



EVENTIA

A BIMONTHLY NEWSLETTER

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Message from President's Desk

Success does not follow you forever, nor does failure stay with you forever. The permanence.. [View More](#)

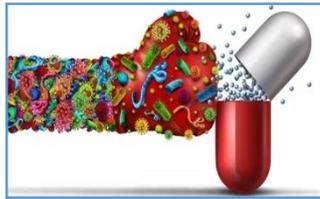
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Click of the Campus



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GSFC University Newsletter Editorial Board



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Editor,
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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



"Success is not final, failure is not fatal: it is the courage to continue that counts."

– Winston Churchill

Success does not follow you forever, nor does failure stay with you forever. The permanence of wonderful things is doubtful since we don't know what awaits us in the cave of the future. Life is about moving from one milestone to the next, and the best thing we can do is to improve ourselves day by day. Learning from your prior self, improving your personality by incorporating good attributes and not dwell on momentary failures and particularly from past mistakes, is the best approach.

At GSFC University, we take a comprehensive approach to assisting students in establishing themselves in society. The teaching and learning system at the university also assists and supports students in achieving complete excellence via the development of strong hard skills as well as outstanding soft skills. Students will learn not only how to manage success and hard work but also how to handle failure with grace, as we believe it has the power to transform all of our flaws and negativity into strengths and optimism.

I always think that failure is a natural motivator that drives us toward success if it is regarded as a learning opportunity rather than the be-all and end-all. At the same time, we must avoid being overconfident and arrogant in the face of frequent success. The holistic approach of the university and curricular, co-curricular, and extra-curricular activities at the university always encourage children to sail through the different experiences of life and will train them to handle failure as well as success.

I hope and wish that you continue to make experiences an integral part of your learning and achievements.

Message from Provost's Desk

Dr. Nikhil Zaveri
Provost (Vice Chancellor)
GSFC University



"If you really look closely, most overnight successes took a long time."

— Steve Jobs, Co-Founder of Apple Inc.

The media frequently portrays achievement in ways that make it appear to have occurred overnight. Except for rare occasions, few of these success stories occur overnight. Instead, success stories emerge after extended years of serious struggle and commitment. Perhaps success came all at once, but there was probably a time of hard work, a turning point, and then a breakthrough came rapidly.

Many entrepreneurs report making tough decisions that changed their lives for the better. Be willing to make the difficult calls and push through the difficult times. The recipe for success contains a lot of hard work. Unless your experience is unique, hard work and perseverance most often lead to success. If we're scared of hard work, we will likely have a harder time achieving success.

We sometimes measure our success and advancement on the success and progress of others, but this can be detrimental. We are better served by believing in ourselves and basing our ideals of success on ourselves because we will succeed if we believe we can.

We urge our youngsters to be well educated about current events and global concerns. They should be fully informed of the hardships and accomplishments of their country's great leaders. They should be able to comprehend compassion and fraternity. All of the education youngsters acquire will empower and confidently prepare them to confront adversity and deal with any scenario.

I wish all young people a bright tomorrow!

From Editor's Desk

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



Greetings!

I am delighted to present the next issue of Eventia, the university newsletter. As usual, we carefully considered the newsletter's multidimensional idea while keeping the university's mission in mind. We are excited to present financial, social, intellectual, and life skills articles. In order to encourage the students, we also highlighted the teacher's scientific study, which was appreciated and applauded. With this issue, we are excited to launch a new column called "Click of the Campus," where students can showcase their photographic prowess and we can discover and explore the beauty of the lush green campus of the university. I would like to thank the whole team of Eventia for their support and contribution.

Happy reading!

With Best Regards,

Ms. Sneha Bajaj

Chief Editor – 'Eventia' & Assistant Professor GSFC University

Guestinspiration Post

Antibiotic resistance Part I: What are Nosocomial infections?

Dr. Devjani Banerjee

Associate Professor, Biotechnology
GSFC University



According to the World Health Organization (WHO), Nosocomial infections (also known as “Hospital-acquired” infections) are defined as “An infection occurring in a patient in a hospital or other health care facility in whom the infection was not present or incubating at the time of admission”. This includes infections acquired in the hospital but appearing after discharge, and also occupational infections among the staff of the facility” [1]. The symptoms of these infections are generally detected in the patient(s) within or more than 48 hours of the length of stay of the patient(s) in the healthcare facility [2].

Nearly 2 lakh individuals are affected annually in the U.S. from nosocomial infections and around 90,000 deaths are recorded each year, priming the severity of these infections [3]. Nearly 4 million people are affected in Europe alone [4]. Additional studies have also revealed that nearly 5-10% of all patients admitted to various healthcare facilities across Europe and North America suffer from Nosocomial infections, with Asia and Africa accounting for 40% of such cases [4,5].

Numerous types of healthcare-acquired infections are prevalent, which are caused by either direct or indirect contact between the patients and the source [6]. The principal sites for the incidence of nosocomial infections include the respiratory tract, bloodstream, surgical sites/ areas undergoing invasive procedures and Urinary tract infections [7]. This has solicited an elevated change in the existing remedial procedures for the treatment of the patient(s) admitted to these facilities.

Several factors have attributed to a high risk of susceptibility in the patients from attack by these opportunistic pathogenic microorganisms, thereby resulting in the upsurge of monetary (in the range of 4.5 to 5.7 billion dollars U.S. per year), morbidity and mortality threats upon the individuals admitted in these healthcare facilities [8,9].

Some of the principal ones are listed below:

1. Prolonged and irrational usage of conventional antimicrobial agents, resulting in the development of antibiotic-resistant pathogenic strains.
2. The staff personnel/ infection control department's incapability in maintaining the mandatory sterile conditions in the health care facility.
3. Reduced inherent immunity of the patient leads to increased susceptibility toward pathogenic microorganisms.
4. Inadequate knowledge of the sophistication and complexity of the treatment procedures followed at the healthcare facilities.
5. Absence of proper guidelines and policies for the elementary infection control protocols, etc.

GUIITAR Council Celebration: National Science Day

Mr. Kirankumar Parmar
Sr. Manager, GUIITAR COUNCIL



GSFC University, GUIITAR Council, Students Startup Innovation Policy (SSIP), Institution's Innovation Council (MoE) and Startup Gujarat celebrated National Science Day on 28th February, 2022.

Mr. KirankumarParmar invited MayurPanchal and Mr. Kevin Nariya M.SC. final year, SoS students to share their "Idea to Prototype Development" journey with Faculty Members and Students. They have developed 100% Biodegradable Sanitary Napkin with the guidance of Dr. Mriganka Das & Dr. RajniPania, Asst. Professor (Chemistry), SoS, GSFC University and Industry Expert Mrs. Swati Bedekar, Founder Vatsalya Foundation.

