



GSFC
UNIVERSITY
EDUCATION RE-ENVISIONED

EVENTIA

A BIMONTHLY NEWSLETTER

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Message from President's Desk

Shri P.K. Taneja, IAS (Retd.)

President - GSFCU

Former ACS Industries, Home and Forest & Environment, GoG



I congratulate the Editorial Board to continue with the publication of the Newsletter – Eventia. GSFC University is continually striving to excel through constant evolution and Re-envisioning, even in the current pandemic situation.

I like to express my prominence on two critically important and interrelated ideas:

How does the educational institution like us survive this moment of disruption and uncertainty and set a new path for a more successful future? And

What sorts of changes could bring persistent yet cutting-edge solution for virtual education? What is required in a crisis like this to come out stronger on the other end?

The pandemic has helped the world exhilarate the reforms, especially the mode of teaching and evaluation. The only question that remains pertinent would be how adept our institution is in reinventing itself in the new techno-economic culture that the post COVID world is most likely to embarrass.

It has become necessary to boost the confidence and morale of the students along with online education and other holistic activities to advance their personal growth. I appreciate the efforts put in by our teaching fraternity for persistent and inexorable efforts to provide online teaching without any obstructs.

At the same time, I want the team of faculty to go through the change of attitude and adapt the possible available e-tools in their pedagogical reform. We need to have flexible digital pedagogies, classification of resource categories, and multi-channel sharing of the resources available on the digital platform that can help us to serve the mission of the university. It is pertinent to mention that online teaching requires more efforts and different approach/methodology/pedagogies by faculty members.

I strongly urge all the stake holders to get involved, innovate, come up with new ideas and share experiences to the forefront at GSFC University.

Let's bring the positive impetus to mitigate the challenges induced by COVID-19.

I wish all the best to all for the New Digital Imminent as the “New Normal”.

Message from Provost's Desk

Dr. Nikhil Zaveri
Provost (Vice Chancellor)
GSFC University



At the outset, I wish you all “Safe Home Stay” amid COVID-19 crisis.

The ongoing COVID -19 pandemic is the defining global health crisis of our times and is proving to be one of the greatest challenges faced by humanity. We all are experiencing disruption in every aspect of our daily lives: our social interactions, our family, our society, and, of course, how we all work at GSFC University. Such situation evokes our latent capabilities to contribute together as one fraternity towards the fulfillment of the vision of creating a “Signature University”.

Most of the suggested approaches to provide education during this time of crisis have centered on the use of technology. Hence our instantaneous initiatives, which I call them “Twins of GSFCU” – ONTI-20, and ONEI-20 (for Online Teaching and Online Examination), have been the masterstrokes of the time to serve our students in the best possible manner. How the University moved 100 percent of courses for its 1200 students online within 3 days – which is historic in itself. Both these initiatives have been bringing success and laurels to the University.

This is possible due to the enthusiastic involvement and conscientious commitment of the faculty members. My heartiest congratulations and appreciations to the entire team and team leaderships. Students deserve the best compliments for their cooperation and support.

At this juncture, I, on behalf of GSFCU and my personal behalf, also want to convey my deepest thanks to each one of you for the ingenious, concerted and collaborative approach to sustain the academic progression duly backed by administrative processes during this crisis. I’m proud of how we are adopting a “first responder mindset” across the University.

The future is unknown, uncertain and unpredictable. The strength lies in the faculty and institute nurture. Faculty need to change their mundane teaching methods and adapt to evolving technology-centred teaching. The faculty should establish themselves as “competent” individuals who can deliver what the students expect. To establish faculty should be active in research and research publications and gain experience /skills in online teaching. In a way, the learning institutes become virtual institutes. Every student’s home becomes his institute. Higher education needs to

be more international, more flexible (curriculum) and should be innovative and should be open for more collaboration.

In present scenario, the uniqueness in our role calls for connecting the dots, and evolving an ecosystem to build the digital capability that perceives this situation more of an opportunity than a threat. There's no doubt that the workflow of our jobs is changing fast, with every one of us working remotely for the first time. Needless to say, the success to this pursuit lies in our ability to stay grounded in our sense of purpose and to remain true to our distinctiveness. During this pandemic situation, we, as an academic & administrative community must take the position of being “Agents of Change” for value creation through our twin initiatives.

I wish you Good Luck! Please, do look after yourselves, your families and stay safe.

From Editor's Desk

Ms. Sneha Bajaj
Chief Editor - 'Eventia'
GSFC University



First of all, I want to express my great concern and apprehension over the burning issue of Covid -19 that has forced each one of us to change the way of our life. The dread of obscure future and shaky present have made us adapt the new ways to embarrass the life and look at the life with a new dimension. Well, this pandemic has made us learn a thoughtful lesson. We should never take the life and the things that we are provided with for granted, staying grateful to the life is not only a gesture of gratitude but also an attitude to acknowledge that we are very small and our aspirations should not harm this mother earth in any way. Staying happy is no less important than living an inspirational and prosperous life.

