OF INTERNATIONAL CONCERN. CORONAVIRUS IS A LARGE FAMILY OF VIRUSES THAT CAUSES ILLNESS RANGING FROM COMMON COLD TO SEVERE RESPIRATORY ILLNESS.

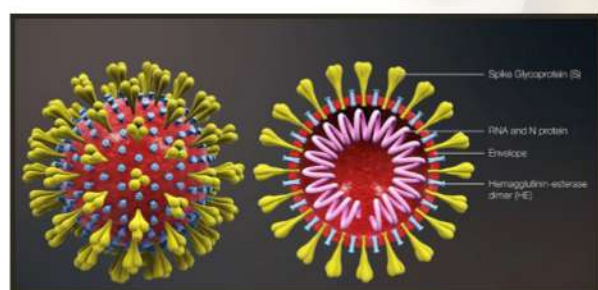
### ORIGIN

THE DISEASE HAS ITS ORIGIN IN WUHAN, CHINA. THE GENOME WAS RAPIDLY SEQUENCED BY CHINESE RESEARCHERS. IT IS A RNA MOLECULE WITH 30,000 BASES AND 15 GENES, INCLUDING THE S GENE CODING FOR A PROTEIN LOCATED ON THE SURFACE OF VIRAL ENVELOPE. WHEN GENOMES WERE COMPARED, IT WAS SEEN THAT SARS-COV-2 BELONGS TO THE GROUP OF BETACORONAVIRUSES AND THAT IT IS VERY CLOSE TO SARS-COV RESPONSIBLE FOR AN EPIDEMIC OF ACUTE PNEUMONIA WHICH APPEARED IN NOVEMBER 2002 IN THE CHINESE PROVINCE OF GUANGDONG. CORONAVIRUSES ARE ZOO-NOTIC. ORIGINALLY, SCIENTISTS BELIEVED THAT VIRUS MAY HAVE DEVELOPED IN BATS, AND LATER PANGOLINS.

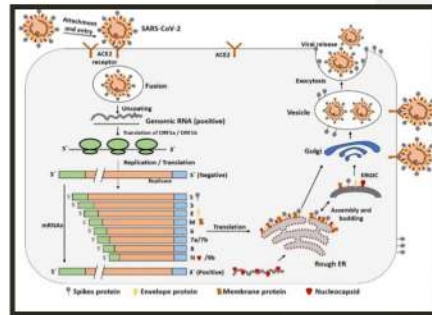
THE GENOMIC COMPARISONS SUGGEST THAT THE SARS-COV-2 VIRUS IS THE RESULT OF A RECOMBINATION BETWEEN TWO DIFFERENT VIRUSES. IT IS IMPORTANT TO KNOW THAT RECOMBINATION RESULTS IN A NEW VIRUS POTENTIALLY CAPABLE OF INFECTING A NEW HOST SPECIES. FOR RECOMBINATION TO OCCUR, THE TWO DIVERGENT VIRUSES MUST HAVE INFECTED THE SAME ORGANISM SIMULTANEOUSLY.

TWO QUESTIONS REMAIN UNANSWERED: IN WHICH ORGANISM DID THIS RECOMBINATION OCCUR (A BAT, A PANGOLIN OR ANOTHER SPECIES) AND ABOVE ALL, UNDER WHAT CONDITIONS DID THIS RECOMBINATION TAKE PLACE?

### STRUCTUE, TRANSMISSION AND SYMPTOMS IN BRIEF



CORONA MEANS "CROWN". IT ACTUALLY REFERS TO THE SPIKE LIKE STRUCTURE OF THE VIRUS WHEN VIEWED UNDER AN ELECTRON MICROSCOPE. SARS-COV-2 HAS FOUR STRUCTURAL PROTEINS, KNOWN AS S (SPIKE GLYCOPROTEINS OR THE CLUB-LIKE EXTENSIONS PROJECTING FROM THE SURFACE), M (MEMBRANE), E (ENVELOPE), AND N (NUCLEOCAPSID). THE SPIKE PROTEIN (S) FACILITATES THE ATTACHMENT OF A VIRUS TO A HOST CELL BY ADHESION. AFTER ATTACHING WITH THE HOST CELL, THE SARS-COV2 RELEASES ITS RNA INTO THE CELL. VIRAL RNA THEN HIJACKS THE HOST CELL'S MACHINERY TO REPRODUCE MORE AND MORE RNA AND OTHER PROTEINS NEEDED TO PRODUCE NEW VIRUSES. THEN THOSE RNA AND PROTEINS ASSEMBLE AND FORM NEW VIRUSES WHICH COME OUT OF THE HOST CELL AS THE INFECTED CELL DIES AND AGAIN ATTACK NEW CELLS.



COVID-19 SPREADS RAPIDLY BY HUMAN-TO-HUMAN TRANSMISSION THROUGH RESPIRATORY DROPLETS (WHEN INFECTED PERSON COUGHS OR SNEEZES), DIRECT CONTACT AND FECAL-TO-ORAL TRANSMISSION, THUS REQUIRING COMPREHENSIVE PUBLIC HEALTH RESPONSES.

THE INITIAL CLINICAL SYMPTOMS ARE FEVER, FATIGUE, SORE THROAT AND DRY COUGH, WITH SYMPTOMS RANGING FROM MILD TO SEVERE RESPIRATORY DISTRESS AFFECTING THE LUNGS AND AIRWAYS. THE DISEASE CAN BE FATAL IN THE ELDERLY AND PEOPLE WITH PRE-EXISTING MEDICAL CONDITION SUCH AS ASTHMA, DIABETES, HEART DISEASES. OTHERS MAY BE ASYMPTOMATIC CARRIERS LATENTLY SERVING IN THE SPREAD OF THE DISEASE.

### DIAGNOSIS AND TREATMENT

CURRENT DIAGNOSIS PROTOCOL IS A COMBINATION OF CLINICAL OBSERVATION OF SYMPTOMS AND A POSITIVE RESULT FOR THE PRESENCE OF THE VIRUS USING REAL-TIME POLYMERASE CHAIN REACTION (PCR). RAPID ANTIBODY TEST IS ALSO USED FOR MASS TESTING AND SCREENING.

THE NUMBER OF DEATH HAS CROSSED TWO LAKHS AND MORE TILL NOW. MOST OF THE COUNTRIES IN THE WORLD ARE RACING TO SLOW THE SPREAD OF THE VIRUS BY TESTING AND TREATING PATIENTS. THE FOLLOWING ARE THE DIFFERENT TREATMENTS, THERAPIES INTRODUCED BY DIFFERENT COUNTRIES TO DEAL WITH THIS VIRUS.

#### 1. MEDICINES AND DRUGS

THERE IS NO PROVEN DRUG FOR THE PREVENTION AND TREATMENT OF COVID 19. HYDROXYCHLOROQUINE AND ITS SISTER DRUG CHLOROQUINE IS CLASSIFIED AS AN ANTI MALARIAL DRUG AND IS ALSO USEFUL FOR THE TREATMENT OF SYSTEMIC LUPUS ERYTHEMATOSUS, AND RHEUMATOID ARTHRITIS. SEVERAL COUNTRIES LIKE USA, UK, FRANCE, ITALY, INDIA AND OTHERS ARE UNDER THE PROCESS OF INVESTIGATION FOR USING THIS DRUG TO CURE COVID-19. SEVERAL OTHER DRUGS LIKE REMDESIVIR, A COMBINATION OF TWO HIV DRUGS (LOPINAVIR+ RITONAVIR) , FAVIPRAVIR ETC ARE ALSO IN TRIAL IN DIFFERENT COUNTRIES.

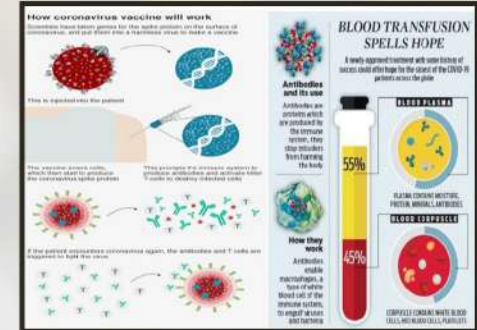
#### 2. VACCINATION

TILL NOW THERE IS NO CONFIRMED VACCINE AVAILABLE TO PREVENT COVID 19. A TEAM OF VACCINOLOGISTS LEAD BY SARAH GILBERT OF OXFORD UNIVERSITY HAS SUCCEEDED TO DEVELOP A VACCINE WHICH HAS GONE THROUGH ITS FIRST TRIAL. THIS PROJECT OF TRIAL VACCINATION INCLUDES 800 VOLUNTEERS. HALF WILL RECEIVE THE COVID-19 VACCINE AND THE REST A CONTROL VACCINE WHICH PROTECTS AGAINST THE MENINGITIS AND NOT CORONAVIRUS. THE VACCINE IS MADE FROM A WEAKENED VERSION OF A COMMON COLD VIRUS [KNOWN AS ADENOVIRUS] FROM CHIMPANZEEES THAT HAS BEEN MODIFIED SO THAT IT CANNOT GROW IN HUMANS. IF THE VACCINE IS FOUND TO BE EFFECTIVE AND SAFE IT MAY TAKE NOT LESS THAN 18 MONTHS TO COME TO THE MARKET.

#### 3. PLASMATHERAPY

IN CONVALESCENT PLASMA THERAPY THE LIQUID PART OF THE BLOOD OR PLASMA IS COLLECTED FROM PATIENTS WHO HAVE CURED OF COVID-19 INFECTION AS IT CONTAINS ANTIBODIES THAT MIGHT HELP THEM TO FIGHT THE INFECTION. THE ANTIBODIES FROM THE RECOVERED PATIENTS ARE INJECTED INTO A CRITICALLY ILL PATIENT TO BOOST THEIR IMMUNITY AGAINST THE VIRUS. MANY COUNTRIES INCLUDING INDIA ARE NOW RUNNING CONVALESCENT PLASMA THERAPY

AS A TREATMENT FOR PATIENTS WITH SEVERE COVID-19 CASES. THIS TECHNIQUE WAS PREVIOUSLY USED TO TREAT VARIOUS OTHER VIRAL DISEASES LIKE SPANISH FLU, SARS, MERS, EBOLA ETC.



### TRACE, TEST, TREAT (TTT) - THE MOST SUCCESSFUL MODEL IN CONTROLLING COVID-19

THE SOUTH KOREAN MODEL OF TTT (TRACE, TEST, TREAT) HAS PROVED TO BE VERY SUCCESSFUL IN CONTROLLING COVID-19 WITHOUT PUTTING A COMPLETE NATIONWIDE LOCKDOWN. HERE THOSE WITH SLIGHTEST SYMPTOMS OF COVID -19 OR EVEN SUSPECTS WITHOUT ANY SYMPTOMS WERE TRACED, THEN TESTED QUICKLY AND THE POSITIVE CASES WERE ISOLATED AND TREATED. IN SOUTH KOREA ABOUT 18000 TESTS WERE CONDUCTED A DAY IN OVER 650 TESTING CENTERS NATIONWIDE.

PRESENTLY SOUTH KOREAN COMPANIES ARE SUPPLYING TEST KITS IN INDIA FOR RAPID TESTING. COVID - 19 CAN COMPLETELY BE CHECKED ONLY AFTER INVENTION OF EFFECTIVE VACCINE AND/OR MEDICINE. TILL THEN WE HAVE TO FOLLOW THE PRACTICE OF SOCIAL DISTANCING AND PERSONAL HYGIENE TO CHECK THE SPREAD OF COVID - 19.



MRS. RIA DAS, MRS. BITHI LAHA & MRS. PRITHA GANGULY [ASSISTANT TEACHER, SCIENCE]

## THE WORLD'S WARRIORS

"CATCH ME IF YOU CAN ."THIS IS THE CHALLENGE THAT THE NOVEL CORONAVIRUS HAS THROWN AT THE SUPERHEROES OF THE WORLD. THE NOVEL CORONAVIRUS IS A SMART MICROSCOPIC BEAST AND OPERATES LIKE A THIEF . IT ATTACKS STEALTHILY AND KNOCKS DOWN EVERY UNSUSPECTING BUT LITTLE CARELESS VICTIM . WHAT HAS KEPT THE WORLD ON ITS TOE IN THE FIGHT AGAINST NOVEL CORONAVIRUS PANDEMIC IS THAT COVID - 19 WARRIORS COME TO KNOW OF THE 'THEFT' WHEN THE 'CRIME' HAS ALREADY TAKEN PLACE . YES I AM TALKING ABOUT THE DOCTORS AND SOCIAL WORKERS , WORKING REALLY HARD TO SAVE US FROM THIS DANGEROUS VIRUS . IN THESE UNCERTAIN TIMES , I AM GRATEFUL FOR THOSE WHO PUT THEMSELVES IN DANGER FOR US , OUR SAVIOURS , "THE WORLD'S WARRIORS!"



MRS. SUJATA MISTRY [ASSISTANT TEACHER, HINDI]



## JOURNEY OF A DEADLY VIRUS FROM CHINA TO THE REST OF THE WORLD

A CLUSTER OF PNEUMONIA CASES WERE REPORTED IN DECEMBER 2019 IN THE HUBEI PROVINCE OF CHINA, A RESIDENCE OF 11 MILLION PEOPLE. MOST OF THE CASES WERE CONCENTRATED IN ITS CAPITAL CITY, WUHAN WHERE THE OUTBREAK IS BELIEVED (NOT CONFIRMED) TO HAVE STARTED AT A STREET FOOD MARKET. LATER IT HAS BEEN FOUND THAT THE PNEUMONIA TYPE DISEASE WAS CAUSED BY A NEWLY IDENTIFIED BETA-CORONA VIRUS. THIS CORONA VIRUS WAS INITIALLY NAMED AS THE 2019-NOVEL CORONA VIRUS (2019-NCOV) BY WORLD HEALTH ORGANISATION (WHO) ON 12TH JANUARY, 2020. WHO ALSO OFFICIALLY NAMED THE DISEASE AS CORONA VIRUS DISEASE 2019 (COVID-19) ON 11TH FEBRUARY, 2020 AND ON THE SAME DAY CORONA VIRUS STUDY GROUP (CSG) OF INTERNATIONAL COMMITTEE PROPOSED THE NAME OF THE VIRUS AS SARS-COV-2.