Mr. Mayur said initial period was difficult for his team as working and discussing on development of sanitary napkin project was considered a taboo.They used waste orange peel, neem leaves, waste cotton and other ingredient as raw materials. They have developed low cast bio-degradable Sanitary Napkin which is completely free from plastics, perfumes, toxins and have antimicrobial properties.

Mr. MayurPanchal and Mr. KevinNariya were invited to Maker Fest Vadodara 2022 on 26th and 27th February, 2022 at Faculty of Engineering & Technology, MS University Vadodara to showcase their innovation. Both have received good exposure and experience by participating in Maker Fest Vadodara 2022.

Mr. Mayuralso shared his two days of experience, feedback and learning with faculty members and Students. Now, both want to start their Startup by constituting a company and further product development as per the market requirement.

Mayur received SSIP funding support of Rs. 1,04,000/- for Prototype Development under the Students Startup and Innovation Policy (SSIP).

Dr. Nikhil Zaveri, Provost, GSFC University congratulate students& faculty mentors for developing prototype of Biodegradable Sanitary Napkin. He encouraged faculty members to identify & mentor social initiative projects under GUIITAR Council.

Dr. Saroj Shekhawat, CEO, GUIITAR Council urged faculty members to identify 2 to 3 innovative projects and submit proposal to GUIITAR Council for incubation support.



GUIITAR Council

Vigyan 2.0: Hackathon 2022

Mr. Kirankumar Parmar
Sr. Manager, GUIITAR COUNCIL



GUIITAR Council, GSFC University, Startup Gujarat Cell – Industries Commissionerate, Students Startup Innovation Policy (SSIP) and Institution’s Innovation Council (MoE) organized a **Vigyan 2.0 Hackathon 2022** from 29th to 31st March 2022 through Online and Offline Mode.

The Inaugural Ceremony of Vigyan 2.0 Hackathon 2022 was hosted by Mr. Kirankumar Parmar, Sr. Manager, GUIITAR Council, on 29th March 2022 through the online platform GOOGLE Meet. The ceremony started with a warm welcome to the GSFC University Management, Internal Jury Members, Faculty Mentor, CEO – GUIITAR Council and Participants.

Dr. Saroj Shekhawat, CEO, GUIITAR Council welcomed all the participants and wished for the success of the event. She congratulated the organizing team for such a value-adding event under Vigyan 2.0.

On the first day, 29th March 2022, of Hackathon 2022, a total of 26 teams and 110 participants were invited for the first round of Mentoring and Evaluation. Internal Jury Members Ms. Shweta Rajput, Dr. VirajBhanvadia and Dr. TruptiGajaria mentored and evaluated all the team of Hackathon 2022.

On the second day, 30th March 2022, of Hackathon 2022, a total of 26 teams and 110 participants were invited to the 2nd Floor, GUIITAR Council, Anviksha, GSFC University. Student volunteers welcomed external jury members Mr. Pradip Patel, Mr. RudreshVyas and Mr. PrakashVaghasiya with a flower bouquet and introduced them to the participants.

All 26 teams were allocated seating space in seven GUIITAR Council labs. External Jury members visited all the 26 teams’ participants and the second round of evaluation was completed. After an efficient interaction, teams got encouraged to modify their project and had the desired outcome. They have again evaluated all the teams in the final power round and submitted marks for the result declaration. Few teams had amazing execution, which impressed Jury Members due to which they got an opportunity to work under the guidance of the team for further development.

Shri P. K Taneja, IAS (Retd.), President, GSFC University, Dr. Nikhil Zaveri, Provost, GSFC University, Mr. Mahesh Barot, Assistant Director (Admin.), Dean, Associate Dean, Sr. Management of GSFC University, Faculty Members, Vigyan 2.0 Team and GUIITAR Council Team visited and mentored teams on 31st March 2022.

President, GSFC University has interacted with participants and motivated them to research more on the ideas of Product/Service/Process development. He has also instructed Sr. Manager, GUIITAR Council, to provide all the necessary support to the students for their start-ups. He has distributed Cash Prize and Winner Trophies to the 1st, 2nd and 3rd Winners of Vigyan 2.0 Hackathon 2022 on 31st March 2022.

Dr. Nikhil Zaveri, Provost, GSFC University visited and interacted with all the teams on 30th March, 2022. He congratulates all the participants for participating in Vigyan 2.0 Hackathon 2022 to demonstrate their ideas/projects for validation and to provide a solution to the Industry/Institute.











GUIITAR Council

Exposure: Maker Fest Vadodara 2022

Mr. Mayur panchal

M.Sc. Chemistry, SoS, GSFCU



I, Mayur Panchal and my team member Kevin Nariya, M.Sc. Chemistry, SoS, GSFC University applied to participate in Maker Fest Vadodara 2022 for our project “100% Biodegradable Sanitary Napkin”. Our project was selected and we have received an invitation to showcase our prototype on the 26th and 27th of February 2022 at M. S. University, Vadodara.

Maker Fest Vadodara 2022, organized by Yuvalay Electronics Lab and Vadodara Innovation Council at M. S. University as co-hosts. A total of 60 teams demonstrated 250+ projects in the area of science & technology, environment, education, medical, agriculture, art & craft, and others.

A brief of Maker Fest Vadodara 2022 was shared by Shri. H. T. Patel, Managing Trustee, Yuvalay Charitable Trust to the participants during the inauguration function. Shri. M. Nagarajan, IAS, Director of Higher Education, GoG, invited as Chief Guest and Shri. Premraj Keshyep, MD, KYB Conmat invited as Guest of honour.

Dr. Nikhil Zaveri, Provost, GSFC University, Dr. Mriganka Das, Asst. Professor (Chemistry) and Mr. Kirankumar Parmar, Sr. Manager, GUIITAR Council, visited the Maker Fest Vadodara 2022 and motivated us.

We interacted with Investors, Industry experts, NGOs, Students, Startups, and Govt. Officials. We have explained our project in brief to the visitors and by doing this our confidence and communication skills improved. We have received Rs. 1.04 lakhs grant from GSFC University and SSIP to develop a prototype. We are also thankful to the GUIITAR Council for providing opportunities and support to participate in Maker Fest Vadodara 2022.





રાજ્યભરમાંથી ૬૦ મેકર્સ ટેકનોલોજી, મેડિકલ અને આર્ટ વિષયક ૨૫૦ જેટલા પ્રોજેક્ટ, સ્ટાર્ટઅપ પ્રસ્તુત કર્યા

MSUની ટેકનોલોજી ફેકલ્ટીમાં બે દિવસીય મેકર ફેસ્ટનું આયોજન કરાયું

સંદેશ

વડોદરા ઈનોવેશન કાર્પોરેશન, યુવાલય ઈન્કુબેશન તેમજ એમ.એસ.યુનિ.ના સંયુક્ત ઉપક્રમે ૨૬ અને ૨૭ ફેબ્રુઆરીના રોજ ટેકનોલોજી ફેકલ્ટી ખાતે મેકર ફેસ્ટનું આયોજન કરાયું છે. જેમાં સમગ્ર રાજ્યમાંથી ૬૦ મેકર ટીમ દ્વારા સાયન્સ એન્ડ ટેકનોલોજી, મેડિકલ, એગ્રીકલ્ચર, આર્ટ એન્ડ ક્રાફ્ટ સહિતની કટેગરીમાં ૨૫૦ જેટલાં પ્રોજેક્ટ-સ્ટાર્ટઅપ પ્રસ્તુત કરવામાં આવ્યાં છે.