The third issue of our newsletter throws the light on the ongoing effect of Covid – 19 on education system and how we have successfully tackle it with the help of our competent and efficient faculties who had shown their willingness to change and adapt the new way of online teaching. We have not only successfully finished the syllabus without skipping a day of teaching but also efficaciously completing online final examination. I would like to extend my congratulations to the management, faculties and my dear students for this success. Due to the unavoidable circumstances of lockdown the issue of April and May has got little delayed so we offer you the issue with the three months April, May and June. The issue deals with the in-house especially virtual activities that took place during the Covid – 19. I like to express my appreciation to the entire editorial team of the newsletter Eventia for their support.

I wish all the best to all of you for the safer future. Stay home, stay safe and take care of yourself and your family.

With Best Regards,

Ms. Sneha Bajaj

Chief Editor – 'Eventia' & Assistant Professor GSFC University

Environment Canthus

Impact of COVID-19 Pandemic on Environment

Ms. Priyanka Pandya
Assistant Professor
GSFC University



Worldwide spread of COVID-19 in a quite short time has brought a dramatic decrease in industrial activities, road traffic and tourism. The question about COVID-19 pandemic being a godsend for human beings or not cannot be answered, but it would seem to be one for the environment. Restricted human interaction with nature during this crisis time has appeared as a blessing for nature and environment. Reports from all over the world are indicating that after the outbreak of COVID-19, environmental conditions including air quality and water quality in rivers are improving and wildlife is blooming.

India has always been a hub of pollution with huge population, heavy traffics and polluting industries leading to high air quality index (AQI) values in all major cities. But after declaration of lockdown due to COVID-19, quality of air has started to improve and all other environmental parameters such as water quality in rivers have started giving a positive sign towards restoring.

Before the start of the COVID-19 pandemic, the air around us had been deemed very toxic to breathe in due to the amount of greenhouse gases that had been emitted over the centuries. The Earth faced rising temperatures, which in turn led to the melting of glaciers and rising of sea levels. Environmental degradation was happening fast due to the depletion of resources such as air, water and soil. But after the coronavirus lockdown commenced, there have been slight changes in the environment.

Impact on Air Quality:

After the lockdown was put in place, there was lesser travelling done by people, whether it be by their own cars, or by trains and flights. Even industries were closed down and not allowed to function. This in turn led to the pollution in the air dropping significantly.

- Particulate Matter (PM₁₀ and PM_{2.5}) concentrations reduced by about half in compare to the pre-lockdown.
- NO₂ and CO have shown considerable decline during lockdown.

Impact on Water Quality:

Since there were no boats, whether they be fishing or pleasure ones, plying on the rivers and waterways, the water has cleared up. The water became so clear that the fish could be seen and there was better water flow. No doubt, because of the lesser human footfall even the oceans are recovering and marine life is thriving.

- A Centre Pollution Control Board (CPCB) report showed that critically polluted river stretches in the country have increased. The finding was based on Biological Oxygen Demand (BOD).
- The Ganga water quality improved remarkably during the lockdown period. The 2,500-kilometre river has been an important part of India's history, identity, religious beliefs and economy for thousands of years.
- According to the real-time water monitoring data of the Central Pollution Control Board (CPCB), out of the 36 monitoring units placed at various points of the Ganga river, the water quality around 27 points was found suitable for bathing and propagation of wildlife and fisheries.
- In the month of May, at Varanasi's Nagwa Nala, the Dissolved Oxygen (DO) values were found increased to 6.8 milligram/litre against 3.8 mg/l on March 6, showcasing an extraordinary improvement of 79 per cent in DO values.

Impact on Wildlife:

Again where fish is concerned, the lockdown has seen a decline in fishing, which means that the fish biomass will increase after over-fishing almost depleted it. Apart from that, animals have been spotted moving about freely where once they would not dare to go. Even sea turtles have been spotted returning to areas they once avoided to lay their eggs, all due to the lack human interference.

All around the World, there have been reported incidents of animals venturing into cities as people have started confining themselves to the safety of their homes in an effort to control the

spread of Coronavirus. This global pause also gives us a chance to rethink our relationship with nature. We must learn to co-exist if we want to sustain our urban ecology.

Impact on Vegetation:

Plants are growing better because there is cleaner air and water, and because yet again there is no human interference. With everything at a standstill, plants are allowed to thrive and grow and produce more coverage and oxygen. Less litter also means lesser clogging of river systems, which is good in the long run for the environment.

In conclusion, though there has been a positive impact on the environment due to the lockdown, there is fear that once people start travelling again or go back to doing what they have been doing, all the positive impact will also disappear.

Finvest Chronicle:

Dr. Chetna Parmar

Associate Professor – SOM- GSFCU
GSFC University



Indian Equity impact the announced economic packages fell short of market expectations, impact of lockdown globally including India. – Mr. Prashant Jain – Fund Manager – HDFC MF.