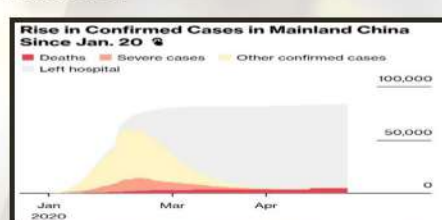
THE CHINESE GOVERNMENT MANAGED TO SUPPRESS CORONA VIRUS WAS FIRST IDENTIFIED IN 1960 BUT ITS ORIGIN OR SOURCE WAS NOT KNOWN TO THE SCIENTISTS THAT TIME. STUDIES AND RESEARCHES REVEALED THE PRESENCE OF THE VIRUS IN BATS. THE NAME CORONA ORIGINATED FROM ITS CROWN LIKE STRUCTURE. THE VIRUS CAN AFFECT BOTH ANIMALS AND HUMANS AND THEY SPREAD IN THE SAME MANNER AS OTHER COLD VIRUSES. THEY CAN SPREAD THROUGH COUGHING AND SNEEZING AS WELL AS BY TOUCHING AN INFECTED PERSON'S FACE, HAND OR OTHER BODY PARTS. THEY CAN ALSO SPREAD BY TOUCHING DOOR HANDLES OR DOOR-KNOBS WHICH MIGHT HAVE BEEN TOUCHED BY INFECTED PERSONS. SEVERAL STUDIES SUGGESTED IN UNCONFIRMED MANNER THAT BAT MAY BE THE POTENTIAL CARRIER OF SARS-COV-2 TOO, THOUGH THE POSSIBILITIES OF ALTERNATIVE INTERMEDIATE HOSTS SUCH AS TURTLES, PANGOLINS AND SNAKES CAN NOT BE RULED OUT. SARS-COV-2 IS TRANSMITTED MUCH MORE READILY BETWEEN HUMANS THAN ITS CLOSEST RELATIVE, SARS WHICH INFECTED 8098 PEOPLE WITH MORTALITY RATE OF 9% ACROSS 26 COUNTRIES IN THE WORLD IN 2003. IT HAS BEEN SUGGESTED THAT EACH NEW COVID19 CASE CAN INFECT 2.5 OTHER PEOPLE ON AN AVERAGE WHEN NO SOCIAL DISTANCING IS MAINTAINED. AS OF NOW 3315147 CONFIRMED CASES OF COVID-19 WITH A STAGGERING DEATH TOLL OF 233398 HAVE BEEN REPORTED WORLD WIDE. THE OUTBREAK SPREADS IN MORE THAN 210 COUNTRIES AND TERRITORIES FROM CHINA SINCE LATE JANUARY AND ALL THE CONTINENTS ARE AFFECTED EXCEPT ANTARCTICA.



THE NEW CORONA VIRUS IS DEADLY PRIMARILY BECAUSE IT SPREADS INCREDIBLY QUICKLY AMONG HUMANS. AS A RESULT, IT CAN INFECT TOO MANY PEOPLE IN A SHORT PERIOD OF TIME. PEOPLE TO PEOPLE CONTACT IS PRIMARILY RESPONSIBLE FOR THE SPREADING OF THE VIRUS THROUGHOUT THE WORLD. MOST COUNTRIES SUSPENDED FLIGHTS TO AND FROM CHINA IN THE FIRST WEEK OF FEBRUARY. BUT BEFORE THAT THE DAMAGE HAS BEEN DONE. CHINESE PEOPLE SPECIALLY FROM WUHAN TRAVELLED TO

OTHER PARTS OF THE WORLD AND INCREASED THE NUMBER OF CASES IN A SHORT SPAN OF TIME. IT IS TO BE NOTED HERE THAT INFECTED PEOPLE TRAVELLED TO DIFFERENT COUNTRIES BUT THE LEVEL OF INFECTION IS NOT SAME EVERYWHERE. CONTROLLING A PANDEMIC LIKE COVID-19 REQUIRES SOUND ADMINISTRATIVE SKILLS, FORESIGHT, PREPAREDNESS AND A THOROUGH KNOWLEDGE OF ANTI EPIDEMIC MEASURES. IF ANY COUNTRY LACKS THOSE QUALITIES, ITS FIGHT AGAINST THE VIRUS BECOMES WEAK AND CONSEQUENTLY THE DEATH TOLL RISES DAY AFTER DAY.

WE KNOW THE PANDEMIC ORIGINATED IN CHINA BUT THE CHINESE GOVERNMENT MANAGED TO SUPPRESS COVID-19 THROUGHOUT CHINA BY APPLYING EXPERT AND DETERMINED MEASURES, BUT THEY FAILED TO RESTRICT THE TRANSMISSION OF THE VIRUS TO OTHER COUNTRIES. SOME OTHER ASIAN COUNTRIES SUCH AS SINGAPORE, HONG KONG, JAPAN, SOUTH KOREA, UAE, QATAR TOO SUCCESSFULLY SUPPRESSED THE SPREADING OF THE VIRUS IN THEIR OWN COUNTRIES BY SUCCESSFULLY APPLYING ANTI EPIDEMIC MEASURES AND EXPERT ADVICES.



SO, WHAT WENT WRONG IN SOME EUROPEAN COUNTRIES SUCH AS ITALY, SPAIN, FRANCE & UK ? WHY USA IS FACING DIFFICULTIES TO CHECK THE GROWING NUMBER OF INFECTIONS AND DEATH TOLL ?

IN THE BEGINNING, WHEN FEW REPORTS OF DEATHS DUE TO COVID-19 STARTED TO ARRIVE, SOME COUNTRIES SUCH AS GERMANY, NETHERLAND, UK, SWEDEN AND USA HAD CLUNG TO THE IDEA OF INTENTIONALLY LETTING THE VIRUS TO SPREAD AND INFECT AT LEAST A PART OF THE POPULATION SO THAT AN IMMUNITY DEVELOPS AMONG PEOPLE WHICH CAN FIGHT AGAINST SARS-COV-2. THIS IDEA WAS NAMED DEVELOPMENT OF HERD IMMUNITY AMONG MASSES. BUT OBSERVING THE HUGE NUMBER OF FATALITIES IN THESE COUNTRIES WE CAN CONCLUDE THAT 'HERD IMMUNITY' THEORY BOOMERANGED AND THEY HAD TO RESORT TO 'LOCK-DOWN' AND 'STAY IN HOME' ORDERS LATER.

AMONG EUROPEAN NATIONS, ITALY, SPAIN, FRANCE AND UK ARE WORST AFFECTED. MANY FACTORS ARE RESPONSIBLE FOR THIS. FIRST OF ALL THERE WAS A LACK OF SERIOUSNESS IN THE BEGINNING. THEY FAILED TO ESTIMATE THE DEADLINESS OF SARS-COV-2. THE INDECISIVENESS TO ADOPT SOCIAL DISTANCING MEASURES PAID THE PRICE. DELAYED DECLARATION OF THE DISEASE AS PANDEMIC BY WHO (DECLARED ON 11TH-MARCH) WAS ALSO UNIMAGINABLE AND UNTHINKABLE. SECONDLY MANY ASYMPTOMATIC TOURISTS FROM WUHAN VISITED NORTHERN ITALY IN THE MONTH OF JANUARY AND FROM THEM ASYMPTOMATIC TRANSMISSION OF THE VIRUS TO ITALIAN PEOPLE CAN'T BE RULED OUT. AGAIN THOUSANDS OF CHINESE MIGRANT WORKERS WHO WORKS IN THE NORTHERN AND CENTRAL ITALIAN TEXTILE INDUSTRIES, COULD BE THE POTENTIAL CARRIERS OF THE VIRUS TOO. THIRDLY INFECTED PEOPLE OF NORTHERN ITALY VISITED THE EUROPEAN SKI RESORTS ON WEEKENDS AND THAT MIGHT HAVE LED TO THE THE TRANSMISSION OF THE VIRUS TO OTHER EUROPEAN COUNTRIES FROM ITALY. FOURTHLY ON 19TH FEBRUARY, 2020 A CHAMPIONS LEAGUE FOOTBALL MATCH WAS HELD BETWEEN ITALY'S AT LANTA AND SPAIN'S VALENCIA IN SAN SIRO STADIUM OF MILAN, ITALY. ATLANTA WON THE MATCH AND FANS CELEBRATED THEIR WIN BY HUGGING AND KISSING IN THE COLD WEATHER AND THEY SPENT THE DAY CLOSELY TOGETHER. THAT NOT ONLY TRANSMITTED THE VIRUS AMONG ITALIAN FANS BUT TO A LARGE SECTION OF 2500 NUMBERED SPANISH FANS TOO.

UNITED STATES ON THE OTHER HAND WAS VERY MUCH CONFIDENT IN THE BEGINNING THAT THE DISEASE WOULD BE CONFINED WITHIN CHINESE TERRITORIES AND CHINESE GOVERNMENT WILL TACKLE IT

EFFICIENTLY. IN JANUARY 24, UANTHONY FAUCI, HEAD OF THE NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES COMMENTED " WE DON'T WANT THE AMERICAN PUBLIC TO BE WORRIED ABOUT THIS BECAUSE THEIR RISK IS LOW". FEW DAYS LATER, ROBERT REDFIELD, DIRECTOR OF CDC ( CENTRE OF DISEASE CONTROL AND PREVENTION) ECHOED THE VIEWS OF MR. FAUCI. EVEN US PRESIDENT, DONALD TRUMP ON FEBRUARY 26 SAID THAT " RISK TO THE AMERICAN PEOPLE IS VERY LOW". SO THIS OVERCONFIDENCE AND COMPLACENCY OF AMERICAN TOP RANKS PLAYED A MAJOR ROLE IN AMERICA'S DEBACLE TO HANDLE THE CRISIS. IN JANUARY 24, FIRST FEW CASES WERE REPORTED IN EUROPE AND ON JANUARY 31 PUBLIC HEALTH EMERGENCY WAS DECLARED AND QUARANTINE ORDER WAS GIVEN TO AMERICANS WHO HAD RECENTLY BEEN TO CERTAIN PARTS OF CHINA. BUT IT WAS A DELAYED ORDER AS SPREADING OF THE VIRUS ALREADY HAD BEGAN IN THE US. ON MARCH 11, IT WAS DECLARED THAT STRICT TRAVEL RESTRICTIONS WILL BE IMPOSED ON PASSENGERS ARRIVING IN THE US FROM HARD-HIT PORTIONS OF EUROPE AND THAT TOO WAS A DELAYED DECISION. THESE SERIES OF EVENTS CLEARLY INDICATE THE LACK OF FARSIGHTEDNESS AND INDECISIVENESS OF US ADMINISTRATION.

THIS WRITE UP WILL BE INCOMPLETE WITHOUT MENTIONING THE NAME OF IRAN, THE HARDEST HIT NATION OF ASIA. WHY IRAN FAILED TO TACKLE THE PANDEMIC ? SEVERAL REASONS ARE THERE SUCH AS..

- 1 ) CRITICAL ERRORS IN IRAN'S EARLY HANDLING OF THE HIGHLY INFECTIOUS VIRUS.
- 2 ) PROTECTIVE EQUIPMENT WAS LACKING DURING THE FIRST PHASE OF CRISIS.
- 3 ) DAYS AFTER IRANIAN AUTHORITIES BANNED FLIGHTS FROM CHINA IN EARLY FEBRUARY, MAHAN AIR, A PRIVATE AIRLINE OWNED BY IRAN'S REVOLUTIONARY GUARDS CONTINUED TO FLY ROUTES TO AND FROM CHINESE CITIES.

THOUGH THE FIRST WORLD COUNTRIES FAILED MISERABLY TO TACKLE SARS-COV-2, WE INDIANS ARE FIGHTING AGAINST IT VERY HARD. TILL NOW IN A VAST COUNTRY LIKE INDIA, THE SPREADING OF THE VIRUS IS CONTROLLED IN A DISTINCTIVE MANNER. WE HAVE SHOWN AND WILL CONTINUE TO SHOW THE REST OF THE WORLD OUR SINCERITY AND COMMITMENT TO THE BATTLE AGAINST THIS FIERCE GLOBAL ENEMY.



MR. SNEHABRATA BANERJEE &  
MRS. SUJATA DAS  
[ASSISTANT TEACHER, SCIENCE]





**WE** ARE ALL RUNNING. INFACT WE WERE RUNNING SHOULD BE MORE APT. NOW WE ARE ALL LIKE INVOLUNTARY MUSCLES. WE CAN'T DO OUR OWN THING AT OUR OWN WILL. THIS IS ALL DUE TO NOVEL CORONAVIRUS AROUND 212 COUNTRIES OF THE WORLD HAVE REPORTED A TOTAL OF MORE THAN 3.5MILLION OF CONFIRMED CASES OF COVID -19 WHOSE EPICENTRE WAS WUHAN OF THE HUBEI PROVINCE OF CHINA. USA, THE EUROPEAN NATIONS LIKE SPAIN, ITALY, UK, FRANCE, GERMANY TOGETHER WITH RUSSIA AND BRAZIL ARE THE MAIN NATIONS AFFECTED. COMING TO INDIA IT HAS RISEN TO 15TH MOST AFFECTED NATIONS WITH MORE THAN 42K PEOPLE AFFECTED WITH ROUGHLY A DEATH TOLL OF 14K PERSONS. ACCORDING TO W.H.O THE BASIC MEASURES NEEDED TO CONTROL THE PANDEMIC ARE :

- USE OF MASK SANITIZERS
- SOCIAL DISTANCING OF AT LEAST 6M
- IMMUNITY GROWTH
- LOCKDOWN

OF ALL THE METHODS ADOPTED, IT IS THE LOCKDOWN WHOSE IMPACT IS MOST VISIBLE TO US. I.M.F SAYS THE GLOBAL ECONOMY WILL SHRINK BY 3% THIS YEAR. INVESTORS FEAR THE SPREAD OF CORONA VIRUS WILL DESTROY ECONOMIC GROWTH AND GOVERNMENT ACTION MAY NOT BE ENOUGH TO STOP THE DECLINE. THE IMPACT OF THE PANDEMIC IS FAR MORE THAN THE IMPACT OF THE GREAT DEPRESSION IN 1929 IN USA WHICH EVENTUALLY LED TO THE BIRTH OF MODERN ECONOMY. BUSINESSES ARE COPING WITH LOST REVENUE AND DISRUPTED SUPPLY CHAIN AS FACTORY SHUTDOWN AND QUARANTINED MEASURE ARE SPREADING ACROSS THE GLOBE, THERE BY RESTRICTING MOVEMENT AND COMMERCE. UNEMPLOYMENT IS SKYROCKETING WHILE POLICY MAKERS ACROSS THE COUNTRIES ARE RACING TO IMPLEMENT FISCAL AND MONETARY MEASURE TO ALLEVIATE FINANCIAL BURDEN ON CITIZENS.