આ વર્ષે મેકર ફેસ્ટમાં અમદાવાદ, નડિયાદ, સુરત, રાજકોટ સહિત વિદેશી ભણવા આવેલાં વિદ્યાર્થીઓએ બનાવેલાં પ્રોજેક્ટ પણ ડિસ્પે કરાયા છે. જેમાં પાણીથી ચાલતું રોકેટ, ક્વીઝ હાર્ડી, બર્ડ રોન, કબાડ કા જુગાડ, બાયોડિઝેબલ સેનેટરી પેડ્સ, હોલિસ્ટીક લાઈટ પેઈન્ટિંગ ફોટોગ્રાફી કન્સેપ્ટ, કુદરતી મિનરલ્સથી ચાલતું વોટર પ્યોરીફાયર, સોલાર પેનલમાં ઘણેલી ખામી શોધતું રોન, શિશુ માટે રોબોટ, પ્રોસેસિંગ લીમ્બસ વિશ રિમોટ સેન્સર સહિત અન્ય પ્રોજેક્ટ ડિસ્પે કરાયા છે. ટેકનોલોજી ફેકલ્ટીમાં ૨૭ ફેબ્રુઆરીએ ૧૧ થી ૪ વાગ્યા સુધી હેરિટેજ વોક તેમજ ટ્રેક વિભાગ દ્વારા વિજ્ઞાન વિષયક ડિસ્પે ખુલ્લા મુકાશે. ઉપરાંત એલ્યુમિનાઈ મીટમાં ૫૦૦ પૂર્વ વિદ્યાર્થીઓ જોડાશે.



સમગ્ર રાજ્યમાંથી મેકર્સ એગ્રીકલ્ચર, મેડિકલ, આર્ટ, સાયન્સ એન્ડ ટેકનોલોજી વિષયક બનાવેલાં પ્રોજેક્ટ્સ રજૂ કર્યા હતા.

શહેરના આસિ.પ્રોફેસરે પાણીથી ચાલતું રોકેટ બનાવ્યું

મેં ગુજરાતમાં સૌ પ્રથમ પાણીથી ચાલતું રોકેટ બનાવ્યું છે. જે ગળ પાવડરથી બનાવતાં રોકેટ જેટલી જ ઉડવાની ક્ષમતા ધરાવે છે. જે ૫૦૦ ફુટ ઊંચી ઉડી શકે છે તે પાણીથી ચાલતું હોવાથી સામાન્ય લોકો માટે પણ અફોર્ડેબલ છે. જે પાણીના પ્રેશર અને પેરાશૂટમાં વપરાતા મિકેનીઝમ પર કામ કરે છે. આ પ્રોજેક્ટ પૂર્ણ કરતાં મને ૬ મહિનાનો સમય લાગ્યો છે.



સશા દિગ્વિષય, આસિ પ્રોફેસર, SVTI

કબાડ કા જુગાડમાં વેસ્ટમાંથી ઉપયોગી વસ્તુઓ બનાવી

અમે ધો.૧૧માં અભ્યાસ કરીએ છે. અમે વેસ્ટ વસ્તુઓ જેવી કે પ્લાસ્ટિક, સ્ટોન, નકામા બલ્બ, ગ્લાસ બોટલ વગેરેમાંથી ફોટોફેમ, મોબાઈલ ફોલ્ડર, વોલ હેંગિંગ, સ્ટોનને પેઈન્ટ કરીને શો પીસ બનાવ્યાં છે. જેને અમે કબાડ કા જુગાડ નામ આપ્યું છે. જેમાં અમારી સાથે પાંચ શિક્ષકો જોડાયેલાં છે. મહેક રસાણિયા, વિદ્યુત બોડ વિદ્યાલય

લોકડાઉનમાં લાઈટ પેઈન્ટિંગ ફોટોગ્રાફી ટૂલ વિકસાવી ક્રિએટિવ ફોટોગ્રાફી કરી

અમે લાઈટ પેઈન્ટિંગ ટૂલથી એક જ પ્રિમાઈસમાં વિવિધ બેકગ્રાઉન્ડ સાથે ક્રિએટિવ ફોટોગ્રાફી કરી શકાય તેવો કોન્સેપ્ટ ડેવલોપ કર્યો છે. જેને અમે હોલિસ્ટીક-ધ અલ્ટીમેટ લાઈટ પેઈન્ટિંગ ટૂલ નામ આપ્યું છે. જે ભારતમાં ખૂબ જ રેટલી ઉપયોગમાં લેવાય છે. રોહિત મેડવાલ, ચાન્સેટ યુનિ.

બરોડા હાઈસ્કૂલમાં નેશનલ સાયન્સ ડે નિમિત્તે વિવિધ પ્રોજેક્ટ રજૂ કરાયા

દંતેન્વરની બરોડા હાઈસ્કૂલના વિદ્યાર્થીઓ દ્વારા વિવિધ રોપિંગ જીવનમાં વૈજ્ઞાનિક પાઠો આવરી લેતાં ૨૦ જેટલાં પ્રોજેક્ટ પ્રસ્તુત કરવામાં આવ્યાં છે. જેનું પ્રદર્શન ૨૮ ફેબ્રુઆરી સુધી નિહાળી શકાશે.

બાયોડિઝેબલ, ઈકોફ્રેન્ડલિ સેનેટરી પેડ્સ બનાવ્યા

મેં સંપૂર્ણપણે ઈકોફ્રેન્ડલી તેમજ બાયોડિઝેબલ સેનેટરી પેડ્સ બનાવ્યાં છે. જેમાં સંતરા-મોસાંબીની છાલ અને કઠી લીમડાના પાવડરનો ઉપયોગ કર્યો છે. જે એન્ટી ફંગલ, એન્ટિ બેક્ટેરિયલ હોવાની સાથે શોષણ ક્ષમતા ખૂબ સારી ધરાવે છે. આ પેડ્સની શોષણ ક્ષમતા ૨૫-૩૦ ml છે. મનુષ્ય પંચાલ, M.sc ફેમિલરી, GSFC યુનિવર્સિટી

Finvest Chronicle

Dr. Chetna Parmar

Associate Professor – SoM
GSFC University



Government Income as a form of GST

The Ministry of Finance has notified the extension of levying compensation cess under Goods and Services Tax which is called GST. The levy of the cess was to end on 30th June 2022. The extension of the cess will help pay for the liquidity support given to the government under the recovery during Covid -19 pandemic when cess collection was very minimum and not sufficient to compensate states for their GST revenue losses due to less production and manufacturing.