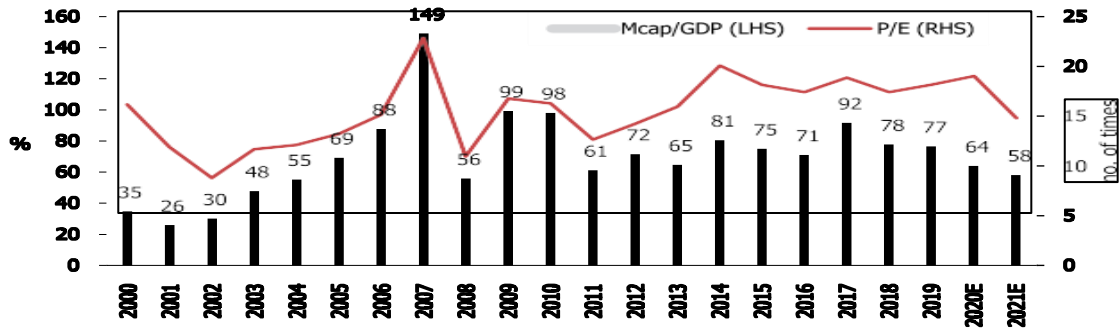
Government announced fiscal measures and reforms, as new aim of “Self-Reliant India” – Modi Government announced economic reforms packages to counter the slowdown due to COVID – 19, its positive reforms for various sectors. The measures were focused on providing support to MSMEs and FMCG vulnerable sectors of society. (Largely poor, migrant labours, start-ups etc), improving local infrastructure industries, deregulation agriculture sectors to a certain extent, support to NBFC, improving financial supports of power distribution companies, encouraging domestic manufacturing etc. Its impact on fiscal policy measures like to be limited, it may raise GDP 1% in FY21.

GDP Growth Softens: In FY21, GDP growth is likely to decrease sharply on account of lockdown, but is also likely to rebound in FY22 on back of economic activities and pent – up demand and low base, but growth path is expected to normalize FY23 onwards.

Quarter Ended %	31-12-2019	31-03-2020
GDP	4.1	3.1
Private Consumption	6.6	2.7
Govt. Consumption	13.4	13.6
Gross Capital Formation	-4.3	-5.8
Export	-6.1	-5.8
Import	-12.4	-7
GVA	3.5	3
Industry	-0.3	-0.6
PADO	10.9	10.1

* Public administration, defence and other services Source: CIME

Indian’s GDP growth rate on Q4 in FY20 is moderated to 3.1% YoY form 4.1% in last quarter. The slowdown was driven by weak private consumption, contraction in manufacturing segments and soft growth in services resulted in GVA growth moderating to 3.0% in Q3 FY20 as 3.5%.



For 2020E and 2021E, Market cap/NIFTY as on 31st May 2020 is taken; GDP estimates are for 2020E and 2021E respectively. For 2020E, PE based on free-float EPS as of March 2021 end and for 2021E EPS of March 2022 end is used. Sources: research team HDFC MF.

Indian equity markets hold promising over the medium to long term investment, it’s advisable to avoid short –term or inter-day trading, further, recently government under its initiative as “Self Reliant Movement” announced that it must to divest the stake in CPSEs through Exchange Trade Fund (ETF) route. This should lead to better valuations of PSUs as regular supply of shares through ETFs was a big overhang on their share price.

In view of the above parts, where is appetite permits, investors should use this deep correction to their advantages by increasing exposure to equity funds. There is good in increasing to equity in a phased manner or in staying invested as the case may be means invest for long period of time rather than short one. Significant rise in spread of corona virus, adverse global events, sharp rise in crude oil prices, sharp moderation in equity oriented mutual funds flows, delays in NPA resolution under NCLT etc are key risks in the near term.

It’s advisable to play in safe mode in intraday trading. In 15th July 2020 Reliance AGM announced Google will invest Rs. 33737 cr for 7.7% stake in Jio platforms. Company is developing Jio TV Plus, Jio Glass, and more. The company also announced details on JioMart and Jio 5G solution.

Knowledge Concavity Importance of IoT in the New Normal – Work from Home (WFH)

Ms. Rujul Desai

Assistant Professor – CSE
GSFC University



1. IoT and WFH

Resources are distinct advantages for most organizations. Human workforce is the other resource which is a pre-imperative to run smooth activities.

Utilizing remote tools and applications driven by the Internet of Things, Organizations from different enterprises can deal with numerous locales/resources and bring together activities through information examined all on a solitary programming application. IoT remote applications can help robotize a significant part of the standard examinations and support checks without conveying a human asset at the area physically.

For example, massive chilling unit's at large commercial buildings, Emergency Diesel Generators, and so forth which need ordinary upkeep and checking, would now be able to be associated with the web and activities and supervisory crews can keep a tab of their working without being nearby. With least assets clients can design maintenance schedules, plan support just on-request rather than superfluous customary checks. This can spare a significant measure of time and cash. Particularly during such times of limited development, having the option to perform assessments and checks and program changes from the far off end will be of extraordinary bit of leeway.