COMING TO INDIA, THE EFFECT IS FELT TO A LESSER EXTENT BECAUSE OF LESS NUMBER OF TESTS BEING DONE ON ASYMPTOMATIC CASES. THE FACTORS WHICH ARE HELPING INDIA TO SOME EXTENT ARE HOT TROPICAL CLIMATE, BCG VACCINE, A LARGE CHUNK OF YOUTH COMMUNITY AND BASIC HIGHER IMMUNITY OF THE POPULATION. IT IS ALL ABOUT THE SURVIVAL OF THE FITTEST. THE BASICS THAT ONE CAN DO FOR BETTER CHANCE OF SURVIVAL ARE TO DO EXERCISE, MAINTAIN MENTAL PEACE, EXPOSURE TO SUNLIGHT WHICH GIVES VITAMIN D AND MOST IMPORTANTLY TO KEEP THE BODY ACTIVE.

IT IS THE TIME TO THINK AND RE-SHAPE OUR LIVES. LIFE ITSELF HAS NO MEANING. IT'S AN OPPORTUNITY TO CREATE A MEANING. IT IS THE TIME FOR ALL OF US TO CONTRIBUTE IN OUR SMALL WAY TO GET OVER THE SITUATION BECAUSE -

WE FALL  
WE BREAK  
WE FAIL

BUT THEN

WE RISE  
WE HEAL  
WE OVERCOME.



**MRS. MUMMY PAL**  
[ASSISTANT TEACHER,  
SOCIAL SCIENCE]

## WAITING FOR THE NEW DAWN

TIME GOES ON, DAY PASSES ON.  
WATCHING MORNING NEWS IS LIKE WATCHING HORROR MOVIE.  
DEATH TOLL RISES, LOCK DOWN EXTENDS.  
PREPARATION FOR TAKING ONLINE CLASSES...  
TIME GOES ON.  
JAILED WITHIN FOUR WALLS,  
CARING FOR OUR NEAREST ONES,  
WATCHING THE GREENARIES,  
LISTENING TO CHIRPING OF BIRDS FROM THE TERRACE  
AND  
WATERING PLANTS....  
SOMEONE RINGS THE BELLS WHEN WORSHIPPING HIS GOD;  
WHO KNOWS WHAT HE PRAYS.  
TIME GOES ON AND ON...  
SUN FALLS ASLEEP;  
DARKNESS WRAPS THE EARTH;  
BOUNDLESS SILENCE....  
TIME GOES ON.  
WAKING UP WITH A NEW HOPE AND  
WITH A NEW DREAM IN A NEW MORNING....  
THE WORLD WILL BE FREE FROM DEMON "CORONA"..  
STAY SAFE, STAY WELL,  
STAY AT HOME.  
TIME MUST GO ON.



**MR. GAUTAM PAUL**  
[ASSISTANT TEACHER,  
MATHEMATICS]

## THE PROMOTION

FOR HIM IT WAS REALLY A BIG DAY.  
HE LOOKS AT THE MIRROR, AND THE MIRROR SAYS,  
"OH! CONGRATULATIONS, FINALLY YOU MANAGED THE PROMOTION,  
KEEPING ALL THE STRUGGLES AT BAY."  
YES, IT WAS NOT SO EASY.  
OFTEN HE HAD TO GO TOO FAR,  
TOO FAR. BUT, THOSE DON'T COUNT,  
CAUSE EVERYTHING IS FAIR IN LOVE AND PROMOTION WAR.  
RATHER, NOW THE FOCUS SHOULD BE ON HIS ATTIRE,  
THE WATCH, THE TIE, THE SHOES HE SELECTS TO WEAR.  
AFTER ALL, HIS LIFE WAS GOING TO CHANGE THE GEAR.  
SUDDENLY, THE MOBILE RANG,  
IT WAS THE BOSS CALLING,  
BUT THE RINGTONE SOUNDED LIKE A BANG,  
AND HE LOST CONTROL ON HIS ADRENALINE.  
SOMEHOW HE MANAGED, AND REPLIED- "HELLO."  
BUT, THE BOSS'S VOICE SEEMED FEEBLE AND LOW.  
"SORRY, THIS TIME THE PROMOTION DOESN'T COME YOUR WAY." AND  
THE ANNOUNCEMENT ALMOST TOOK HIS BREATH AWAY.  
THE BOSS KEPT ON ASKING- "HELLO? ARE YOU THERE?"  
BUT HIS SENSES WERE NUMBED, HE COULDN'T HEAR.  
WHEN THE CALL WAS ABOUT TO CUT,  
HE REPLIED IN HURRY, SAYING- "BUT, BUT,  
PLEASE NAME THE PERSON WHO WINS?"  
BOSS REPLIED- "HE IS A FUNNY GUY, HIS NAME IS COVID-19."  
HE- "COVID-119"???



**MRS. DEBAPRIYA DAS**  
[ASSISTANT TEACHER,  
ENGLISH]

## LIFE HAS TO GO ON

WHEN NATURE WAS DESTROYED ALL AROUND..  
NO MUSIC OF PEACE, BUT HONKING WAS THE ONLY SOUND...  
WHEN HUMANS WERE LEFT WITH HEARTLESS INHUMANITY...  
NO LOVE, BUT BRUTAL KILLING EVERYWHERE,  
WITH INSANITY...  
THEN CAME A LIVING BEING SO SMALL...  
THAT AFFECTED EVERY TINY AND TALL...  
AND THE WAR AGAINST CORONA STARTED...  
TO SAVE HUMANS, WHOM IT ONLY TARGETED..  
LOCKDOWN IS THE ONLY PREVENTION...  
DISCIPLINE IS THE ONLY SOLUTION...  
THERE IS NO USE OF BLAMING A PARTICULAR KINGDOM...  
WE'RE RESPONSIBLE FOR IT, THIS IS EXACTLY WISDOM...  
IT'S FINAL BLOW OF NATURE TO REPAIR ITSELF...  
LET EVERYONE LEARN FROM ONE'S MISTAKES ONE SELF...  
FIGHTING TOGETHER AGAINST IT, WE BECAME HUMAN AGAIN...  
PEACE AND UNITED WE STAND, TO CURE EVERY PAIN..  
NATURE IS HELPING HUMANITY AS CLEAN IS THE AIR AND GREEN IS THE LAWN...  
I HOPE THIS BEAUTY CONTINUES TO REMAIN AS LIFE HAS TO GO ON...



**MRS. ASHA ROY**  
[ASSISTANT TEACHER, HINDI]





## ECONOMIC IMPACT OF COVID-19

CORONA OR COVID -19 PANDEMIC IS THE DEFINING GLOBAL HEALTH CRISIS OF OUR TIME AND THE GREATEST GLOBAL HUMANITARIAN CHALLENGES THE WORLD HAS FACED SINCE WORLD WAR 2. ALONG WITH AN UNPRECEDENTED HUMAN TOLL, COVID-19 HAS TRIGGERED A DEEP ECONOMIC CRISIS. THIS OUTBREAK CAME AT A TIME WHEN INDIA'S ECONOMY WAS ALREADY SLOWING, DUE TO PERSISTENT FINANCIAL SECTOR WEAKNESS. INDIA HAS MOVED QUICKLY, IMPLEMENTING A PROACTIVE, NATIONWIDE LOCKDOWN BUT THE ECONOMIC FALLOUT OF THIS UNPRECEDENTED LOCKDOWN HAS BEEN DIRE. BUSINESSES HAVE CLOSED, UNEMPLOYMENT HAS RISEN, AND PRODUCTIVITY HAS FALLEN. TO AN ECONOMY PASSING THROUGH DEMAND-DEPRESSION AND HIGH UNEMPLOYMENT, THE LOCKDOWN WOULD ADD SUPPLY SIDE STRESS, ACCELERATING THE SLOWDOWN FURTHER. SOME OF THE STRONGEST ECONOMIES OF THE WORLD ARE STRUGGLING TO COPE UP WITH THE SITUATION IN THE WAKE OF AN UNPREDICTABLE DEMAND SHOCK AND SHUTDOWN OF ALL KEY ECONOMIC ACTIVITIES THAT DRIVE GROWTH.

### IMPACT AT MACRO LEVEL ☒ EFFECT ON OVERALL GDP AND EMPLOYMENT

THE IMF ON 14TH APRIL,2020 UPDATED ITS OBSERVATIONS INDICATING THAT THE GLOBAL ECONOMY IS EXPECTED TO EXPERIENCE ITS WORST RECESSION SINCE THE "GREAT DEPRESSION." IT ANALYSED THE EFFECTS OF COVID-19 AND PROJECTED THAT THE WORLD ECONOMY MAY CONTRACT UP TO 1%. THIS WOULD RESULT IN DECLINE IN GDP GROWTH.

IN INDIA GDP GROWTH IS ALREADY AT A DECADAL LOW AND ANY FURTHER DENT IN ECONOMIC OUTPUT WILL BRING MORE PAINS TO WORKERS.



ACCORDING TO WORLD BANK'S ASSESSMENT, INDIA IS EXPECTED TO GROW 1.5 PERCENT TO 2.8 PERCENT AND IMF PROJECTED A GDP GROWTH OF 1.9 PERCENT OF INDIA IN 2020 BECAUSE THE GLOBAL ECONOMY IS AFFECTED BY THE COVID -19 PANDEMIC. ALSO, WE CAN'T IGNORE THAT THE LOCKDOWN IN INDIA WILL HAVE A SIZEABLE IMPACT ON THE ECONOMY MAINLY ON CONSUMPTION WHICH IS THE BIGGEST COMPONENT OF GDP.



**IMPACT ON EMPLOYMENT –** ANOTHER PROBLEM, UNEMPLOYMENT HAD ALREADY KNOCKED THE DOORS OF OUR COUNTRY. THE IMPACT IS LIKELY TO HIT HARD ON THE MIDDLE AS WELL AS LOW INCOME EARNERS, PARTICULARLY THOSE WHO DO NOT HAVE ACCESS TO HEALTH AND SOCIAL PROTECTION. THE RISK OF LOSING JOBS IS MORE PREVALENT IN MIGRANT WORKERS AND THIS WOULD CAUSE THE WORLD ECONOMY TO FALL DRASTICALLY DUE TO SHORTAGE OF LABOUR.

THE UNITED NATIONS DECLARED THAT DUE TO COVID-19 CRISIS THERE WILL BE 'A HUGE FIGHT AGAINST POVERTY AND THE HIGH LEVELS OF INEQUALITY IN WEALTH ACCUMULATION AMONG COUNTRIES WILL ACCELERATE.'

TO COMBAT WITH COVID-19 AND TO SAVE LIVES OF THE CITIZENS THE INDIAN GOVERNMENT CALLED FOR A NATIONWIDE LOCKDOWN UP TO 3RD MAY 2020. INDUSTRIAL SURVEY CARRIED OUT SHOWS THAT INDUSTRIES ARE GRAPPLING WITH TREMENDOUS UNCERTAINTY ABOUT THE FUTURE.

**THE MOST AFFECTED AREA IS INFORMAL SECTOR.** ABOUT 400 MILLION INDIANS WORKING IN THE INFORMAL SECTOR ARE AT POTENTIAL RISK TO SINK INTO POVERTY. THE PRESSURES ON INDIA'S INFORMAL ECONOMY AND DAILY-

WAGE EARNERS ARE MANIFOLD. EVEN THOUGH THE GOVERNMENT HAS ANNOUNCED A RS 1.7 LAKH CRORE RELIEF PACKAGE UNDER THE PRADHAN MANTRI GARIB KALYAN YOJANA FOR MIGRANT WORKERS AND THOSE BELOW THE POVERTY LINE, THIS SITUATION IS EXPECTED TO WORSEN NOW THAT THE LOCKDOWN IS EXTENDED TILL MAY 17, 2020.

LABOUR FORCE SURVEYS INDICATE THAT 37 PERCENT OF SALARIED EMPLOYEES IN URBAN INDIA ARE INFORMAL WORKERS ENGAGED IN NONAGRICULTURAL SECTORS. THEY ARE FACED WITH UNCERTAINTIES AND JOB LOSSES DUE TO THE COMPLETE STALLING OF INDUSTRIAL AND ECONOMIC ACTIVITY IN PLACES LIKE MAHARASHTRA, GUJARAT, DELHI, PUNJAB, AND RAJASTHAN.

PROMINENT ECONOMISTS IN INDIA ARE OF THE OPINION THAT UNEMPLOYMENT RATES IN INDIA SPIKED UP IN THE MONTH OF APRIL AND IF THE SITUATION IS NOT UNDER CONTROL, THE CONDITION IS EXPECTED TO WORSEN AS FIRMS ARE LOOKING FOR REDUCTION IN MAN-POWER .