Inflation in the Economy:

A YouGov has conducted a survey on inflation's impact on household and their reaction to raising the price level. A total of 1,013 urban respondents showed that rising inflation had increased the cost of living for a majority of urban Indians as compared to last year. While 46 percent of the respondents said that their cost of living had increased slightly, 31 percent said it went up a little. The recent rise in inflation has also forced the urban Indian households to reduce expenditure on fuel, clothing, outing, purchase of gadgets, and many more, in the last six months. Another 29 percent of the respondents stated that they cut their expenses on petrol or diesel with the recent hike in fuel prices, while 28 percent cut down on eating out at food and beverage outlets.

Banks – Deposit Rate

All commercial banks have rise rates of interest to attract investors; last week, the State Bank of India (SBI) – the country's central bank and the largest lender, increased the retail rate by 20 basis points or 0.2 percent point for fixed income deposits of less than two years. Major private lenders such as HDFC Bank and Axis Bank raised rates by 35 and 15 basis points to six percent in May 2022, offering six percent on deposits of more than Rs. 1 million. In June 2022, Kotak Mahindra Bank increased its fixed deposit rates by as much as half a percentage point.

A major focus is on seeking to raise funds to meet growing credit demand in spite of higher lending rates and new in covid -19 inflections having little impact on economic activities. Month, Kotak Mahindra Bank increased its fixed deposit rates by as much as half a percentage point. Banks are seeking to raise funds to meet growing credit demand in spite of higher lending rates and the new spike in Covid-19 infections having little impact on economic activities.

Mutual Fund: FMPs

A mutual fund is one of the best option investments with a risk minimum by applying different types of mutual funds in the basket. In the present situation for tax planning and minimax tax liabilities, investors may choose close-ended funds. Below are the details for the close-ended funds with a return in the corpus.

Scheme Name	Tenure (days)	Maturity Date	Corpus (Rs.)
Aditya Birla SL FTP	1879	May 2027	176
HDFC FMP – Sr- 46-1162D	1162	May 2020	27
HDFC FMP – Sr- 46-1161D	1861	April 2027	375
HDFC FMP – Sr- 46-1176D	1876	May 2027	26
Kotak FMP – 294 – 105D	105	July 2027	204
NIPPON India – KLII – 5- 23150	2315	July 2028	139
SBI FMP – 58- 1842D	1842	Jan 2027	202
SBI FMP – 59- 1618D	1618	July 2026	23
SBI FMP – 60- 1878D	1878	April 202	199
SBI FMP – 61- 1927D	1927	July 2027	270
SBI FMP – 62- 1191D	191	October 202	134

Students' Corner

Dreams

Ms. Forum Mistry
BSc Chemistry, Semester II
GSFC University



What are dreams?

When our unconscious mind collects the known information in a way, we want to mould it, defined as dreams. Dreams themselves self tell, “dear reality excite me in amazing mindset site”.

The dream is an image one wants to create for himself in the future. For example, I remember a dream that I had stitched out with lots of happiness and courage but was cut by the scissors of questions in rude talks. It was a day when I realized the mentality of people. One question stuck in my mind at that time “How can people be so rude or so mean to break others' dreams without encouraging and by judging them with questions?” From that, I look at dreams in some different ways.

Dreams are just a fundamental reality that we imagine on our way. So it's not to judge how people are dedicated about how they want to go or how much they know about that way.

Dreams are delicate things that should handle adequately. But by theoretical expectations dreams, a don't mean anything; they are just merely electrical brain impulses that pull random thoughts and imagery from our memories.

“Dreams are not that you see in sleep; dreams are something that doesn't allow you to sleep.”
- Dr. A.P.J. Abdul Kalam

If you read Dr. Kalam's biography, you will find one proof of totally wrong ideology talk: "Teacher ka beta teacher he Banta he". Dr. APJ Abdul Kalam's father's job was just a boat owner; did Dr. Kalam ever refer to being a boat owner? No. He always wanted to become a scientist and serve the country and further, he reached a peak and dreamed of India as a developed nation by 2020. Although there were also many religious problems, and people could also taunt him, how could a boat owner child be a scientist?

But Dr. Kalam was too dedicated to pursuing his dreams. He always used to ignore their talks and mind his business. So he became the best example of a person dedicated to their dreams and people who had set their mind to break others' dreams according to their references and position. But Dr. Kalam was too dedicated to pursuing his dreams. He always used to ignore their talks and mind his business. So he became the best example of a person dedicated to their dreams and people who had set their mind to break others' dreams according to their references and position.

Why do society or parents always refuse to accept a child's dreams and want them to run in the way of people's talk? It's a tremendous thing to break someone's beautiful dreams. If a child does not wish to become a teacher, why should we force them to be that, though the child is too dedicated to becoming an engineer? If a person doesn't know who the first famous engineer in the world was? It's not mean that a person is doing a blind race!!!!!! What is the public's right to ask this question and break dreams?

But sometimes though public, parents are also responsible for discouraging their children's dreams. Not a child but parents make a blind race with society. If someone says to make our child do government exam, there are so many benefits, and the next moment they issued magazines with the latest updates and forced their child to pass it. If a child explains that he wants to be an engineer, parents see the negative points in that field and make him too discouraged to see their wished position in life. And further, he will always have a fear of seeing dreams and starts scarifying in everything. Dreams are always connected to our real life. It happens many a time whatever we did in the day it recalled in our mind and happened in our way, on our own rules, on our imaginary with freedom from everywhere and, i.e. known as dreams!!!.

If dreams are achieved, success will automatically be achieved with a new story and new example. But if success is achieved, then we fill that our dreams are fulfilled that will not make a new story or example to the world because it is that success to which all are doing the blind race. Dreams make a good story, but everything happens when we're awake.

Hence don't be the same as others; be better. Goals are created to set one's career, but dreams are created to set one's life and to live it. Dreams are delicate, as talked about previously because in that one's emotions and feelings are wounded and beautiful. If you are bonded with your dreams, then don't see them in sleep; just directly execute them in life without telling anyone because the public will always be there to discourage you.

Dreams are like; if you can do it, then do, and if you can't do it, force yourself to pursue it because it is you who dream it!

Lastly, dream big to complete it before death reaches you because some different dreams can change the world's mentality and you will set an example for everyone.

Students' Corner

Biofuels for Blissful Future

Mr. Shubham Joshi
Chemical Engineering, Semester II
GSFC University



As quoted by Rod Blagojevich, "Biofuels are the future of energy in this nation and around the world."