2. Business Continuity by taking advantage of IoT

Guaranteeing business coherence in the midst of emergency is a test, however ventures and enterprises who are associated and have grasped portability are better presented to address this test viably. Truth be told, IoT can be an extraordinary impact in making a smooth IT-OT incorporation that can assist organizations with remaining profitable and proficient in any event, during the hour of emergency.

We should take a case of the Data Centers. With the spike in telecommunication, most extreme uptime is required for those efficiency instruments on cloud that are utilized by workers. So as to guarantee that those applications are running proficiently, it is essential to keep up the server farms and servers serving those applications. IoT fueled Data Center Monitoring Solution can be of incredible use, since it can totally deal with the natural states of the DC premises, guarantee the correct temperature of the server units and furthermore help IT steams remain proactively refreshed on the off chance that any chance of crash is recognized. Thusly IT groups can remain proactive, rather than responsive and furthermore guarantee total business progression.

Aside from engaging IT groups, IoT applications can support offices and administrator groups to monitor and deal with their tasks from remote area guaranteeing smooth arrangement of basic exercises with constrained Human resources.

3. Is it Safe Working From Home

Data is the new gold, and keeping it secure is of the most elevated significance. Thus, Security is a significant part of IoT and will consistently be a key worry that associations should take discernment of.

Information security can be guaranteed by picking the correct devices and items that emphasis on making sure about the information start to finish. Components that one must consider while settling on this decision are: (i) Security while gathering information at the edge, (ii) Secure transmission to the cloud or the application by means of encryption and secure stockpiling (iii) Securing clients access of information distantly from their mobiles or internet browsers and (iv) the Network security which is an IT worry of making sure about your benefits and servers.

Utilizing different items and answers for every one of these layers may make this errand of digital hazard moderation overwhelming, yet picking a venture grade IoT Platform which ties down all perspectives from edge to cloud just as client get to, would be a distinct advantage in keeping digital dangers under control.

4. Work From Home: New Normal or Distant Dream?

A Work from home could be the new normal for organizations. Most organizations are as of now equipped with the IT framework to deal with the work from home culture and accomplish consistent correspondence among partners and clients through different business and profitability devices. Nonetheless, with regards to the assembling part, most of the organizations despite everything are not prepared with the correct foundation to engage their processing plant floor laborers, experts and bosses with innovation that can assist them with running tasks easily from any distant area.

IoT can be a significant distinct advantage in this sense. The innovation can change the manner in which activities are being conveyed in the assembling division. The computerized change brought by the Internet of Things can move most of the manual and desk work to modern, robotized and exceptionally instinctive dashboards. The current situation of worldwide lockdown may be one case, be that as it may, in any event, during expected or sudden normal calamities like tropical storms, floods, and so forth when the specialist wellbeing is of high belief, Factory Automation combined with Industrial IoT Applications can help the assembly line laborers stay refreshed with customary timetables, procedure or sequential construction system measurements and different elements that should be checked for successful activities. Administrators and floor directors can monitor their activities and support plans without being on the floor.

This implies IoT can acquire the white-collared sophistication to the blue collared jobs. On a key level, business pioneers and processing plant proprietors can have ongoing and incorporated information of tasks and applicable pattern reports to assist them with examining any given circumstance and take educated choices dependent on real information.

GUITAR - GSFC University Incubation, Innovation, Technology & Applied Research Centre

Unlocking Innovation: launch of first start-up under GUITAR

Dr. Saroj Shekhawat
CEO – GUITAR
GSFC University



“The difference between stumbling blocks and stepping stones is how you use them.” – Unknown

Coronavirus covid-19 can very easily spread from one person to another, and the most important way to fight against it is good hygiene and disinfection. As national emergency response to control covid19 governments globally have introduced human movement restrictions, public health interventions and extensive sanitation and disinfection drives. Current situation, it is highly recommended to deep clean any public place, work environment, school or premises and fogging is an effective strategy and is used worldwide. India has also introduced heightened sanitization and decontamination measures and is routinely carrying out disinfection via fogging of all its residential and commercial areas.

The COVID-19 pandemic, seen as a roadblock by many, was just another bump in the road for GUITAR students Mr. Jaydeep Gajjar and his team. Where many saw obstacles they saw opportunities. The first observation that poor sanitation is a major contributor to the spread of CORONA Virus led them to explore strategies employed by the govt., private institutions for maintaining good sanitation conditions. The approach for sanitation by municipal corporations they studied was either “manual” which is slow, time consuming and requires a dedicated person or through “fogging machines” which are big and bulky, mounted on big carrier trucks, impossible to operate in narrow lanes and by lanes and is with big manpower (3-5persons) and diesel expenditure.

Inspired to find a better solution, Mr. Jaydeep Gajjar and his team developed a PORTABLE SANITIZATION MACHINE (PSM) which is one 10th the cost of bulky machines used by Municipal Corporation, with many novel features as listed:

- can be mounted on any vehicle
- Can be attached to garbage trucks thereby abolishing the need for a separate truck, manpower, reducing the cost of operations.