### IMPACTS AT MICRO LEVEL

#### SECTOR WISE IMPACT OF CORONA VIRUS ON INDIAN ECONOMY

SURVEYS CONDUCTED SHOWS THAT THE WORST AFFECTED SECTORS WOULD BE: -

**PHARMACEUTICALS INDUSTRY –** DESPITE BEING ONE OF THE TOP FORMULATIONS OF DRUG EXPORTERS IN THE WORLD, THE PHARMA INDUSTRY OF INDIA RELIES HEAVILY ON IMPORT AS OF BULK DRUGS. DUE TO THE CORONAVIRUS OUTBREAK, IT WILL ALSO BE IMPACTED. **TOURISM AND AVIATION –** DUE TO THE CORONAVIRUS OUTBREAK, THE INFLOW OF TOURISTS FROM CHINA AND FROM OTHER EAST ASIAN REGIONS TO INDIA WILL LOSE THAT WILL IMPACT THE TOURISM SECTOR AND REVENUE. **MAKEMYTRIP CO-FOUNDER AND CEO DEEP KARLA** IN A RECENT GROUP INTERACTION TOLD INDIA TODAY TV THAT THE TOURISM SECTOR WAS THE FIRST TO GET DISRUPTED BY THE IMPACT OF COVID-19. THE CRUCIAL AVIATION SECTOR THAT CONNECTS NATIONS ACROSS THE WORLD IS WITNESSING A FLURRY OF LAYOFFS AND PAY CUTS. SOME WORKERS HAVE BEEN ASKED TO GO ON FORCED UNPAID LEAVES BY AVIATION COMPANIES, WHO HAVE BEEN HIT EQUALLY HARD AS THE TOURISM AND HOSPITALITY SECTOR.

**ELECTRONICS INDUSTRY –** THE MAJOR SUPPLIER IS CHINA IN ELECTRONICS BEING A FINAL PRODUCT OR RAW MATERIAL USED IN THE ELECTRONIC INDUSTRY. INDIA'S ELECTRONIC INDUSTRY MAY FACE SUPPLY DISRUPTIONS, PRODUCTION, REDUCTION IMPACT ON PRODUCT PRICES DUE TO HEAVY DEPENDENCE ON ELECTRONICS COMPONENT SUPPLY DIRECTLY OR INDIRECTLY AND LOCAL MANUFACTURING.

**AGRICULTURAL SECTOR–** IT IS MOST UNFORTUNATE THAT THE LOCKDOWN HAS BEEN ANNOUNCED AT A TIME WHEN THE CROPS ARE READY TO BE HARVESTED. THE LACK OF LABOUR, LACK OF TRANSPORT, LACK OF ACCESS TO MARKET WILL CAUSE A MAJOR SETBACK TO THIS SECTOR.

**REAL ESTATE –** DUE TO DEMONETISATION, GST, THIS SECTOR WAS ALREADY IN PROLONGED SLOWDOWN AND PRICES FOR PROPERTIES WILL COME DOWN. THE COMMERCIAL REAL ESTATE SECTOR MIGHT SLIP DOWN BECAUSE A LOT OF COMPANIES WILL REALIZE THAT SINCE THEY ARE TELLING THEIR EMPLOYEES TO WORK FROM HOME SO WHY WILL THEY BEAR THE RENT OF OFFICE.

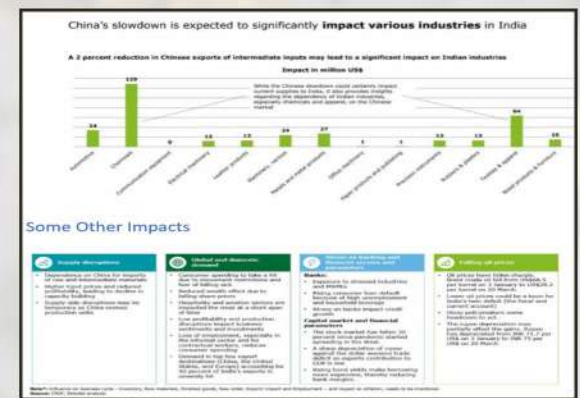
**CHEMICAL INDUSTRY –** SOME CHEMICAL PLANTS HAVE BEEN SHUT DOWN IN CHINA. SO, THERE WILL BE RESTRICTIONS ON SHIPMENTS. IT WAS FOUND THAT 20% OF THE

PRODUCTION HAS BEEN IMPACTED DUE TO THE DISRUPTION IN RAW MATERIAL SUPPLY.

**SHIPPING INDUSTRY –** CORONAVIRUS OUTBREAK HAS IMPACTED THE BUSINESS OF CARGO MOVEMENT SERVICE PROVIDERS. AS PER THE SOURCES, PER DAY PER VESSEL HAS DECLINED BY MORE THAN 75-80% IN DRY BULK TRADE.

**AUTO INDUSTRY –** ITS IMPACT ON INDIAN COMPANIES WILL VARY AND DEPEND UPON THE EXTENT OF THE BUSINESS WITH CHINA. CHINA'S BUSINESS NO DOUBT IS AFFECTED. HOWEVER, CURRENT LEVELS OF THE INVENTORY SEEM TO BE SUFFICIENT FOR THE INDIAN INDUSTRY. IF THE SHUTDOWN IN CHINA CONTINUES THEN IT IS EXPECTED TO RESULT IN AN 8-10% CONTRACTION OF INDIAN AUTO MANUFACTURING IN 2020. THE AUTOMOBILE SECTOR IN INDIA HAS BEEN FORCED TO STOP KEY MANUFACTURING ACTIVITY AND HAS LED TO A SHARP DROP IN PRODUCTION AND SALES.

WITH MOST OF THE PLANTS SHUT, BIG AUTOMOBILE MANUFACTURING COMPANIES HAVE ANNOUNCED PAY CUTS AND ARE WAITING FOR A DECISION ON RESUMPTION OF DEALERSHIPS.



### CONCLUSION

IN DEVELOPING COUNTRIES LIKE INDIA, MANY SECTORS HAVE URGED THE GOVERNMENT TO PROVIDE RELIEF PACKAGES IN WAKE OF THE RAPIDLY SPREADING COVID-19 PANDEMIC THAT DERAILED THE ECONOMY IN ORDER TO SAVE THEM FROM BANKRUPTCY. ALSO, THE GOVERNMENT MAY ADOPT THE FOLLOWING STEPS:

- IMPLEMENT EITHER ZERO RATE INTEREST POLICY OR NEGATIVE INTEREST RATE POLICY.
- ☒ INCREASE THE MONEY FLOW IN THE INDIAN MARKET BY VARIOUS MEANS.
- ☒ SHOULD MAKE SUCH POLICIES TO INCREASE EMPLOYMENT OR PERSONAL DISPOSABLE INCOME OF PERSON.
- SHOULD PROVIDE ALL NECESSARY SUPPORT TO MSME, SMALL BUSINESS, ETC.

SO AS A PREVENTIVE MEASURE, TO STOP INDIAN ECONOMY FROM ENTERING INTO STAGNATION , THE GOVERNMENT OF INDIA HAS EXEMPTED AGRICULTURE AND ITS ASSOCIATED SECTORS AND SOME OF THE COTTAGE AND SMALL SCALE INDUSTRIES SO THAT THEY CAN CARRY OUT THEIR PRODUCTION AND KEEP THE INDIAN ECONOMY MOVING EVEN IN THIS PHASE OF LOCKDOWN.

SEVERAL FISCAL AND MONETARY MEASURES MUST BE ANNOUNCED URGENTLY BY THE GOVERNMENT. INDIA BEING THE FIFTH LARGEST ECONOMY IN THE WORLD CANNOT BE FOUND LAGGING FAR BEHIND IN TAKING RECTIFYING ACTIONS ON TIME TO PREVENT THE GRAVE ECONOMIC CRISIS THAT IS ON THE HORIZON.

#### -REPORT & STATISTICAL DATA BY



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## করোনা আতঙ্ক, গৃহবন্দি, কিছু অভিজ্ঞতা / রূপক সামন্ত (শিক্ষক, পদার্থবিদ্যা)

আমি, শ্রী রূপক সামন্ত, গত বারো বছরেরও বেশি সময় ধরে হুগলি জেলার রিষড়ায় অবস্থিত 'আদিভা বিড়লা বাণী ভারতী'-ইংরেজি মাধ্যম বিদ্যালয়ে শিক্ষকতা করছি। আমি উচ্চমাধ্যমিক স্তরে পদার্থবিজ্ঞান, মাধ্যমিক স্তরে প্রকৃতিবিজ্ঞান এবং পঞ্চম ও ষষ্ঠ শ্রেণীতে গণিত পড়াই। হুগলি জেলারই বিখ্যাত শৈবতীর্থ তারকেশ্বরে আমার বাসস্থান। তারকেশ্বর থেকে রিষড়া রেলপথে চুয়াল্লিশ কিলোমিটার দূরে অবস্থিত। যাতায়াতের প্রধান মাধ্যম, বলতে গেলে প্রায় একমাত্র মাধ্যম এই রেলপথ।

করোনা ভাইরাসের কথা গত বছরের (২০১৯ খ্রি.) নভেম্বর মাস থেকে একটু একটু জানতে পারছিলাম। সংবাদপত্র, দূরদর্শনের সংবাদ ও ফেসবুক জাতীয় সামাজিক মাধ্যমে কিছু কিছু সংবাদ প্রকাশিত হচ্ছিল। আমরা প্রায় কেউই সেভাবে গুরুত্ব দিই নি। এ বছরের ফেব্রুয়ারি মাসের শেষের দিকে চীনের ইউহান প্রদেশের করোনা-মহামারি যখন সামনে এলো তখনও সেভাবে গুরুত্ব দিই নি। মার্চ মাসের মাঝামাঝি সময়ে ইতালিতে যখন করোনা মহামারি রূপে দেখা দিল, রাস্তায় পড়ে থাকা অসংখ্য মৃত মানুষের ছবি যখন দেখতে পাওয়া গেলো, তখন আমরা নড়েচড়ে বসলাম। আমাদের প্রধানমন্ত্রী ২২শে মার্চ, রবিবার, জনতা-কারফিউ ঘোষণা করলেন। আমাদের স্কুলও ৩০শে মার্চ পর্যন্ত বন্ধ থাকবে, এমন সিদ্ধান্ত নেওয়া হল। আর জনতা-কারফিউ এর পরের দিন থেকেই কেন্দ্রীয় ও রাজ্য সরকার লকডাউন ঘোষণা করলেন। সেই থেকে গৃহবন্দি হয়ে আছি। প্রতিদিন নিয়ম করে ছাত্র-ছাত্রীদের জন্য নোট লিখেছি। এপ্রিল মাসে, প্রথমে হোয়াটস অ্যাপ গ্রুপে ও ১৫ এপ্রিল থেকে 'জুম প্ল্যাটফর্ম'এ ক্লাস শুরু হয়েছে। সেইসব ক্লাসে রুটিন অনুযায়ী পড়ছি। আমাদের নতুন প্রিন্সিপ্যাল গৌতম সরকার স্যার, প্রতিদিন বিকাল ৪ টায় প্রাথমিক স্তরের এবং সন্ধ্যা ৫ টায় মাধ্যমিক স্তরের শিক্ষক-শিক্ষিকাদের সাথে ভিডিও-কনফারেন্স করে নানা বিষয় আলোচনা করছেন, উৎসাহ দিচ্ছেন। সেইমত আমরা, সকল শিক্ষক-শিক্ষিকারা নিজেদের কাজ করে যাচ্ছি। তবে নেটওয়ার্কের দুর্বাবস্থায় এই উদ্যোগ মাঝেমাঝেই বিঘ্নিত হয়েছে। এসব তো আমার পেশাগত দায়িত্ব ও কর্তব্য।

এবার একটু অন্য কথা বলি। তারকেশ্বর নামক ছোট নগরটি একটি গ্রামীণ পৌরসভা। পৌরসভা অঞ্চলের মধ্যেই অনেক কৃষিজমি আছে। এখানে একটি গ্রামীণ হাসপাতাল ও একটি কলেজ আছে। ছাত্রদের জন্য আছে উচ্চমাধ্যমিক স্তরের তারকেশ্বর উচ্চ-বিদ্যালয়। এই বিদ্যালয়ের উচ্চমাধ্যমিক স্তরে ছাত্র ও ছাত্রী উভয়েই পড়তে পারে। ছাত্রীদের জন্য আছে তারকেশ্বর উচ্চ বালিকা বিদ্যালয়। আর আছে কেবলমাত্র উচ্চমাধ্যমিক স্তরের তারকেশ্বর মহাবিদ্যালয়। এসবই বাবা তারকনাথের দেবোত্তর জমিতে গড়ে উঠেছে। এছাড়া আরও কয়েকটি বিদ্যালয় আছে এখানে। লকডাউনে সব বিদ্যালয়েই পড়াশোনা বন্ধ। হাতেগোনা কয়েকটি কলেজ ও বিদ্যালয়ে অনলাইন পড়াশোনার ব্যবস্থা চালু হয়েছে। আর উচ্চমাধ্যমিক পরীক্ষার্থীরা, যাদের আর দু'টি / তিনটি পরীক্ষা বাকি ছিল, তারা একেবারে হতাশ হয়ে পড়েছে। আমার পুত্রও আছে এই দলে। যে উদ্যম ও অধ্যবসায় নিয়ে এরা পরীক্ষার মাস ছয়েক আগে থেকে প্রস্তুতি নিয়েছিল তা আর ধরে রাখতে পারছে না। এরা জীবনের পথে অনেকখানি সময় পিছিয়ে গেলে।