The most prominent and revolutionary thing that occurred is on 27th August, 2018 when Spice Jet Airlines had made a remarkable history in the Indian Transportation Sector where an airplane flew from Dehradun to New Delhi with the help of Bio-Fuel. It's really fascinating! That flight not only took 20 people to the sky but also inflated and empowered the hopes of the Indian Bio-Fuel Sector.

Bio-Fuels are basically the Transportation Fuels like Ethanol, Bio-mass based diesel Fuel and many more. Mainly, these Bio-Fuels are either blended with petroleum fuels or used separately.

Now, let me break this amazing stuff. As our internet services are bifurcated into 1G, 2G, 3G and 4G likewise Bio-Fuels are also classified in 1G, 2G, 3G and 4G classifications respectively. Just like 1G Internet, 1G Bio-Fuels exercise the conventional technologies. 2G Bio-Fuels are being produced from waste bio-mass 3G Biofuels mainly uses various microorganisms like algae, bacteria, protozoa and Fungi. And, 4G Bio-Fuels are a very unique combination of genetically prepared micro-organisms and genetically engineered Feed-Stocks.

So, before the elaboration of Bio-Fuels of various types and its significance let's see the terminology that define it efficiently. The impactful definition of sustainable is meeting our own needs without compromising its availability for the upcoming generation and their needs.

Moreover, there are 4 types of Bio-Fuels. First one is "Bio-diesel" which is a renewable resource prepared from vegetable oil, animal fat and Fatty Acids. It is Non-Hazardous and the replacement of gasoline, which is very popularly known as Petrol can be efficiently done by using Bio-diesel. Then comes the Bio-ethanol which is again the renewable fuel prepared from the sugar fermentation process. Further we have Biogas and Bio-Hydrogen as renewable sources.

Today, the entire globe is opting for Bio-Fuels! The most advantageous thing about Bio-Fuels is it helps in keeping the environment clean and green minimizes the Green House gas pollutant's emission and the list goes on.

USA, Indonesia and Brazil are the short-listed three countries for the maximum production as well as the utilization of Bio-Fuels. USA which is the current leading country in Biofuels was able to replace 75% of imported oils with Biofuels. Indonesia is the highest manufacturer of Bio-Fuels all over the Globe. Sugar and soy-based ethanol are widely used in Brazil and their Net Energy Balance is higher.

And, India also has brought forward its target of blending petroleum with 20% ethanol by 2025. Make it overall an Energy Basket Cleaner. Honourable Prime Minister of India Shri Narendra Damodardas Modi ji also stated the significance of Bio-Fuels as cleaner fuels which helps in keeping the climate better and even it also generates a very good employment rate. A big number of companies uses Bio-Fuels. The First and Foremost is GSFC Agro-Tech Limited accompanied by Reliance Industries limited, Indian Oil Corporation limited, Universal Bio-Fuel and many more. Consumption of Bio-Fuels has increased from 2.9 thousand barrels to 44.55 thousand barrels per day in 2019. The most interesting fact about Bio-Fuels is the use of C-Kalp which is an innovation in Bio-Fuels that many researchers are looking forward in the nearer future. C-Kalp is a fast growing organism and it may be used as an innovative Bio-Fuel.

I would like to conclude by stating that: Fossil Fuels are an expensive choice whereas Bio-Fuels are wiser fuels. Choose wise and right fuels for yourself and environment!

Key Aspects

Sustainable Development – One of the Core & Emerging Bottom Line

Mr. Tarang Dave
Dy. Manager - Finance
GSFC University



Sustainable Development, in my view, refers to the concept of discipline over the usage of the various natural resources for the overall development in such a way that the same can be sustained for future generations as well. Earlier, the core bottom line for any business was earnings from such business (i.e. Profit / Revenue). But, gradually, all companies are required to consider the well-being of society as well in the form of a second bottom line. So now, during the present time, Sustainable Development is one of the cores and emerging third bottom lines for every stakeholder of the world.

The concept of Triple Bottom Line measures the performance of the business on the following three criteria:

1. Profit (First Bottom Line)
2. People (Care for Society) (Second Bottom Line)
3. Planet (Care for Planet and Environment) (Third Bottom Line)

Sustainable Development includes both economic and non-Economic criteria to measure the impact of various businesses' development. Economic Parameters broadly have Earnings, and non-economic parameters represent the well-being of Society and Ecological balance.

Honourable Prime Minister of India (Shri Narendra Modi) recently addressed the G7 Summit (in Germany) and said that "Unfortunately, it is believed that there is a fundamental collision between the developmental goals of the world and environmental protection. There is also another misconception that poor countries and poor people cause more damage to the environment. India did not let its commitment to the environment get diluted even a single bit. 17% of the world's population resides in India. But, our contribution to global carbon emissions is only 5%. The main reason behind this is our lifestyle, based on the co-existence theory with nature" (source: pmindia.gov.in).

To attain the objective of Sustainable Development, each effort of (any) Development should be in line with the sustainability and protection of people and the environment. Nowadays, the mentality of earning profits 'at any cost' has an adverse impact on the crucial goal of Sustainable Development and may dilute the health of the environment. For sustainable development, it is very much necessary to adopt a lifestyle which maintains an ecological balance as much as possible.

The recent and considerable practical example of "Lifestyle for Environment" is an action initiated by the Government of India by imposing a ban on identified single-use plastic items from 01st July 2022. Ministry of Environment, Forest and Climate Change has invited all stakeholders' effective and concerted actions to achieve success in such an important decision. The success of such a step will definitely bring the revolution towards mitigating pollution caused by littered single-use plastics. All such initiatives are aimed toward Sustainable Development.

The concept of "Carbon Credit" has already been introduced in accounting terminology. Under this concept, Businesses are allowed to emit a predefined quantity of carbon dioxide and other harmful gases into the environment. If the Business can reduce the emission level, it would have excess carbon credits in its account. Now, such excess carbon credit can be traded to other business houses to earn income from the same. This concept has remarkably encouraged Organizations to reduce emissions of harmful gases in the environment to make the cost structure more effective. As the excess available carbon credit can be sold to other organizations, such income will reduce the cost of production to that extent. The concept of Carbon Credit is one of the notable contributors to protecting the environment by controlling the greenhouse impact, which ultimately leads to a positive impact on Sustainable Development.

The optimal use of Solar Energy, Electric Vehicles etc., is a remarkable step towards sustainable development. Such actions will reduce carbon and other harmful emissions, ultimately increasing environmental protection. But, of course, we can also optimize the use of technology to focus on growth & development strategies that are sustainable in nature.

Participation of the Public will make the wings of Sustainable Development stronger. As responsible citizens, we need to address the following points to contribute to Sustainable Development.