- Can be operated by a single switch near the driver seat, thereby reducing the operations time.
- can be customised to fit on two-wheelers to access hard to reach lanes
- covers larger surface area (10 mtrs) for fogging

An application has been filed for the DESIGN PATENT for PSM.

GUIITAR centre mentored the PSM project right from its conceptualization stage to providing funding for prototype development and later a start-up seed fund to make 10 PSM. The students through GUIITAR were connected to Gujarat State Municipal Corporations. Five Municipal corporations namely, Gandhinagar, Ahmedabad, Rajkot, Bhavnagar and Jamnagar agreed to buy one machine each for field testing/trials and feedback.

The on-field trials by Municipal Corporation by mounting the PSM/s on their COVID 19 WASTE COLLECTION VEHICLES gave excellent reviews and the minor design modifications as suggested were carried out.

Encouraged by the feedback and its potential in the market, the students launched the start-up SUVEENA TECHNOLOGIES” and have now introduced a plethora of products in their basket that provides a complete 360-degree deep cleaning solution at personal or industrial scale.





PSM DELIVERY DEMONSTRATION AT GANDHINAGAR & AHMEDABAD MUNICIPAL CORPORATIONS



SUVEENA TECHNOLOGIES: GUITAR FUNDED STUDENT START-UP

GUIITAR - GSFC University Incubation, Innovation, Technology & Applied Research Centre

KALEIDOSCOPE

Mr. Kirankumar Parmar
Senior Manager, GUIITAR



GSFC University Innovation Incubation Technology and Applied Research (GUIITAR) Centre launched “Kaleidoscope” flagship event with a theme “Lock-in to Lock-innovate”.

Under Kaleidoscope will arrange a myriad of webinars and expert interactions providing information on emerging technologies, increase dialogue between students and Industry on Entrepreneurship and to systematically foster the culture of Innovation amongst students at the campus.

Kaleidoscope brings together ecosystem stakeholders to brainstorm, discuss, and train on any aspects related or specific to entrepreneurship or technology. Through the events GUIITAR Centre aims to identify, scout, acknowledge, support and reward proven student ideas and innovations and to further facilitate their entrepreneurial journey. Kaleidoscope provides a platform

to Innovators, students and industry experts to share real-life challenges and generate actionable roadmaps.

Total 8 events were organized under the Kaleidoscope between March to June, 2020 by inviting Academician, Entrepreneurs and Industry Experts.

1. Workshop on “3D Printing Technology”
2. Webinars on:
 - I. "Basics of Python Programming"
 - II. “3-D Printing (Corona Mask)
 - III. “Role of HR in Campus placement and their expectations from students”
 - IV. “Fundamental of Lithium-ion Battery and Electric Vehicle”
 - V. "Demystifying Digital Transformation"
 - VI. "New Opportunities for Fintech Post COVID-19"
 - VII. "Cleantech and Socialtech Startups: 5 Key Characteristics"

Bullying: a concern – “learn to say NO to bully”

Mr. Dhairya Patel

Teaching Assistant – Physics

GSFC University



According to Wikipedia and many published research papers, bullying is all about the power dynamic. It is a force or threat to abuse or intimidate other people and which keeps happening over some time with the intention to hurt someone, apparently due to an imbalance in power between the perpetrator and the victim. There are numerous articles on the internet where people have discussed their stories and how they either dealt with it or succumbed to it. There are certain studies undertaken and in one of the research papers published by The Indian Journal of Pediatrics, authors have reported a 53% prevalence of bullying in school. Yet another report suggests that 60% of students between the age of 8-14 years reported having experienced bullying and only 35% of parents knew that their children were being bullied which is a very disturbing number. A UNESCO report confirms that 1 in every 3 students has been bullied in school by their peers which include mental, verbal, and physical bullying. These numbers are just the tip of the iceberg because there are so many cases that never even see the light of day. People need to come out and speak about as it might make them feel a little less lonely and the fact that they are not the only ones who went through this or are going through this might help them in coping up with it.

If you get bullied for a long time in school or workplace or any other place by your peers or other people, you develop trust issues. It leaves scars that do not heal even with time. Being a victim of school bullying for years, I cannot even begin to contemplate what exactly had happened in all those years with me. I always draw a blank when I try to recollect those memories because I have dumped those somewhere in my brain but the scars are still fresh. There are certain regrets in my life but the one that tops is not standing up to those people who scarred my childhood. The feeling of guilt still lingers. I sincerely hope talking about it will liberate me. I was skeptical about writing this, speaking about it openly, but let me get it out of my chest once and for all.

Being a victim of school bullying or for that matter, any kind of bullying is not easy to deal with because somewhere you consider yourself responsible for the things happening to you. You convince yourself that you deserve to be treated badly. Your self-confidence, self-esteem, dignity everything is hampered and you stop thinking rationally. You stop loving yourself eventually and in extreme cases, it leads to severe depression, stress, anxiety, or even suicide.