তারকেশ্বরের স্থানীয় অর্থনীতির মূল স্তম্ভ দুটি--১. বাবা তারকনাথ এবং ২. কৃষিজ সম্পদ, বিশেষতঃ আলু। বাবা তারকনাথের কাছে সারাবছরে কয়েক কোটি ভক্ত মানুষ আসেন। বিশেষ করে প্রতি রবিবার ও সোমবার অসংখ্য মানুষ পূজা দিতে আসেন। আর শ্রাবণ মাস জুড়ে শ্রাবণী মেলা চলে। চৈত্র মাসে গাজন-সন্ন্যাস উপলক্ষে লক্ষ লক্ষ মানুষ এখানে আসেন। মেলা বসে। আর হয় শিবরাত্রির মেলা। এইসব মিলিয়ে বাবা তারকনাথ নিজেই এক গ্রামীণ ইন্ডাস্ট্রি। এই মন্দিরের কারণে তারকেশ্বর শহর, আশপাশের গ্রামগুলির এবং মেলাতে পসরা নিয়ে আসা রাজ্যের অন্যান্য জেলার অগুস্তি মানুষ ও পরিবারের সারাবছরের অন্ন-সংস্থান হয়। এ বছরের ২৩শে মার্চ, সোমবার ছিল লকডাউনের প্রথম দিন। এদিনটিই ছিল চৈত্র মাসের প্রথম সোমবার। এদিন তারকনাথের মন্দির খোলা থাকায় নানা জেলা থেকে 'গাজন-সন্ন্যাস ব্রত' নিতে বহু মানুষ এসেছিলেন। তার পরদিন থেকেই মন্দির বন্ধ হয়ে যায়। গাজনমেলাও হয় নি। ফলে কয়েক হাজার পরিবার হঠাৎই কর্মহীন হয়ে পড়ে। হঠাৎ করেই এই অঞ্চলের অর্থনীতির মূল স্তম্ভটি ভেঙে পড়ায় সামগ্রিক অর্থনীতির কাঠামোটিই ভেঙে পড়েছে। আবার প্রায় সব দোকানই বন্ধ হয়ে যাওয়ায় এসব দোকানের মালিক, কর্মচারি, অর্ডার সাপ্লায়ার- এরকম অনেক মানুষ উপার্জনহীন ও কর্মহীন হয়ে পড়েছেন। বর্তমানে হাওড়া-তারকেশ্বর রেলপথ গোঘাট পর্যন্ত বন্ধিত হয়েছে। গোঘাট, আরামবাগ প্রকৃতি অঞ্চল থেকে বহু মানুষ নানা জায়গায় বিভিন্ন ছোটবড় কারখানায়, দোকানে কাজে যেতেন। রেলপথ বন্ধ হওয়ায় তাঁরাও বেকার হয়ে গেছেন। রেলপথে বহু মানুষ চিকিৎসার জন্য কলকাতা, হাওড়া যেতেন। তাঁরাও আর যেতে পারছেন না। রিক্সাচালক, অটোচালক ও টোটোচালকরা বেকার হয়ে পড়েছেন। যাঁরা ছাত্র পড়িয়ে সংসার চালাতেন তাঁরাও আজ বেকার, উপার্জনহীন। এরকম এক প্রায় সার্বিক অচলাবস্থা আগে কেউই দেখেন নি। পুনরায় কবে যে সব ঠিক হবে তাও কেউ জানেন না।

তারকেশ্বর বছর তিরিশ আশেও ছিল পাট উৎপাদনের অন্যতম প্রধান কেন্দ্র। চটকলগুলি ধীরে ধীরে বন্ধ হতে থাকায় পাটচাষও কমে আসে। সেই জায়গাটি অধিকার করে আলু। আলুই বর্তমানে এখানকার প্রধান অর্থনৈতিক ফসল। তারকেশ্বরেই দেশের মধ্যে প্রথম 'অনলাইন আলু ট্রেডিং' শুরু হয়েছিল। আমাদের বর্তমান মুখ্যমন্ত্রী কেন্দ্রীয় রেলমন্ত্রী থাকার সময় তারকেশ্বর থেকে মালগাড়ি-রেকের মাধ্যমে অন্যান্য রাজ্যে আলু পরিবহনের ব্যবস্থা চালু হয়েছিল। লকডাউনে এই ব্যবস্থা বন্ধ আছে। ধান, তিল, বাদাম ও কাঁচা আনারের জন্যও হুগলি জেলা তথা তারকেশ্বর বিখ্যাত। গত দু'বছর চাষিরা আলুর দাম মোটেও পান নি। চাষের খরচটুকুও ওঠে নি। এ বছর আলুচাষ শুরুর মরসুমে বৃষ্টি হওয়ায় চাষ শুরু হতে দেরি হয়েছে। ফলে আলুর উৎপাদন অনেক কম। তাহলেও জমিতেই আলুর ভালো দাম থাকায় (প্রতি ৫০ কেজির বস্তায় ৫৫০-৬৩০ টাকা) চাষিরা এ'বার একটু লাভের মুখ দেখেছেন। লকডাউনে কৃষিক্ষেত্রে ছাড় থাকায় এবং সড়কপথে আলু পরিবহনে ছাড় থাকায় এই ক্ষেত্রে জড়িত শ্রমজীবী মানুষদের আয়ের উপর বিশেষ কোপ পড়েনি। আলুর বাছনদার, ট্রাকে তোলা মজদুর, হিমঘরের মুটিয়া-মজদুর এঁরা একইভাবে কাজ করে চলেছেন। ফলে লকডাউনের নিয়ম এ'ক্ষেত্রে মানা সম্ভব হয় নি। তারকেশ্বর স্টেশন চত্বরেই আমতলায়, প্রতিদিন ভোর থেকে কাঁচা সবজির পাইকারি বাজার বসে।

এই বাজার থেকেই কাঁচা সবজি ভোরের রোলে আশপাশের জেলাগুলোতে ছড়িয়ে পড়ে। লকডাউনে সেই পাইকারি বাজার বন্ধ হতে বেশ কিছু চাষি পরিবারের আয় কমেছে। তবে এই আমতলাতেই প্রতিদিনকার বাজার নিয়মিতই বসছে। মন্দির সংলগ্ন প্রধান বাজার এবং স্টেশন চত্বরের সান্না-বাজার রোজই বসেছে। মানুষজন ভিড় করে কিনেছেন। মুখে মাস্ক পরলেও বা রুমাল বাঁধলেও গায়ে-গা-লাগা ভিড়ে ন্যূনতম দূরত্ব বজায় থাকে নি। আর বাজারের জিনিসপত্রের দাম খুব একটা কমে নি বা বাড়ে নি। মাছের বাজারেও যথারীতি ঠাসা ভিড়। খাসির ও মুরগির মাংসের দোকানে রবিবারে লম্বা লাইন পড়েছে। খাসির মাংস ৬০০ টাকা প্রতি কেজি বিক্রি হয়েছে। সম্প্রতি দাম একটু বেড়ে হয়েছে ৬২০-৫০০ টাকা প্রতি কেজি। মুরগির মাংস ১৫০-১৬০ টাকা প্রতি কেজি বিক্রি হচ্ছে। মাছের দামও কমে নি বা খুব একটা বাড়ে নি। এককেজির কম ওজনের গোটা রুইমাছ মোটামুটি ১৮০-২০০ টাকা কেজি দরে বিক্রি হচ্ছে। এইসব দোকানে বা মাছবাজারে কোনও ন্যূনতম দূরত্ব বজায় থাকে নি। প্রধান বাজারের অনেক গোলদারি দোকানে মুদিখানার সামগ্রী কেনার জন্য ভিড় উপচে পড়েছে। এ'খানেও করোনা-বিধি লঙ্ঘিত হয়েছে। এইসব বাজারে যাঁরা সবজি, মাছ, মুরগি নিয়ে বসেন তাঁরা অধিকাংশই আশপাশের গ্রামের মানুষ। কাজেই বিস্তীর্ণ এলাকা জুড়ে সংক্রমণের ভয় থেকেই যাচ্ছে। ওষুধের দোকানগুলিতে অবশ্য বিধিসম্মত দূরত্ব কিছুটা হলেও মানা সম্ভব হয়েছে। গোয়ালারা বাড়ি বাড়ি দুধ দিচ্ছেন। বাড়ির ঠিকে কাজের লোককে অনেক পরিবারই প্রথমদিকে সবেতন ছুটি দিয়েছিলেন। তবে ওঁরা যে কাজগুলো করেন, বাড়ির লোকেরা সেইসব কাজে অভ্যস্ত না থাকায়, এক সপ্তাহ বা দশদিন পর ঠিকে কাজের লোকেরা পুনরায় আসছেন। এঁরা প্রত্যেকেই পরপর কয়েকটি পরিবারে কাজ করেন। প্রথমদিকে দিনকয়েক খবরের কাগজ আসা বন্ধ থাকলেও আবার তা চালু হয়েছে। এ'খানে কাগজ আসে কলকাতা থেকে, যা করোনা-আক্রান্তের সংখ্যার দিক থেকে 'রেড জোন'। মুদিখানার সামগ্রী, টাকাপয়সা-তো নানা হাত ঘুরে আমাদের কাছে আসছে। আবার অনেকেই পরিস্থিতি কেমন তা বোঝার জন্য, কোনও নিয়ম না মেনে, সাইকেলে বা মোটরসাইকেলে টহল দিয়ে বেড়াচ্ছে। এইসব দিকগুলি থেকে সংক্রমণের বিশাল সম্ভাবনা থেকেই যাচ্ছে। আজই তারকেশ্বরে পৌরসভার পক্ষ থেকে মাইকে করে সতর্কতা জারি করা হয়েছে। তারকেশ্বরে যেক'টি নার্সিংহোম আছে সেগুলি মূলতঃ প্রস্তুতিসদন। স্থানীয় ডাক্তারবাবুরা সংক্রমণের ভয়ে চেয়ারে বসছেন না। এ'খানে হুগলির নানা জায়গা থেকে এবং কলকাতা, হাওড়া, অন্যান্য জেলাগুলি থেকে অনেক ডাক্তারবাবু সপ্তাহে একদিন-দুদিন এসে চেয়ার করতেন। সে'সব এখন বন্ধ। ফলে সাধারণ রোগে চিকিৎসা পাওয়া দুষ্কর হয়ে উঠেছে। ছোট গ্রামীণ হাসপাতালটির উপর চাপ বেড়েছে। রেল ও সড়ক পরিবহন বন্ধ থাকায় চিকিৎসার জন্য কলকাতা, হাওড়া, আরামবাগ বা বর্ধমানে যাওয়া যাচ্ছে না। এই সমস্যা সর্বত্রই হয়েছে। দিন পাঁচেক আগে সন্তোষপুর গ্রাম থেকে প্রিয় কবিভাই চলভাবে জানালো যে বাঁকুড়া সদর শহরে আরেক প্রিয় কবিভাই, অধ্যাপক কৃষ্ণ মন্ডলের শিশুকন্যার অ্যাকিউট লিউকেমিয়া ধরা পড়েছে। গাড়ি না পাওয়ায় কলকাতায় হাসপাতালে নিয়ে যেতে পারছে না। বাঁকুড়ায় আমার বেশকিছু চেনা-পরিচিত মানুষজন থাকা সত্ত্বেও আমার পক্ষে কিছু করা সম্ভব হয় নি। লকডাউনের প্রথম দিকে তারকেশ্বরে হ্যান্ড-ওয়াশ, স্যানিটাইজার, মাস্ক- এসব পাওয়া যাচ্ছিল না। তবে এখন সবই পাওয়া যাচ্ছে। আমার পরিবারে অবশ্য প্রথম থেকেই আমাদের বিদ্যালয়ের রসায়নাগারে তৈরি স্যানিটাইজার ব্যবহার করছি। আর লকডাউন শুরুর কয়েকদিন পর অনেক খুঁজে কয়েকটি সাধারণ মাস্ক জোগাড় করতে পেরেছি।

এ'বার চারপাশের গ্রামগুলির কথা যতটা জানতে পেরেছি তা বলি। তারকেশ্বর স্টেশন থেকে তিন কিমি দূরে সন্তোষপুর গ্রাম-পঞ্চায়তের অন্তর্গত 'চাঁদুর' গ্রামে আমাদের আদি নিবাস। সেই বাড়িতে যাতায়াত থাকলেও আজ আর কেউ রাত্রি বাস করে না। পারিবারিক সূত্রে পাওয়া অল্প কিছু চাষজমি আছে। এসব দেখাশোনা করার জন্য পাড়ারই একটি পরিবারকে দায়িত্ব দেওয়া আছে। সেই পরিবারের একজন যুবক, নির্মল জানা, বাড়িতে বাড়িতে জানালার কাচ লাগানোর কাজ করায় প্রায়দিনই তারকেশ্বরে আসে। তাকে বলে দিলে আসার সময় আমাদের জন্য কিছু কাঁচাবাজার এনে দেয়। তার মুখ থেকে যা শুনছি তাতে মনে হয়েছে যে গ্রামে কেউই করোনা-বিধি মেনে চলছেন না। মূলতঃ কৃষিজীবী গ্রাম হওয়ায় সবাই প্রায় চাষের কাজে ব্যস্ত। অবসর সময়ে আগের মতই পাশাপাশি বসে গল্পগুজব করছেন। মাস্ক বা স্যানিটাইজার ব্যবহার করা এ'খানে পাগলামির সমান। সাবানও প্রায় কেউই তেমনভাবে ব্যবহার করেন না, এখনও করেন না। ছেলেরা বিকেলে মাঠে একসাথে খেলাধুলা করছে। চাষিরা কাঁচা আনা নিয়ে বাজারে আসছেন। আলু, ধান এসব কেনাবেচাও চলছে। পাশের সন্তোষপুর গ্রামের কুমোরপাড়ায় একটি চপ-তেলেভাজার দোকান আছে। সে'টিতে লোকে লাইন দিয়ে তেলেভাজা কিনছে। এইসব গ্রামের অনেকেই বাড়িতে ভাজা মুড়ি তারকেশ্বরের মুদিখানাগুলিতে সরবরাহ করেন। তাঁরা সেই কাজ করছেন। অনেকে সাইকেলে করে লোকের বাড়িতে দামোদরের বালি, ইট-এ'সব ইমারতি দ্রব্য বয়ে দিয়ে আসে। লকডাউনের প্রথমদিকে এঁরা এই কাজ করতেন দেখেছি। এখন মনে হয় বন্ধ হয়েছে। ফলে এঁদের উপার্জনও বন্ধ হয়েছে। আলুচাষের মরসুমে বাঁকুড়া, পুরুলিয়া-মূলতঃ বাঁকুড়া জেলা থেকে বহু গরিব মানুষ 'পুবে খাটতে' আসেন। এ'রকম খাটতে আসা মানুষের সংখ্যাটা কয়েক হাজার। আলু উঠে গেলে এবং তিল, বাদাম এসব চাষ শুরু হলে এঁরা বাড়ি ফিরে যান। এ'বার আলু ওঠার পরেই লকডাউন শুরু হওয়ায় এঁরা বাড়ি ফিরতে পারেন নি। এ'সময়ে এঁরা চাষের জমিতে কাজও পান নি। ফলে আলুচাষের সময় যতটুকু উপার্জন হয়েছিল তাই দিয়েই কোনও রকমে চালিয়েছেন। দিন তিনেক আগে (১৯ বা ২০ এপ্রিল) প্রশাসনের উদ্যোগে কয়েকটি বাস রিজার্ভ করে এঁদের বাড়ি পাঠানোর ব্যবস্থা করা হয়েছে। আমাদের চাঁদুর গ্রামে বাংলা নববর্ষের দিন পুকুরে জাল ফেলে মাছ ধরার রেওয়াজ আছে। এবছরও নববর্ষের দিন (১৪ ই এপ্রিল) আমাদের গ্রামে পুকুরে মাছ ধরা হয়েছে। গ্রামে খাসিও কাটা হয়েছে। প্রতি কেজি ৬২০ টাকা দরে সেই মাংস গ্রামের মানুষরাই কিনেছেন।