- Lifestyle for Environment
- Discipline in the usage of Natural Resources
- Development without harm to the Environment
- Reduction in the level of pollution (all types) as much as possible.
- Increase in the plantation
- Avoid the use of single-use plastic
- The environment-Friendly approach to the Business Growth
- Increase awareness of sustainability

The emerging core bottom line, "Sustainable Development", will definitely preserve the planet and its resources for our upcoming generations, which would make their lives meaningful and better in all respect. So let's try for our best participation to create an era of sustainable development.

GUITAR Council

Workshop: Augmented Reality (AR) and Virtual Reality (VR)

Dr. Saroj Shekhavat
CEO, GUITAR COUNCIL



GSFC University, GUITAR Council, Students Startup Innovation Policy (SSIP), Institution's Innovation Council (MoE) and Startup Gujarat organized three days workshop from 14th to 16th March 2022 at Programming Lab, 2nd Floor, Anviksha, GSFC University.

Mr Raj Gohil, Trainer, Exposit ARVR, was invited for the three days workshop and a total of 15 students trained in AR and VR technology.

On day 1, students learned the basics of AR and VR Technology, Unity Engine Software & its usage, C# and OPP concepts, real game building, oculus usage and UI system.

On day 2, students learned the difference between AR, VR and Mixed Reality, a Unity software function, AR foundation, Vuforia SDK, and the developer's portal exercises.

On day 3, students learned to deploy Vuforia image target on Android phone, Unity UI element, Slider App to change the colour of the material of the projected object, basic animation for a Spawned object, adding sound & animation and delousing final build in the oculus.

At the end of 3 days, students understand the AR and VR technology fundamentals and can build AR and VR applications.



Workshop on Interview Skills – Placement Division

Ms. Sneha Bajaj

Assistant Professor – English & Soft Skills
GSFC University



The placement department of GSFC University has arranged a full-day workshop on “Interview Techniques” on 26th March 2022 at the SOT auditorium by Ms Sneha Bajaj. Ms. Ankita Patel was the moderator of the workshop. Thirty-nine students from the School of Technology, School of Science and School of management were present in the workshop. The students learnt about the physical interview, virtual interview, the difference between CV, Biodata and resume, pre-requisite of the interview, verbal and non-verbal communication during the interview, code of conduct, negotiation and post-interview communication. The students gave a very positive response to the workshop.



Think Aloud

It's all about Perception

Mr. Dhairya Patel

Teaching Assistant – Physics
GSFC University



Let me start this article with a beautiful story that can change our way of thinking.

Once upon a time, a young man was very unhappy with his life. He felt depressed and terrible all the time. One day, he decided to visit his spiritual master and asked for a solution to his problems. The young man went to him and said, "I have so many problems in my life that I am always sad. Please give me a solution. How can I be happy?" The spiritual master listened carefully to him. The spiritual master took a glass of water and a bowl full of salt. The master asked a man to take a handful of salt from that bowl, place it in the glass, and then drink that water. The master then inquired as to how it tasted. The young man responded, "It is terrible." All that I could taste was salt. Now the master asked that young man to take a handful of salt and come with him. They both went to a nearby lake. Then the master said, "Now put the salt in the lake." A young man swirled his handful of salt into the lake. After that, the master asked him to drink water from the lake. A young man took some water and drank it. The master asked, "How does it taste?" The young man responded. Sir, it tastes good. The master asked again, "were you able to taste salt in this water? Even if you wanted to, you simply cannot". The master said, "My dear friend, the pain of life is like that natural salt." The amount of pain in life remains the same. It depends on the container we put it in. So, when you are in pain, the only thing you can do is enlarge your sense of things. Stop being a vessel and become a lake.

If we use the example of the lake to demonstrate our patience and if we observe in our daily lives, we will find that if you have a little patience, like a glass of water, then even minor problems in your life will start to feel big to you. But, on the other hand, if you have a plethora of patience, like a lake, then even the biggest problems will not be able to disturb you much.

Very few things happen the way you want them. I want you to understand this. If you keep the scope of your life very limited, let's say just your education or your profession or your family, then maybe ninety percent of things will happen your way. Ten percent of things don't happen your way, but if you expand your activities globally, then you will see only ten percent of things happen your way. 90% isn't going to happen your way. Your only problem with life is that it's not happening as you think it should. If it's not, then maybe it's happening somebody else's way, and most people say they believe in God, so maybe it's happening His way. Look at how you thought two years ago and how you're feeling today. Is it the same? In most cases, you are glad those things didn't happen. So the important thing is how profound and how exuberant your experience of life is.

You must be glad that something you do not know happened. If something new happens that you did not expect, this means life is happening to you. Let something happen in your life that you could not dream of. Don't freak out. If something you did not expect is happening, you should take advantage of it. See, there are only two ways. Life has its waves. You're a wave rider if you have learned to ride the wave. Your dream is to be in a tsunami one day, but if you have never learned how to ride, you will get crushed by the waves. Is there something wrong with the waves? No, what is wrong? You did not

make yourself fit for life. Is there anything wrong with life? It's happening. Are you fit for this world or not?

This is happening all the time. For example, when we divide the students into different groups for practicals, students may complain about their inconvenience with their peers. At the same time, few will be happy to get the group. So, it is your perception that makes a difference. Some students feel their peers are not harmonious and can't work together. If you think what you're doing is significant, you learn to work with such atrocious people. If you want to work with ideal people, you must go to heaven. At this stage in your life, don't produce a list of complaints about what's wrong; produce a list of solutions. If you invest in your problems, you will see that everything in the universe is a problem. Show me one person who is not problematic in some or other way. If you encounter them the wrong way, each one is a problem. So, it is your life skill that you approach them from the solution end of them, not the problem end of them. Everybody is problematic. Isn't it? So you have to learn how to touch the solution part of them, not the trouble part. This goes with people, and also this goes with every aspect of life.

Therefore, always be grateful for what you have and embrace everything that comes your way. That is what makes you alive. Therefore, stay calm, stay happy and be full of life.

Lesson to Learn

Exercise of Empathy

Ms. Sneha Bajaj

Assistant Professor – English & Soft Skills
GSFC University



What is empathy?

Empathy — or understanding the thoughts, opinions, beliefs and feelings of the people around us — is one of the most significant and most trying parts of being social creatures. But what precisely is empathy? And importantly, can we have more?

One of the Stanford psychology professors says that human empathy is actually a skill that can be developed rather than a fixed trait. "Empathy is a simple word for a complex idea," he explains. "Research psychologists understand empathy as an umbrella term for multiple ways we respond to other people's emotions."

Why is empathy so important?

Some of the more obvious reasons are: "It motivates us to help family members, friends, and strangers," Dr. Zaki says. "It allows us to see others who are of a different race, generation, or ideology from our own, without the lens of stereotyping, prejudice, or bias." But he also believes empathy benefits the person experiencing it, not just others. "People who experience empathy are less stressed and depressed, happier in their relationships, and more successful at work," he says.