I kept wondering all those years that what did I do to deserve this? After all, we all were kids. They too were people the same age as mine so what made them bully me every single day? Why did I not have any control over the situation? Why did I never confront them and stood for myself? There are

innumerable questions that haunt me now and it is high time that I look for the answers. I probably will never find all the answers but the least I can do is talk about it and make sure the people around me do not go through this.

Anyhow, let me get to the actual point of this article and discuss all the learnings that I had from my personal experience.

First of all, it is extremely important to talk about this openly with either your teachers, parents, siblings, or your friends or your colleagues whoever you will be safe and comfortable with. Speak up. It is perfectly fine to feel fear but do not let it control you. Parents need to talk to their kids regularly and ask them if they are bullying someone or if they are being bullied by someone because in both cases the impact is extremely negative.

Learn to 'spot' a bully and more importantly 'stop' a bully.

Do not, I repeat, DO NOT, consider yourself a victim because once you showcase yourself as a victim, people will be encouraged to repeat those actions because it is exactly how a bully gets his/her power.

It is NOT your fault that people treat you badly. Try and introspect. If you find any fault within yourself, rectify it. Learn to be kind to yourself and others as well.

Being a victim of bullying does not warrant you to treat other people badly. Be humble and be empathetic towards everyone.

Self-acceptance is very crucial so parents must talk to their children and take them to professional counselors if they need to, irrespective of the fact that whether their kid is a bully or a victim.

Forgiving and forgetting is a difficult choice but it is the only way to liberate yourself from all the negative feelings.

Please talk openly about this because today if you do not speak up your future generation might go through the same trauma and I am sure nobody wants that. Therefore, educate your kids.

Sympathize but more importantly, empathize with people. Even those people who bully other people need an equal amount of help so instead of punishing them, talk some sense to them and be patient.

This world is a brutal place and if you let it, it will crush you. Be strong and do not give up without a good fight.

Medical Miracle

Limb donation: India emerging as a center of excellence

Dr. Vaishali Shah

Assistant Professor – SoM
GSFC University



Shreya, a 19 year old tragically lost her hands in an accident. A year later she visited the Amrita Institute of Medical Sciences (AIMS) in Kochi as it was the only center in Asia that had conducted successful hand transplants. She registered for transplant, but the chances of getting a donor were rare.

But miraculously, Sachin a 20 year old had been declared brain dead and his family had agreed to donate his organs including his hands. Shreya's blood type matched his. It took over 13 hours, a team of 20 surgeons and 16 anesthesia specialists to successfully attach the hands to Shreya's body.

For a year and a half, Shreya underwent intensive physiotherapy. Initially the hand felt heavy, it was bulky. But, in the last 3-4 months, there is a remarkable change; the hands are becoming more feminine: fingers are becoming leaner, wrist is smaller, colour of hands has changed to match the rest of her skin tone.

“Very few countries in the world have the capability to conduct hand transplants more so in Asia. India is now one of them. However, neither the potential recipients nor the donors or their families are much aware that hand transplants are now possible in the country. Thousands of hand amputees continue to lead the life of a cripple without realizing that with hand transplants, they can get as much as 95 percent of hand functionality back and lead a normal, productive life. It is not the shortage of skills but the shortage of donors that are the main challenge in hand transplants in the country.” Said [Dr. Subramania Iyer](#), HOD, Plastic & Reconstructive Surgery, Amrita Institute of Medical Sciences, Kochi, who led the team of surgeons which successfully conducted India's first-ever hand transplant in 2015.

“Hand transplants are not life-saving but life-altering. They are entirely different from other transplants – the age, color, size, sex and even skin color of the recipient and donor need carefully matching. The complex surgery is conducted by a team of 25 surgeons and 12 anesthetists across 14 to 16 hours. There is only an 18-hour window in which the donor's hands must be transplanted. The surgery today costs about Rs 20 lakhs, and the patient needs to stay in the hospital for a month.”

Arms are harvested from a brain-dead donor. Each tendon, artery, nerve and vein is identified and tagged. The bones are then connected with metal plates to the body of the recipient, and a total of 25 tendons, 2 arteries, 6 nerves and 5 veins are carefully reattached.

“India is emerging as a center of excellence in organ transplants. While there is lot of awareness about donation of organs like cornea, liver and kidneys, not many people know that hands can be donated too. Hand transplant is an evolving field less than 20 years old, yet it has the potential to contribute significantly to medical tourism.”¹

Lesson to Learn

Loneliness: Curse or Boon?

Ms. Sneha Bajaj

Assistant Professor – English
GSFC University



“A season of loneliness and isolation is when the caterpillar gets its wings. Remember that next time you feel alone.” — **Mandy Hale**

No one needs to be separated from everyone else. Being people, we are wired to be social. Notwithstanding, the truth of the matter is that you can't generally associate with individuals. There are times when you have to sit without anyone else and consider your life or simply make the most of your alone time. Youths incline isolation as they can't hold up under somebody shortening their longings and turning away them from doing what they need. An investigation expresses that when one needs the alluring existence of his own; one starts to make a separation with their own relatives since adolescents are fanciful and unconventional and don't need the observation of any senior - be it a parent/instructor/parents in law to exhortation, alert or advise. This is a shaky time for the young and even though they request isolation; where it counts they long for harmony from the individuals around them. This is the motivation behind why everybody of us adores gatherings and festivities.