ভঞ্জপুর গ্রাম-পঞ্চায়তের অন্তর্গত 'সৈতা' গ্রামের মানুষজন মূলতঃ মন্দিরের উপর নির্ভরশীল। মন্দির বন্ধ হয়ে যাওয়ায় এঁরা বেকার হয়ে গেছেন। দিন দুই আগে এই গ্রামের বাসিন্দা, আমার অত্যন্ত ঘনিষ্ঠ কবিভাই কৃষ্ণেন্দু চট্টোপাধ্যায় আমাকে চলভাবে জানালো--দাদা, আমাদের গ্রামের অনেক পরিবারই খেতে পাচ্ছেন না। পঞ্চায়ত থেকে কোনও ব্যবস্থা নেওয়া তো দূরের কথা, কেউ একবার খোঁজ নিতেও আসে নি। আমরা স্থানীয় কিছু ছেলে উদ্যোগ নিয়ে ওইসকল বাড়িতে চাল, ডাক, আটা, তেল, নুন, সয়াবিন--এ'সব পৌঁছে দেওয়ার উদ্যোগ নিয়েছি। আমাদের টাকাপয়সা দরকার। আপনি কি কিছু সাহায্য করতে পারবেন? -- আমি বললাম, অবশ্যই করব। আমি তো নিজে রাস্তায় নেমে কিছু করতে পারি নি। তোরা করছিস, অবশ্যই দেবো আমার সাধ্যমত। কৃষ্ণেন্দু এসে আমার গেটের বাইরে থেকে নিয়ে গেছে আমার দেওয়া সামান্য কিছু অর্থ। তারকেশ্বরে আমার বাড়ির পাশেই বাড়ি, এমন এক যুবক প্রদীপ দে তারকেশ্বর বাসস্ট্যান্ডের ফলবাজারে ফলের ব্যবসা করে। প্রদীপ ও তার ক্লাবের ছেলেরা লকডাউনের প্রথম থেকে, দু'বেলাই রেলবন্ডি ও আরও কয়েকটি জায়গায় রান্না করা খাবার পৌঁছে দিচ্ছে। প্রদীপদের দিকে তারকেশ্বরের অনেকেই সাহায্যের হাত বাড়িয়ে দিয়েছেন। আমিও সামান্য কিছু দিয়েছি। আরও খবর পেয়েছি যে

'তারকেশ্বর ব্যবসায়ী সমিতি' ও এ'রকম উদ্যোগ গ্রহণ করেছে। রাজ্য সরকারের তরফে রেশন ব্যবস্থার মাধ্যমে এখনও পর্যন্ত একবার বিনামূল্যে চাল আর আটা দেওয়া হয়েছে। অগ্ননওয়াড়ি কেন্দ্রগুলি থেকে এবং বিদ্যালয়গুলি থেকে ছাত্র-ছাত্রীদের জন্য 'মিড ডে মিল' প্রকল্পে চাল আর আলু দেওয়া হয়েছে। কেন্দ্রীয় সরকারের পক্ষ থেকে কয়েকজনের 'কোভিড জিরো ব্যালেন্স' অ্যাকাউন্টে সম্প্রতি পাঁচশো টাকা করে জমা পড়েছে। এ'সবই প্রয়োজনের তুলনায় একেবারেই অকিঞ্চিৎকর।

এ'সবের পাশাপাশি আরও কিছু কথা বলি। তারকেশ্বরে আমার খুবই ঘনিষ্ঠ সৌভিক চেল, শুভদীপ মালিক প্রমুখ জনাতিনেক যুবক শিল্পী লকডাউনের সময় রাস্তার মোড়ে মোড়ে ছবি এঁকে ও লিখে মানুষকে সচেতন করার জন্য বার্তা দিয়েছেন। এই সংবাদ ছবিসহ ভুলভাবে সংবাদপত্রে ছাপা হয়েছে তাও দেখেছি। প্রিয় কবিভাই অধ্যাপক অয়ন ঘোষ 'ফেসবুক লাইভ'এ এসে নিজের ও অন্য কবির কবিতা শুনিতেছেন। প্রিয় বন্ধু, প্রধানশিক্ষক গৌতম যশ অনেক কবিতা লিখেছেন। তিনি কাজের চাপে হারিয়ে যাওয়া তুলি-রং আবার হাতে তুলে নিয়েছেন। আরেক প্রিয় বন্ধু, শিক্ষক অমিতাভ হালদার সিন্ধুরে বাড়িতে বসে কবিতা লিখেছেন, ভ্রমণকাহিনী লিখেছেন। সরকারি কর্মচারী কবি নীলোৎপল গুপ্ত প্রতিদিনই কবিতা লিখেছেন এবং তার সাথেসাথে বেদ, দর্শন নিয়ে প্রবন্ধ লিখেছেন। প্রিয় বান্ধবী জয়শ্রী গাঙ্গুলী জ্যোতির্বিজ্ঞানের দূরূহ বিষয় 'পালসার' নিয়ে প্রবন্ধ লিখেছেন। আমাদের বিদ্যালয়ের চিত্রকলার শিক্ষক প্রমোদ দাস শ্রীরামপুরের বাড়িতে বসে অনেক ছবি এঁকেছেন। অনেকে করোনা-সম্পর্কিত গান বেঁধে গেয়েছেন। অনেকে নিয়মিত গল্প, কবিতা লিখছেন। নালিকুলের বাসিন্দা ইমন, প্রদীপ ও অন্যান্য ভাইদের দল বাড়িতে বসে স্যানিটাইজার তৈরি করে গ্রামের মানুষজনের কাছে নিয়ে গেছে ও তাঁদের সচেতন করেছে। তারকেশ্বরের আরেক ভাই সুজিত দাস নিয়মিত তার ফেসবুক-দেওয়ালে করোনা-সম্পর্কিত নানা ঘটনার প্রশংসা বা সমালোচনা করে লিখে চলেছে। অনেকে ভিডিও-কনফারেন্সের মাধ্যমে সাহিত্যের আসর বসিয়েছেন। এ'সবই হার না মানার অদম্য জেদ বলে মনে হয়েছে, ভালো লেগেছে। পরিবেশের দূষণ অনেকটাই কমেছে। এবার বুক ভরে নিঃশ্বাস নিতে পারছে সারা পৃথিবীর মানুষ। এ'সব দেখে বারবারই মনে হয়েছে শেষপর্যন্ত এই যুদ্ধে মানুষই জিতবে।

শেষে আমার এই লেখার মাধ্যমে একটি আবেদন রাখতে চাই। যুদ্ধকামী সকল রাষ্ট্রনায়কদের জানাচ্ছি যে আপনারা পরস্পরকে দেখে নেওয়ার জন্য যেসব পরমাণু বোমা, রাসায়নিক বোমা, ক্ষেপণাস্র তৈরি করেছেন, সে'গুলি সব ধ্বংস করে ফেলুন। আমাদের ও'সব দরকার নেই। মানুষের দরকার পুষ্টির খাদ্য, পরিষ্কৃত পানীয় জল, উন্নত চিকিৎসা ব্যবস্থা, প্রাণদায়ী ওষুধ, উন্নত যোগাযোগ ব্যবস্থা এবং পরিচ্ছন্ন শক্তি। এইসবের পরিকাঠামো গড়ে তোলার জন্য অর্থ ব্যয় করুন। পরিবেশ দূষণ কমানোর জন্য কার্যকরী ব্যবস্থা গ্রহণ করুন। অভিশাপ নয়, বিজ্ঞানকে আশীর্বাদ হিসেবে ব্যবহার করুন। ধ্বংস নয়, মানুষ মারার জন্য নয়, মানুষের সমাজকে বাঁচানোর জন্য, উন্নত করার জন্য কাজ করুন। আশাকরি সারা পৃথিবীর সকল সাধারণ মানুষই আমার সাথে একমত হবেন।



MR. RUPAK SAMANTA  
ASSISTANT TEACHER, SCIENCE

## জীবনের জয়গান

আজ প্রায় দুইমাস,  
চলছে লড়াই, গৃহবাস।  
আছি বেশ রসে-বসে  
বলছি বটে, তবে লাগছে ক্লিশে।  
দাও মা শক্তি, কর মা ক্ষমা  
পুণ্য প্রভাবে মুছে যাক,  
আমার মনের সকল কালিমা।  
প্রকৃতি মা আজি সেজেছে আবার,  
ফিরেছে প্রাণের স্পন্দন,  
রঙের খেলা আকাশে, মনে পড়ছে  
অনেক কথাই ছোটবেলার।  
অকালে যেন আর না ঝরে,  
নষ্ট না হয় আর একটিও প্রাণ  
কাটুক রাত, আসুক ভোর,  
আবার শুরু হোক জীবনের জয়গান।



MR. AMIT BANDOPADHYAY  
ASSISTANT TEACHER,  
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## विश्वव्यापी महामारी कोरोना और हमारा भारत

कोरोना नाम की विभीषिका आज कमोबेश रूप में विश्व के सभी विकसित और विकासशील देशों में फैल चुकी है। सम्पूर्ण विश्व की सभी सामाजिक और आर्थिक गतिविधियाँ ठप्प पड़ गई हैं। ईरान, इटली, अमेरिका जैसे देशों की स्थिति तो और भी दयनीय हैं। इन देशों में तो मानो मानव समाज और सभ्यता अपने अस्तित्व की लड़ाई ही लड़ रही हो। हमारा देश भारत भी स्वयं को इसकी चपेट में आने से नहीं बचा सका है। आज इसकी भी दशा चीन के बुहान शहर और विश्व के अन्य देशों की तरह हो गई है। लोग स्वयं को अपने घरों में बंद कर रहने को बाध्य हैं। जिस मानव ने अपनी बुद्धि के द्वारा इस सम्पूर्ण विश्व को अपने वश में कर लिया था आज वह स्वयं को इस कोरोना के सामने विवश और लाचार महसूस कर रहा है।

**है बन्धे नर के करो में, वारि, विद्युत, ताप  
हुकम पर चढ़ता-उतरता है, गगन का ताप।**

मनुष्य की तीव्र महत्वाकांक्षा, स्वयं को दूसरों से श्रेष्ठ समझने तथा प्रकृति के नियमों का उल्लंघन करने के कारण ही यह विकराल समस्या मानव समाज के सम्मुख उपस्थित हुई है। आज जब हम अपने घरों में बंद हैं तो प्रकृति और उसके सभी जैविक-अजैविक घटक, पशु-पक्षी उन्मुक्त होकर विचरण कर रहे हैं।

इन सभी बातों के बावजूद मेरा यह पूर्ण विश्वास है कि जगत गुरु कहलाने वाला हमारा देश भारत कोरोना नाम की इस महामारी को पराजित कर इस संग्राम में न केवल विजयी बनेगा बल्कि पूरे मानव समाज को एक नई दिशा भी देगा। क्योंकि-नाश के दुःख से कभी, दबता नहीं निर्माण का सुख।

अतः एक बार फिर हमें सशक्त रूप में उठ खड़ा होना होगा और विकास के पथ पर आगे अग्रसर होना होगा। भारत के प्राचीन जीवन दर्शन, प्राचीन जीवन मूल्यों को अपने जीवन में अपनाया होगा। उसे यह समझना होगा कि वह भी इस सृष्टि का एक भाग है इसका नियंत्रण कर्ता नहीं। अतः उसे इस प्रकृति के नियमों का उल्लंघन नहीं करना चाहिए।



**MRS. RANJU RAI,**  
ASSISTANT TEACHER, HINDI

### कोरोना से मजबूर

आज क्यों है इतना मजबूर तू ऐ इंसान  
आज क्यों है इतना मजबूर तू ऐ इंसान।  
ईश्वर को मान तू ईश्वर को मान,  
खुदा के बंदे तू खुदा का पैगाम जान,  
बद कर मनमानी ना बन तू शैतान।  
क्या नहीं दिए तुझको भगवान,  
जो चला तू बनने, स्वयं महान  
बाग बनाया, वन बनाया, खेत बनाया,  
खलिहान बनाया  
भरपूर जिसमें फल और फसलें उगाया।  
फिर भी नहीं भरता क्यों तेरा मन,  
क्यों ललच पड़ा तू पशुओं पर ऐ इंसान।  
आज क्यों है इतना मजबूर तू ऐ इंसान,  
आज क्यों है इतना मजबूर तू ऐ  
इंसान।



**MRS. KAJAL SINGH**  
ASSISTANT TEACHER, HINDI

### कोई रोको ना

**रे मानव !  
क्या हुआ ?**

भूल गया सत्तालोलुपता, ईर्ष्या, दंभ, अहंकार?  
भौतिकता में डूबा करने लगा था तू व्यभिचार  
माँ प्रकृति की सीख हो गई थी आनी जानी  
भक्ष्य-अभक्ष्य की सीमा भी तूने ना मानी,  
देख!