Cognitive empathy, emotional empathy, and empathic concern or compassion are the three types of empathy. For example, imagine you're having lunch with a friend when they receive a phone call. You're not sure who they're talking to, but your friend begins to cry at some point. As you witness your friend's breakdown, you may start to feel bad about yourself. Taking on their feelings, also known as emotional empathy, is the vicarious sharing of what another person is going through. You could also try to figure out what they're feeling and why which is known as cognitive empathy. And if you're a good friend, you probably care about what they're going through and want them to be happy. We all have a responsibility to cultivate empathy in the same way we try to take care of our bodies or mental health.

Here are the exercises to help build empathy:

Strengthen your internal resources

Consider something you're struggling with and how it makes you feel for this exercise. Then consider how you would respond if a friend came to you with the same problem. This can highlight the disparity between the kindness we show to others and the kindness (or lack thereof) we show to ourselves. You'll probably notice a significant difference between how you'd treat a friend — most likely with patience, generosity, and forgiveness — and how you'd treat yourself — possibly with blame, harshness, and self-criticism. What has this to do with empathy? Empathy must begin at home. You

can't just give yourself away emotionally until you're completely exhausted. We increase our empathy capacity by cultivating self-compassion.

Feeling spent? Spend kindness on others

Spend some time, energy, or money on someone in your life at some point during the day, especially if you're stressed or don't feel like you have any spare bandwidth. Send a text message of encouragement to someone who is struggling. Pick up your partner's favourite coffee while out running errands. Carry groceries for an elderly neighbour upstairs. Building empathy does not always entail donating half of your salary to charity. It's about the small things we do every day. It's all about mental habits.

When under stress, we tend to turn inwards in order to conserve energy for ourselves. While it may appear counterintuitive, performing these small acts — particularly when we feel we can't — can be energising and enlivening. You'll be pleasantly surprised to learn that we don't deplete ourselves when we give to others. Happiness and well-being are not mutually exclusive.

Disagree without debating

Engage in discussion with someone with whom you disagree. Instead of debating or discussing the contentious issue, please share your story about how you came to form your opinion and then listen to how they came to form theirs. This will most likely be the most uncomfortable of the exercises. Still, it is worthwhile given our current social climate in which a person's ideology can be equated with their personality.

Note: Do not do this exercise with someone who harms or denigrates you or the group you belong to.

This exercise is based on "deep canvassing," a strategy some activists use in which they have 10-15-minute, two-way, emotionally-engaged conversations with the people they're attempting to persuade. Although deep canvassing aims to try to change someone else's mind, that is not the goal of this exercise. Instead, its purpose is to demonstrate that we can disagree with someone without disliking them or viewing them as the enemy. Empathy does not imply approval, but it can imply comprehension. When you go through this exercise, you'll be surprised at how respectful human conversation can be across differences.

Use technology to connect, not just to click and comment

Consider how you currently use your phone and how you might use it differently for this exercise. Try to think of technology as a medium through which human connection can exist and through which you can try to pursue that connection. Many of us pick up our phones only to realise an hour later that we've spent the time doing nothing but aimless scrolling and clicking. Perform an internal audit whenever you notice yourself looking up from your phone for a few days. Take note of how you feel, what you've gained (if anything), and what you've retained. By asking yourself simple questions such as, "What am I thinking? Is this something I want to do? What am I feeling right now?" — you have the opportunity to consider its impact on you and your well-being.

This exercise is not intended to foster empathy in and of itself but rather to assist us in bringing kindness and humanity to the online platforms where we spend so much of our time. When possible, try to use your digital interactions to better connect with others. This could imply more in-person interactions and conversations. Why not text or call a friend instead of just leaving an emoji on their Instagram post? The worst thing you can do for your sense of human connection is simply lurked on

various platforms, allowing anger and other negative emotions to seep into you like a young Darth Vader.

Praise empathy in others

Just as we are conditioned to compliment others on a great fashion choice or a job well done, let us make it a habit to call out empathic behaviour when we see it. For this exercise, take a moment during your meetings — whether online or in-person — to recognise members of your team who assist others in achieving their goals. A lot of our attention is drawn to the loudest voices, which are not always the kindest. Feel free to perform these exercises in any order and for as long as possible. In fact, why not make them a lifelong habit? The more we can cultivate our own empathy and encourage it in others, the more we will contribute to a culture of kindness in general. There's a lot of research on kindness contagion, which is the idea that we're more likely to do it ourselves when we see it. We increase the likelihood of kindness becoming magnetic by calling it out.

Click of the Campus

✚ Mr Nikhil More
Chemical Engineering, 2nd Year, GSFCU

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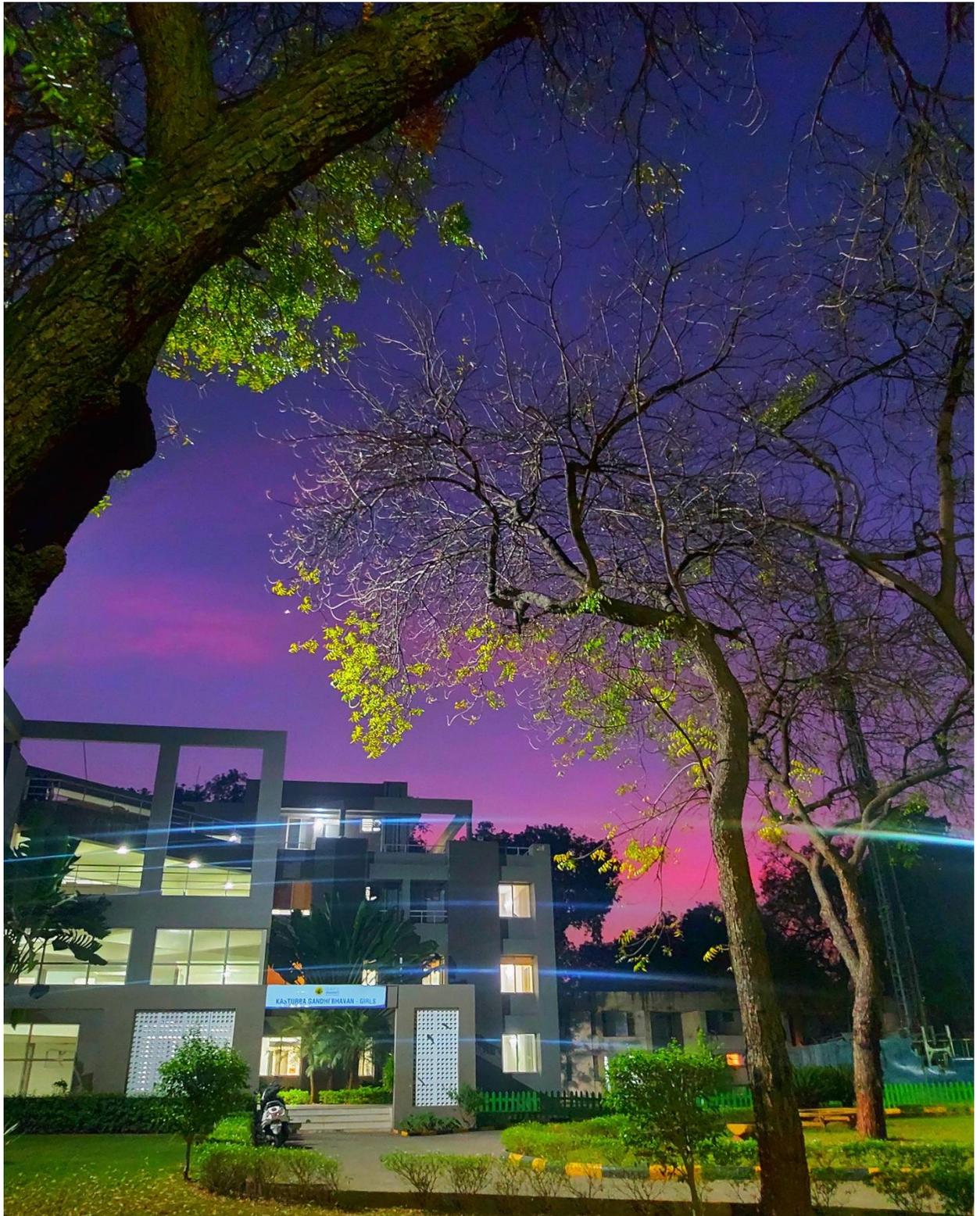