We disengage ourselves since we don't expect to have self-image issues. We dread dismissal and never need to be ignored. In this way, we permit forlornness to crawl into a mind and in a life. 'Social separating' makes one all the more desolate. By removing ourselves socially we permit forlornness in our life and along these lines neglect to see the bigger image of life where there is bliss, a culmination of objectives and achievement. The young must comprehend that having dread of dismissal/disillusionment/analysis denies us of the organization of precious ones. It doesn't make a difference on the off chance that somebody doesn't concur with you. All must figure out how to acknowledge the perspectives on others. We as a whole have umpteen desires from our life. Individuals around you have immense desires from us despite the fact that they love us.

Isolation or seclusion whether constrained like the current situation of COVID - 19 or purposeful has its own existence and side effects. What would we be able to do to diminish the force of the impact that we have to relate to the pace of the phase? However, one thing is without a doubt that we have to acknowledge the truth as New Normal and come out with the arrangements that bring all of out from the tempest that hit us with making us socially disengaged and stressing for what's to come.

What one can do during the disengagement is first to make harmony with oneself major and the most significant thing. Congruence originates from the self-investigation and self-perception that we normally miss out during our bustling schedule in everyday life. Let's take the opportunity to learn about ourselves and improve ourselves.

Mother Nature is pleasing as it accepts us unconditionally and constantly showers her blessings on us. The compelling force of nature is satisfying as it acknowledges us unequivocally. When lonely; go amidst Nature, experience it by feeling a sense of harmony; a sense of oneness with it. The mind will gradually get calm and will feel loved and protected.

Don't underestimate the power of your family. The family is the social autonomous entity that has its own positives and negatives however one thing is certain that they will consistently be your moral support when you are in an insecure mental state. Take the help of the family to stay strong together.

Be active through the other means of communications and contact people virtually. Many people out in the world are lonely - youngsters, senior citizens, your distant family members or may be your friends. Come online and talk to them, help them, get them some essential requirements and be an ideal citizen.

Spread awareness about the new situation and how courteously we can adapt it and avoid the disease. Please avoid infodemic. We have an excessive amount of the information around us but we can't rely on everything we hear, we read or we listen. Let's not be illiterate literate. Let's only pass the true and helpful information to others and avoid panic.

Try to contact and reach out to those who need a sympathetic ear. Talk to such people by being empathetic. This will help you to come out of the abyss of loneliness by helping others too in overcoming it. Learn to connect your heart with others and share. So what if you get criticism? Sharing of views is important and being open-minded to those views will allow you to connect with others.

We all are aware of the way our great leaders who were imprisoned during the fight for freedom spent their time. The time in the prison was a lonely one for them but most of them were intrepid personalities who did not fall prey to loneliness. Instead, they remained engaged in their noble thoughts, some of them continued to read and write.

Thus to make a mental connection with others, one must have a goal that can be worked upon. This journey of working towards the goal and identifying it with others will take away the sense of isolation from us. One must figure out how to give up off the stuff; attempt to be substance and support a feeling of delight and harmony in your heart. When you can do this; your needs and desires will break down. Loneliness is a negative mental attitude that will make you hollow. Stay away from it by doing something for others around you. Acknowledge individuals as your own and you will never at any point be forlorn again.

Let's work on our New Normal and I am sure the caterpillar that's inside us will have wings in this isolation period.

Glimpse of the University

Uninterrupted Teaching and Examination by GSFC University ONTI-20 and ONEI-20



Ms. Shivani Joshi

*Teaching Assistant – English
GSFC University*

The ongoing pandemic of COVID-19 has affected the world worst. The world economy has collapsed and all the walks of life have been seized to work. In such a scenario, GSFC University has never failed to provide the students the best of the learning experiences. With the foresighted vision of GSFCU management, the faculties and students were well prepared for the online teaching and learning experiences.

When the major countries around the world was facing the worsening effects of COVID-19, and India was yet spared from the evil eyes of this pandemic, GSFCU Management was all foreseeing the need of an Online teaching. The very day lockdown was declared, GSFCU management, faculties and students were aware what would be the next day schedule – All the things being learnt in physical classrooms would be taught using Google Meet and the relevant online teaching tools. The 23 March 2020 was the first day of Online Teaching and since then the ongoing process has been evolving towards the peak of success.

GSFC University introduced ONTI-20 – Online Teaching Initiative -2020, for the students, where the regular classroom schedules were modified to teach students using Online Video Conferencing Platforms; the virtual labs were introduced so students don't miss the laboratory practical. The Google Quiz forms and online quiz platforms were utilized in the most possible way for incorporating the interactive classroom question-answer sessions. OnTI-20 is the real Digital Evolution for the imparting knowledge. Every fortnight, faculties used to meet via VC to share their experiences and the best tools being discovered and successfully practiced. The cooperation from the part of students and the hard work being put by the faculties and teaching assistances in delivering the lectures in the most comprehensible way paid as the grand success of the vision.