### “अति सर्वत्र वर्जयेत्।

अब एक विषाणु मात्र दे रहा तुझे आघात  
सीमाओं को तोड़ हुआ इसका आयात  
तालाबंदी-स्वच्छता-एकांतवास ही है अब हयात  
‘दिनकर’ जी ने तो चेताया था

**“सावधान मनुष्य यदि विज्ञान है तलवार  
तो इसे दे फेंक, तज कर मोह, स्मृति के पार”  
अरे मूर्ख!**

तू कहाँ इसकी व्याख्या कर पाया था?  
तूने तो विज्ञान का ही पूरा चक्कर चलाया था  
अब भगत विज्ञान का अभिशाप  
बेवकूफी से नहीं मिटेगा अब यह संताप  
मर्यादाओं की सीमा को समझना होगा  
इस रण में कुशलता से हमें विजयी होना होगा  
माँ प्रकृति से सीख  
प्रसन्नवदन है सृष्टि सारी  
नर की भूल नर पर ही भारी  
पिंजरबद्ध है हम सभी सुसंस्कृत पशु  
बेखौफ विचरण करता है मगर और मृग शिशु  
शायद तुझे अब ‘सुमन’ जी याद आए होंगे—  
“कनक तीलियों से टकराकर पुलकित पंख टूट जाएंगे”  
घबरा मत!  
भूल मत!

**“समर शेष है”— सुधार ले भूल ! कर ले मेल !  
माँ प्रकृति से क्यूँकर कोई खेल खेले  
दान-प्रवृत्ति और भगवद्भक्ति ही है अब तेरे औजार  
डर मत यह तालाबंदी ही भारत को करेगी गुलजार  
जाग! विश्व गुरु जाग !  
उज्ज्वल होगा यह क्षितिज तिमिरांकित  
बस तू गाता जा होकर पुलकित  
“उतिष्ठ। जाग्रत। प्राप्य वरान्निबोधत।”**



**MRS. VARSHA DADHICH**  
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### कोविड-19 अस्तित्व के लिए चुनौती

आज विश्व का प्रत्येक देश कोविड-19 रूपी महामारी से जूझ रहा है। प्रत्येक देश एवं वहाँ के नागरिकों में इसकी दहशत बोधगम्य में है इसने दुनिया की तेज गति पर विराम लगा दिया है। विश्व स्वास्थ्य संगठन ने इसे महामारी घोषित कर मानव समुदाय के लिए अत्यंत घातक बताया है। बीसवीं शताब्दी में यह मानव समुदाय के लिए अकल्पनीय त्रासदी के रूप में उभरा है। दिन-ब-दिन इसकी चुनौती भयावह होती जा रही है। इसी चुनौती को स्वीकार करते हुए भारत सरकार ने 26 मार्च 2020 से 21 दिनों का लॉकडाउन कर देश के नागरिकों को सुरक्षित रखने का प्रयास प्रारंभ किया।

इस लॉकडाउन के अंतराल में कितने शहरों से लोग गाँव की ओर पलायन करने लगे प्रवासियों के इस पलायन की एकमात्र वजह जीवन के लिए आशा थी। यद्यपि वे इसके परिणाम से अपरिचित न थे। वे जानते हैं की करो ना के खिलाफ इस लड़ाई में अपनी जान गँवा सकते हैं फिर भी मातृभूमि की तरफ उन्मुख हो रहे हैं। इस महामारी का सबसे मार्मिक रूप तब दिखाई देता है जब अपना कोई परिजन संसार से विदा होता है और हम उसके अंतिम दर्शन भी नहीं कर पाते। इस महामारी ने मनुष्य को विवश व लाचार बना कर यह सिद्ध कर दिया कि प्रकृति सर्वोपरि है। हम प्रकृति से जितना खेलेंगे यह प्रकृति हमें उतना ही भयावह दंड देगी।

इस भयानक स्थिति के बीच यह बड़ी चुनौती है कि हम अपने सामाजिक कर्तव्य का निर्वहन कैसे करें। पिता की मृत्यु होने पर सन्तान मुखाग्नि नहीं दे पा रही शवों की अधिकता के कारण उन्हें सामूहिक रूप से दफनाया जा रहा है, मृत्यु शरीर को लेकर कितने लोग कई दिनों तक लाइनों में लगे हैं परंतु दाह संस्कार नहीं कर पा रहे हैं इससे दुःख और कारुणिक क्या होगा मनुष्य दूसरे मनुष्य के दुःख में सम्मिलित नहीं हो पा रहा।

यदि हम इस विभीषिका से बाहर निकलना चाहते हैं तो हमें केवल अपने ही नहीं अपितु पूरे राष्ट्र के लिए अपने को घरों में बंद रखना होगा तभी जीवाणु की शृंखला टूटेगी और हम पुनः सामान्य सामाजिक जीवन यापन कर पाएंगे। आज देश में जिस प्रकार इस महामारी के मामले बढ़ रहे हैं वह हमारी लापरवाही का नतीजा है अब तक भारत वर्ष में 24000 से ज्यादा लोग इस समस्या से ग्रस्त हैं हम यदि अभी नहीं चेंते तो इसका परिणाम अत्यंत भयावह व अकल्पनीय होगा जो पूरे राष्ट्र एवं विश्व के लिए अत्यंत दुःखद है।

हम सब भारतवासी अपने देश को सुरक्षित बनाए रखने हेतु सरकार के नियमों का पालन करें और अपने देश को पुनः स्वस्थ और प्रसन्न स्वरूप प्रदान कर अपने अपने कार्यों में संलग्न हो यही सबसे बड़ी देश और राष्ट्रभक्ति होगी।

मित्रों आज कोरोना प्रकृति में भी सकारात्मक परिवर्तन ले आया है। हमें नई जीवनशैली भी प्रदान की है। लॉकडाउन के दौरान हम घरों में रहकर अपनी सुरक्षा एवं शिक्षा दोनों एक साथ संभाल पा रहे हैं। आदित्य बिरला वाणीभारती ने शिक्षा को सुचारु रूप से

क्रियान्वित करने के लिए जूमक्लास शुरू कर विद्यालय को एक नया आयाम प्रदान किया है। हम सभी विज्ञान के नए-नए स्वरूपों से परिचित हो रहे हैं। बस इस विपरीत परिस्थिति में हमें आशा एवं संयम का परिचय देते हुए इस समस्या पर विजय पानी है। मुझे पूरा विश्वास है हम कामयाब होंगे और पुनः एक स्वस्थ, निरोग, साहसी, कर्मठ भारतीय बनकर अपने संकल्प शक्ति का परिचय देते हुए देश को उन्नति के शिखर पर पहुंचाने में अपना सहयोग प्रदान करेंगे।

आशा का दीपक जलाते चलो,  
कौन कहता जीत सकते नहीं,  
साहस का पग बस बढ़ाते चलो।  
आंधियाँ आएँगी आ चली जाएँगी,  
मन की ज्योति को फिर भी जगमगाते चलो।  
थक गए जो कदम बुझ गए हैं जो मन,  
उनमें स्नेह सरिता बहाते चलो,  
आशा का दीपक जलाते चलो।



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ASSISTANT TEACHER, HINDI

### विद्यालय- घर के अन्दर

महामारी कोविड-19 की वजह से पूरे देश में लॉकडाउन जारी है। सभी लोग अपने घरों में बंद हैं। देश के लाखों करोड़ों स्कूल, कॉलेज, युनिवर्सिटी के भवनों में भी ताले लटके हुए हैं। सभी स्कूलों, कॉलेजों के शिक्षक घरों में ही बंद हैं। अतः हमारे सामने एक दुविधापूर्ण स्थिति आ गई जिसकी हम कल्पना भी नहीं कर सकते। वह यह कि एक तरफ जीवन और दूसरी तरफ नौकरी। ऐसी परिस्थिति में शिक्षण संस्थानों द्वारा की गई ऑनलाइन कक्षाओं की व्यवस्था सचमुच काबिले तारीफ है। यही हमारे बच्चों के लिए मूल्यवान साबित हुआ। इससे हम बच्चों को घर बैठे शिक्षा दे सके तथा समय का सदुपयोग भी हो गया। अंततः मैं इस लेख के माध्यम से यह संदेश देना चाहती हूँ कि ऑनलाइन कक्षाओं के जरिए दी जा रही शिक्षा अपने आप में काबिले तारीफ है।



**MRS. SABITA SINGH**  
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### कोरोना या ईश्वर की करुणा

‘कोरोना’ तथा ‘लॉक डाउन’ ये दोनों शब्द हमारी शब्दावली में नहीं थे। इससे पहले कि हम कोरोना के भयावता को समझ पाते यह हमारे देश में भी अपनी उपस्थिति का प्रमाण देने लगी। बच्चों का एकमात्र उपाय- लोक डाउन ‘-बंद’ - स्कूल, कॉलेज, दफ्तर, मॉल, - हमारी जानी पहचानी दुनिया- सभी कुछ बंद। यहाँ तक की सभी धर्मस्थल-मंदिर, मस्जिद, गुरुद्वारा, आदि सब बंद। शायद ईश्वर हमें यह समझाना चाहते हैं कि-

**“हे मनुष्य मैं बाहर नहीं, तुम्हारे अंदर हूँ।”  
कहीं न कहीं हम यह भी भूल गए थे कि-  
“हम प्रकृति की संतान हैं, स्वामी नहीं।”**

हम विज्ञान के क्षेत्र में उन्नति करके अपने आप को आकाश-पाताल-धरती सबका स्वामी समझने लगे थे लेकिन एक विषाणु के आगे हम पूरी तरह से हारे हुए नजर आ रहे हैं। हमारी चिकित्सा प्रणाली में किए गए शोधों द्वारा भी इसके विषय में पूर्ण जानकारी प्राप्त नहीं हो पाई और ना ही इससे हमें बचा पाने में संभव हो पा रही है। अपने आप को सुरक्षित रखने का एकमात्र उपाय है- **हम अपने घरों में अपनों के बीच रहें।** हमारी गतिशील जीवन शैली में अचानक से एक ठहराव आ गया। इस ठहराव में भी कुछ अच्छाइयाँ हैं। घर में रहते हुए धीरे-धीरे यह महसूस हुआ कि वास्तविक रूप से वह मौलिक शिक्षाएँ जो हम लगभग भूलने लगे थे, वे याद आए - घर हो या शरीर अगर वह अंदर से मजबूत है तभी वह सुरक्षित है। रोग प्रतिरोध शक्ति बढ़ाने के कई तरीके साझा किए जा रहे हैं। मानवता भी कई गुणा बढ़ता नजर आ रहा है। घर में रहते हुए हमारी आपसी संबंध और सशक्त हई तथा हमने चीजों के महत्व को पुनः समझना आरंभ किया। घर में रहकर कार्य करते हुए अपने सहकर्मियों के साथ विचारों का आदान-प्रदान पहले से अधिक होने लगा। महत्वपूर्ण विषय यह है कि आज की परिस्थिति से निकलने के बाद भी हम अपने जीवन शैली में आए बदलाव को बनाए रखें। जहाँ एक ओर बाहरी दुनिया के बंद हो जाने से मनुष्य को प्रतीत हो रहा है कि उसकी प्रगति थम गई है वहीं दूसरी ओर सृष्टि की शेष सभी रचनाएँ पुनर्जीवित हो रही हैं। मानो पृथ्वी हमसे कह रही है-



**MS. VANDANA VERMA**  
ASSISTANT TEACHER, HINDI

**“ बंद रहो बाहरी दुनिया - पृथ्वी पुनः  
पूरन हो रही है ।”**





## THE WONDERFUL EXPERIENCE OF E-LEARNING

WE ARE ALL GOING THROUGH A PANDEMIC WORLDWIDE. THE SITUATION HAS BECOME VERY SCARY DUE TO COVID-19. WE ARE ALL HOME-ARRESTED. IN THIS SITUATION, THE INITIATIVE TAKEN FOR THE STUDENTS BY OUR SCHOOL IN THE FORM OF E-LEARNING IS APPLAUDABLE. THE CONDUCTION OF THE TEACHING-LEARNING PROCESS THROUGH WHATSAPP AND ZOOM CLOUD MEETING APPLICATIONS HAS BEEN IMMENSELY HELPFUL FOR ALL OF US. HOPE THIS WILL PAVE THE WAY FOR MORE UPDATED TECHNIQUES OF LEARNING AS A HELPING GUIDE FOR BOTH TEACHERS AND STUDENTS TO STAY CLOSELY CONNECTED IN SUCH A CRISIS SITUATION. THE ENTIRE PROCESS HAS HELPED US TO LEARN EFFECTIVELY. LEARNING. IT IS A WONDERFUL LIFETIME EXPERIENCE FOR ALL THE STUDENTS OF ADITYA BIRLA VANI BHARATI SCHOOL.