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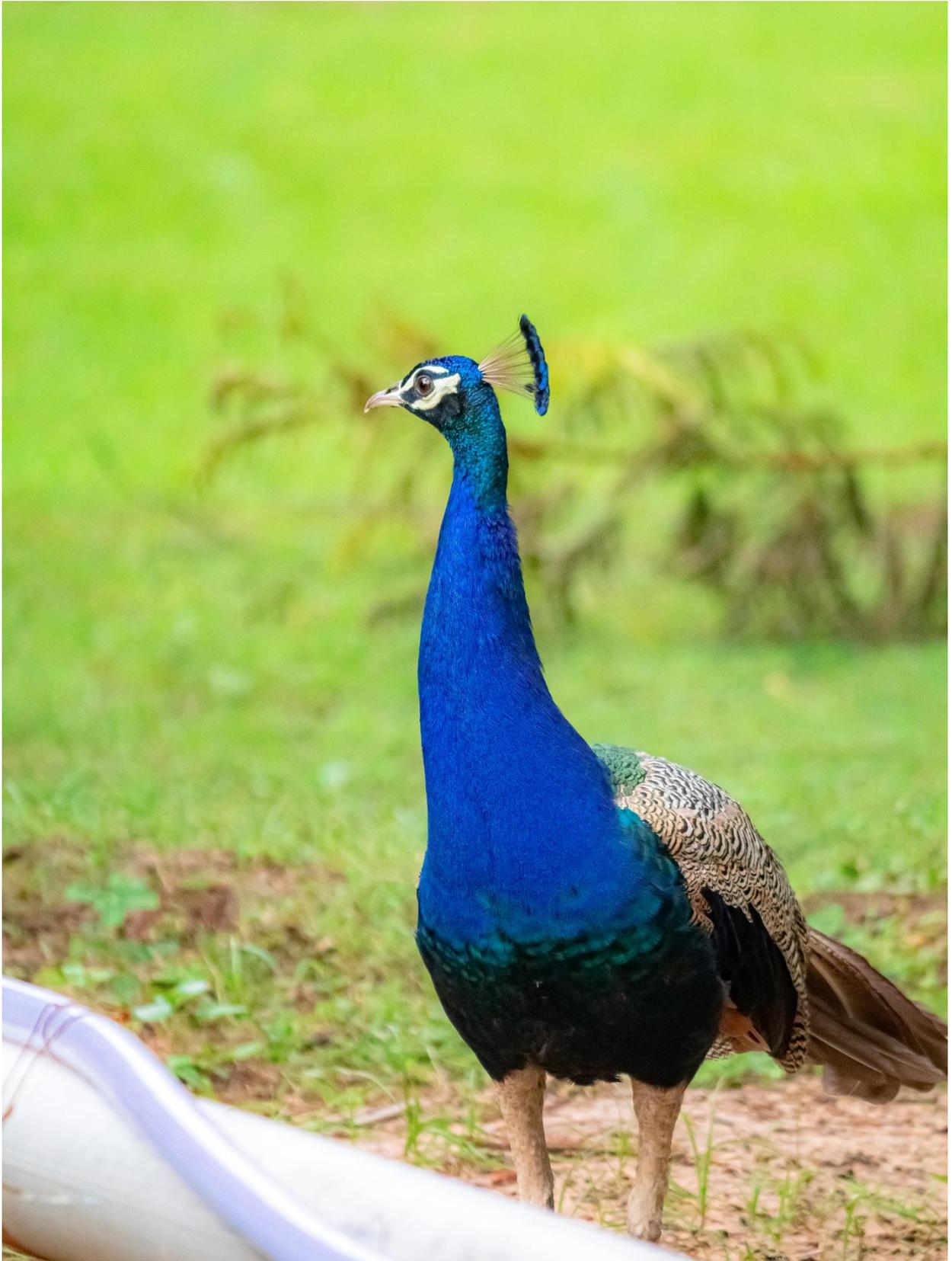


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Chemical Engineering, 7th Semester, GSFCU



✚ Harshil Patel
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Photo Click 1 :



Happening Around the World – Infolinks



Title: - Gravitas: Rupee's historic plunge, breaches 80 against dollar

Link:- <https://youtu.be/udoqN6h0Xa4>



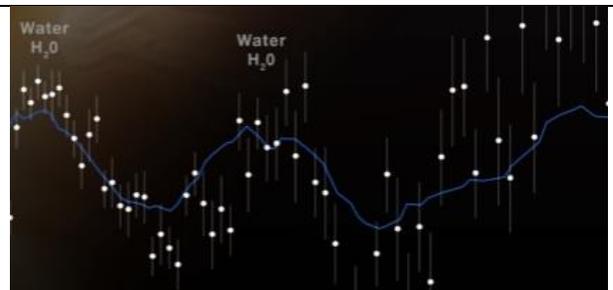
Title: - Single-Use Plastic Ban in India Explained

Link:- <https://youtu.be/ZDgOEX9ZC3A>



Title: - UN scientists say it's 'now or never' to limit global warming - BBC News

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



Title: - What Are We Actually Seeing in the New James Webb Space Telescope Images?

Link: - <https://youtu.be/KG1-luVJu0>



Title: - Gravitas: Russia-India trade in Rupees?

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