Not only the teaching but the examinations were also conducted using online platforms. With due diligence, GSFC University planned for the ONEI-20 – Online Examination Initiative-2020 and received the zealous response from the students. The Standard Proceeding of the regular exam pattern was modified according to the requirement. The regular faculties and the eminent visiting experts were oriented about the Online Examination procedure. The students were also looked after by the departments and the course coordinators, they were also give the due training for this novel examination. ONEI-20 provided everyone the best of Open Book Examination Concept. Online viva and the interview, Presentation and the practical examinations received and overwhelming response from the students.

EXPERIENCES:

The zestful students recorded their reviews and we are proud while sharing them with everyone.

1. Maitri Patel – MSc- 1st Year- <https://youtu.be/H99UKei4dDo>
2. Dhruvi Rai – MSc-1st Year - <https://youtu.be/rAloN1halWo>
3. Rutvij Wagadiya – BTech Mechanical - 3rd Year- <https://youtu.be/mdLjSIDGwKI>
4. Kathan Vaidya- BTech Mechanical 3rd Year- <https://youtu.be/q248z3qSamk>
5. Jigna Lakhani- BTech Civil- 3rd Year - https://youtu.be/X_AAUdfMTWM
6. Raj Mehta – BTech Chemical-2nd Year - <https://youtu.be/5SdmtWaJ-3k>
7. Anushri Bhatt – BBA- 2nd Year- <https://youtu.be/aOm7UwkEgMo>
8. Shraddha Chapaneri- BBA- 2nd Year- <https://youtu.be/4Hkhexrlmlw>
9. Mitul Chitania – BSc 2nd Year - <https://youtu.be/TPU9CIFckel>
10. Smarth Patel – BBA- 2nd Year - <https://youtu.be/Sp9-iGd89fA>
11. Anjali Niar – BSc Biotechnology- 1st Year - https://youtu.be/j8_Hj8E61o4

GSFC University endeavors to provide nothing less than **THE BEST** to its students.

#OnlineTeaching

#OnlineExamination

Placement Corner

Mr. Naren Acharya

Incharge – Internship & Placement
GSFC University



Below Table shows the statistics of the placement:

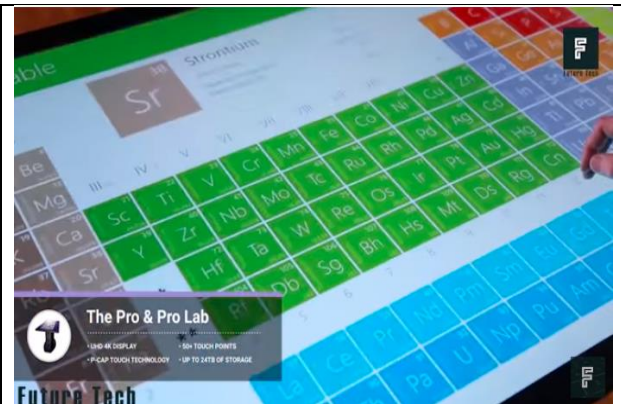
Placement Summary 2020 (up to 27.07.2020)				
Sr. No.	Name of Company	Location	Stream	Number of Students Placed
1	GSFC Ltd	Vadodara	B.Tech - Chemical	2 (*)
2	Atul Ltd	Valsad	B.Tech - Chemical	4
3	GCPTL	Dahej	B.Tec-Mechanical	2 (*)
4	Prakash Chemicals	Vadodara	B.Tech - Chemical	1
5	LCS	Vadodara	BBA	3
6	Deepak Nitrite	Vadodara	B.Tech - Chemical	1
			B.Tech - Mechanical	1
7	GSFC	Vadodara/Sikka	B.Sc-Chemistry	5 (*)
			CCFF	5 (*)
8	Alembic Pharma	Vadodara	B.Sc - Chemistry	7
9	Axtel Industry	Halol	B.Tech-Chemical	2
			B.Tech-Mechanical	3
10	Sterling Biotech Ltd	Vadodara	B.Tech-Chemical	3
11	Zydus Hospira Oncology Pvt. Ltd.	Ahmedabad	B.Sc-Chemistry	1
Total				40
(*) Includes placements of 2019 batch students during current year.				

Happening around the world – Video Links



Title: - 10 Reasons why Finland has the Best Education System in the World

Link: - <https://youtu.be/w41koarq85k>



Title: - 8 NEW TECH GADGETS AND INVENTIONS 2020 | YOU SHOULD HAVE

Link:- https://youtu.be/VPeSq2c_4Fs



Title: - Sundar Pichai's Top 10 Rules for Success

Link: - https://youtu.be/iAlsG_orac8



Title: - GPT 3 Demo and Explanation - An AI revolution from OpenAI

Link: - <https://youtu.be/8psgEDhT1MM>



Title: - Why students should have mental health days | Hailey Hardcastle

Link:- <https://youtu.be/1qq7IDL-bzY>



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