-SAYAM MUKHERJEE  
CLASS - VIII A

WE ALL ARE IN QUARANTINE IN OUR HOMES TO SAVE OUR LIVES FROM THIS TERRIBLE CORONA VIRUS OR THE COVID19 FOR ALMOST ONE AND HALF MONTH. DURING THIS DIFFICULT PERIOD WE ALL ARE FACING DIFFERENT KINDS OF PROBLEMS. FOR STUDENTS THIS IS A GREAT LOSS ESPECIALLY THE STUDENTS WHO ARE GOING TO GIVE BOARD EXAMS OR OTHER IMPORTANT SEMESTERS. BUT WE THE STUDENTS OF ADITYA BIRLA VANI BHARATI ARE VERY FORTUNATE AS ALL THE TEACHERS AND OUR RESPECTED PRINCIPAL SIR ARE PUTTING THEIR EFFORTS BY SENDING THE IMPORTANT NOTES IN PDF AND TAKING OUR CLASSES USING THE ZOOM APP WHICH IS VERY FRUITFUL FOR US. IN THIS VIDEO CONFERENCE OUR SUBJECT TEACHERS ARE EXPLAINING US THE RESPECTIVE CHAPTERS AND ALSO CLEARING OUR DOUBTS. THE TEACHERS OF OUR SCHOOL ARE TAKING OUR CLASSES AND ALSO HANDLING THEIR HOUSEHOLD WORK IN THIS DIFFICULT PERIOD OF TIME WHICH IS VERY RESPECTABLE. I THINK WE ARE VERY FORTUNATE I THINK WE ARE FORTUNATE THAT WE ARE IN THIS SCHOOL AS I ALSO HAVE SOME FRIENDS WHO READ- BECAUSE IN OTHER SCHOOLS AND THEY TOLD ME THAT MOST OF THE SCHOOLS IN RISHRA ARE NOT TAKING SUCH EFFORTS LIKE OURS. MY PARENTS AND I WANT TO THANK ALL THE TEACHERS INCLUDING OUR CLASS TEACHER MRS. SUBHA SENGUPTA AND ESPECIALLY OUR RESPECTED PRINCIPAL SIR MR. GAUTAM SARKAR AND OF COURSE OUR EX PRINCIPAL MS SUSHMITA BANERJEE BECAUSE WITHOUT THEIR BLESSINGS AND EFFORTS IT WOULD HAVE NOT POSSIBLE.

THANK YOU....  
-BHAGHYASHREE RAMPURIA  
CLASS- X B  
ROLL NO. -15.

## EXPERIENCE ON ZOOM CLASSES

CONGRATULATIONS ABVB FOR EMBRACING THE TECHNOLOGICAL ADVANTAGE OF OUR TIMES !  
TIMELY ADOPTION OF ONLINE CLASSES THROUGH "ZOOM" APP BY ACTIVE PARTICIPATION OF ALL CONCERNS - SCHOOL, GUARDIANS AND STUDENTS IN THE CLIMATE OF DEEP FEAR, DEPRESSIONS AND RESTRICTIONS IMPOSED AROUND THE WORLD DUE TO KILLER COVID-19 PANDEMIC. WE AS GUARDIANS AND STUDENTS VERY MUCH APPRECIATE THE SCHOOL MANAGEMENT FOR STARTING THE

NEW ACADEMIC SESSION WITH NO LOSS OF TIME THAT TOO IN A WAY WHICH IS VERY MUCH EXCITING, ENCOURAGING, ENJOYABLE AND ATTRACTIVE TO TECH-SAVVY STUDENTS. AS THE NEW SESSION WAS ABOUT TO BEGIN, A SUDDEN PANDEMIC MADE THE STUDENTS AS WELL AS GUARDIANS VERY MUCH CONCERNED ABOUT THEIR UPCOMING SESSION AND ACADEMIC YEAR IN LARGE. THUS, ONLINE CLASSES GAVE A POSITIVE AND FUTURISTIC WAY TO THE STUDENTS TO KEEP THEMSELVES SAFE INSIDE THEIR HOMES, BE FOCUSED WITH STUDIES DURING THE LOCKDOWN.

INITIALLY, THERE WERE MANY SERIOUS CONCERNS REGARDING USE OF "ZOOM" APP BUT WITH FEW PROCEDURAL SETTINGS IN THE SYSTEM & FOLLOWING PRECAUTIONARY STEPS AS GUIDED BY ADVISORY FROM GOI, IT HAS NOW BECOME QUITE USABLE & HANDY EVEN IF ALL THE THREATS ARE NOT FULLY RULED OUT. RANSOMWARES ARE ALWAYS ON THEIR TENTERHOOKS TO INVADY ANY LOOP-HOLES AND IGNORANCE BY THE USERS OF SUCH PLATFORMS. AS THE SMART PHONES WE USE MOSTLY CONTAIN IMPORTANT APPS, CONTACTS, DOCUMENTS INCLUDING PAYMENT APPS VIZ. PAYTM, PHONE-PE, UPI, GOOGLE PAY, EBANKING, ETC. MORE SO AADHAR LINKED. HENCE IT IS VERY MUCH UNDER THE RISK OF MALWARES WHICH CAN COMPROMISE THE DEVICE SAFETY. THE STUDENTS WHO ARE HANDED OVER WITH SUCH DEVICES ARE VERY LITTLE AWARE OF ONLINE CRIMES. LAPTOP / PCS, IF AVAILABLE, CAN BE USEFUL TO SAFEGUARD FEW SECURITY CONCERNS. THE PHONES IN USE ARE GETTING TOO HOT DUE TO CONTINUOUS VIDEO STREAMING DURING THE SESSIONS, WHICH CAN BE FATEFUL.

EVERY TEACHER'S EFFORT IS WELL VISIBLE AND EVERYONE IS DOING HIS OR HER BEST TO SATISFY THE NEED OF THE PEOPLE RELATED TO STUDIES - BE IT AUDIO VISUAL CONTENTS, SUPPORTED NOTES, STUDY MATERIALS, DOUBT CLEARANCE, STUDENT TO STUDENT COMMUNIQUE, ETC. WE ONCE AGAIN THANK THE ENTIRE MANAGEMENT, TEACHERS, GROUP ADMINS AND ALL THOSE WHO ARE PART OF THIS NEW VENTURE BY THE SCHOOL FOR THEIR RESPECTIVE INVALUABLE ROLES. WE THANK ALL THE GUARDIANS & STUDENTS AS WELL WHO HAVE ACTIVELY ACCEPTED THE TECHNOLOGY OF THE HOUR.

AT LAST, WE WOULD SAY THAT THE STUDENTS ARE UNDOUBTEDLY MISSING THEIR PHYSICAL ACTIVITIES, BELOVED TEACHERS AND BATCH-MATES BUT ON A VIRTUAL PLATFORM, THERE IS NO SUBSTITUTE TO ZOOM CLASSES.

BE SAFE AND POSITIVE. STAY HEALTHY.

SD/-  
KOUSHIK MITRA & BIDISHA MITRA  
GUARDIANS OF "KOUSHIK MITRA"

## SCHOOL INITIATIVES DURING COVID-19 PANDEMIC

WE ALL ARE PASSING THROUGH HARD DAYS. THE LOCKDOWN DUE TO COVID-19 PANDEMIC HAS DISTURBED OUR NORMAL LIVES. WE CANNOT BUT HAVE TO STAY INSIDE FOR THE SAFETY OF OURSELVES AND OUR FAMILY. THIS MICROSCOPIC ORGANISM 'CORONA VIRUS' HAS CREATED A PANIC IN OUR MIND. BUT, OUR LIFE CAN'T STOP DUE TO IT. THE LONG-TERM LOCKDOWN HAS DISTURBED THE DAILY LIVES OF STUDENTS. THEY ARE NOT ABLE TO GO TO SCHOOLS AND COLLEGES. THEIR LIVES ARE BECOMING INDISCIPLINED DAY BY DAY. AMIDST ALL THIS THINGS, I AM GLAD TO SAY THAT OUR SCHOOL ADITYA BIRLA VANI BHARATI HAS TAKEN A VERY WISE DECISION TO USE THE MODERN TECHNOLOGY TO PROVIDE US

EDUCATION. THEY ARE USING THE ZOOM CLOUDMEETING APP TO TAKE ONLINE CLASSES. ALL THE CLASSES ARE RUNNING SUCCESSFULLY. I AM REALLY GRATEFUL TO ALL MY TEACHERS. THEY ALL ARE WORKING DAY AND NIGHT TO PROVIDE US THE BEST. THIS INITIATIVE HAS HELPED US A LOT TO RETURN TO OUR DISCIPLINED LIFE. MOREOVER, THEY ARE PROVIDING US SUFFICIENT NOTES TO STUDY THROUGH WHATSAPP GROUPS. THEY ARE CLEARING ALL DOUBTS. NOT ONLY STUDIES BUT THE EXTRA CURRICULAR ACTIVITIES ARE ALSO TAUGHT THROUGH WHATSAPP GROUPS. STUDENTS LEARNING SONGS, DANCES ART AND CRAFTS. THANKS TO ALL THE TEACHERS FOR PROVIDING US THE NORMAL LIVES. I AM PROUD TO BE A STUDENT OF THIS SCHOOL. THESE ONLINE CLASSES ARE REALLY VERY HELPFUL. WE ALL ARE REALLY BLESSED THAT WE HAVE THE SUPPORT OF OUR SCHOOL DURING THIS HARD TIME.

-SUCHISMITA KUMAR.  
CLASS: XII B.

## MY EXPERIENCE OF ZOOM CLASSES

ZOOM CLASS, ZOOM CLASS,  
EVERYDAY AND NIGHT.  
MAKING SOMEONE  
FRUITFUL AND BRIGHT.

IT'S A NEW EXPERIENCE  
OF ME.  
CONNECTING PUPILS WITH  
TEACHER AND THEE.

BEING A STUDENT OF CLASS NINE,  
MY EXPERIENCE IS QUITE FINE.

THROUGH THESE CLASSES,  
I CAN CLEAR ALL MY DOUBTS.  
BY THE TEACHING OF OUR TEACHERS,  
WITH THE METHOD OF THEIR SHOUTS.

-SAMPURNA GHOSH  
CLASS -IX, SEC -A

## LOCKDOWN LEARNING

E-LEARNING IS "THE USE OF INTERNET AND DIGITAL TECHNOLOGY TO CREATE EXPERIENCES THAT EDUCATE FELLOW HUMAN BEINGS" A TERM THAT WAS NOT WELL KNOWN UNTIL A FEW YEARS AGO BUT NOW THE TERM IS COMMON IN UNIVERSITY COMMUNITY AS A NETWORK TECHNOLOGY. IT FACILITATES AND DELIVERS LEARNING, ANYTIME AND ANYWHERE IN DISTANT MODE AS A VIRTUAL CLASSROOM.

THE CORONAVIRUS PANDEMIC HAS UPENDED OUR WORLD. THE ACADEMIC CALENDAR ALL OVER THE WORLD HAS BEEN DISTURBED. CAUGHT IN THE MAELSTROM, SOME PARTS OF THE URBAN INDIAN EDUCATION SYSTEM, EVEN SCHOOLS HAVE TURNED TOWARDS DELIVERY OF EDUCATION ONLINE TO HELP STUDENTS TO DEAL WITH THIS UNPRECEDENTED CHALLENGE OF COVID-19 AND ENSURE THAT LEARNING CONTINUES THEREBY DEVELOPING CREATIVE SOLUTIONS TO COMPENSATE THE LACK OF RESOURCES.

THE METHOD OF TEACHING-LEARNING THROUGH ZOOM IS QUITE INNOVATIVE, SIMPLE AND ADAPTABLE TO ME.

-ABHRA PAUL CHOUDHURY  
URNAYU PAUL CHOWDHURY  
[LOWER KG SECTION B]

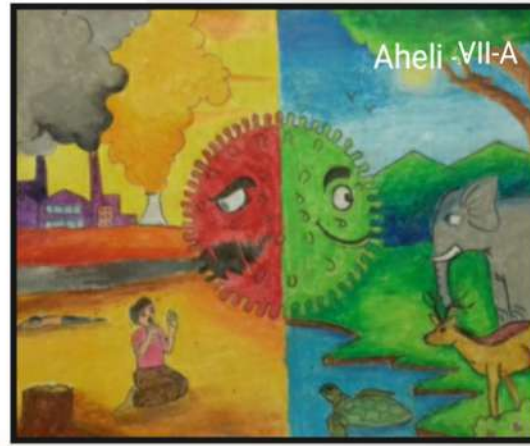




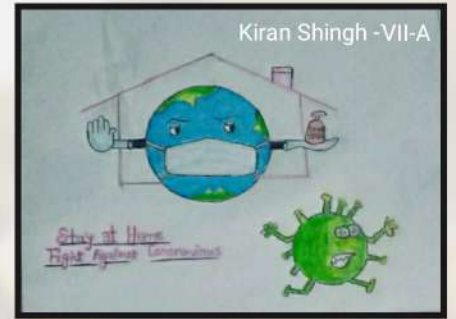
Harshit singh.vii-B



Debayan IX-A



Aheli VII-A



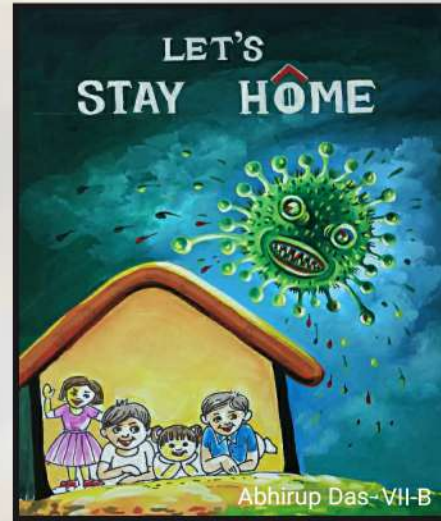
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Srishti Mukherjee VII-B



sampurna Ghosh IX-A



Abhirup Das VII-B



Mehak IX-A



COLOURS SPILLED



Agnish IX-A



Tanaya Paul VI-A



**in-f-o-dem-ic**

**BEWARE!!! DO NOT LISTEN TO FACTS THAT YOU DO NOT KNOW STAY AWARE!! STAY HOME. SAVE LIVES....**

**FAKE NEWS**

Like Comment

**ARYAN BHATTACHARJEE CLASS : VI - A**



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