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INFORMATION TECHNOLOGY
DEPARTMENT**



ITECH TIMES

2019 - 2020



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COVER PAGE DESIGN:

Aabid Madagmasur, BE

PHOTOGRAPHS:

Siddesh Harmalkar, BE
Valen Mascarenhas, BE
Nisha Costa, BE

FACULTY EDITORIAL ADVISOR:

Assistant Prof. Megha Nayak,
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Information Technology Students Association - INTENSA
Information Technology Department
Goa College of Engineering, Goa

Reach us at: gec.intensa.2019@gmail.com

ACKNOWLEDGEMENT

It gives me immense pleasure to bring forth to you 'ITECH Times' - The annual magazine of the Information Technology Department of Goa College of Engineering, for the year 2019-2020.

I would like to take this opportunity to express my sincere gratitude to our Principals Dr. R. B. Lohani and Dr. Krupashankara M. S. for their continuous support. I would also like to thank Dr. Nilesh B. Fal Dessai, Head of Information Technology Department, for encouraging us and providing us with all the facilities required. I am grateful to our INTENSA Advisor, Assistant Professor Megha Nayak, for her constant guidance and timely advice.

I thank the editorial team for their hard work and enthusiasm. I would also like to express my gratitude to each and every person for actively participating in the making of the annual magazine and making it a huge success.

Priyanka S. Chari
Magazine Secretary
(INTENSA 2019-2020)

GENERAL SECRETARY'S MESSAGE

2019-2020 has been a very prolific and eventful year for the Information Technology Department. This year was full of events, seminars, workshops, functions and many more activities. However, due to some unforeseen circumstances caused by COVID-19 pandemic, not all of the plans could be carried out. It has been a wonderful experience with lots of ups and downs leading to a successful year with tons of memories created for a lifetime.

For a tree to fetch fruits, a sapling must be sown and hence we started our journey with Vrukshabandan (Tree Plantation Drive) as our contribution towards the environment and to spread awareness on the importance of trees in our environment.

We have inculcated so much from our teachers and as a token of gratitude, a small celebration on the occasion of Teacher's day was held.

TechFluence 2K19, a state level Technical event was organised by INTENSA, which included various Technical activities like Idea Presentation competition, Coding competition, UI/UX Designing Workshop with Competition, Workshops on Git and Spark AR and many more technical activities were conducted. The students, teaching and non-teaching staff worked together tirelessly towards making the event a huge success. An official induction of the INTENSA council 2019-2020 was held along with the Inauguration ceremony of the event at the hands of Chief Guest Shri. Madhav Ranganekar, in the presence of our esteemed Principal Dr. Krupashankara M. S., Head of Department Dr. Nilesh B. Fal Dessai and INTENSA Advisor Asst. Professor Megha Nayak.

On the occasion of Cancer Awareness Day, to make people aware about the consequences of cancer and how to prevent it, a cancer awareness program was carried out. Activities conducted on the occasion were Digital Poster Competition, Street Play and Charity Football Match between Students and Faculties and the funds raised during this event were donated to IMA CQS (Goa).

Various talks and webinars for students/faculties in the fields of Stress Management, Personality Development and Mental Health. We also have initiated the monthly newsletter for our own IT Department, "Bits & Bytes".

Because of the pandemic, we could not bid farewell to our seniors physically but we geared up to conduct an e-Farewell to end our glorious run.

*"The strength of the team is each individual member. The strength of each member is the team."
~Phil Jackson*

I am proud to be able to work with our wonderful team INTENSA under the guidance of our Visionary Advisor Asst. Prof. Megha Nayak and Head of Department Dr. Nilesh B. Fal Dessai for making this year a huge success. A special thanks to the students, faculties and staff of our department who helped us along every step of our journey. I wish the future students council all the very best in their journey.

**Vasu Naik
General Secretary
(INTENSA 2019-2020)**

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INTENSA COUNCIL

2019-2020

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INAUGURAL CEREMONY REPORT

The INTENSA Student Council installation ceremony for the year 2019-2020 was held on 3rd of October 2019. The ceremony was held along with the inaugural function of the first edition of the two-day state-level technical and cultural event 'TechFluence 2k19 - Influenced by Technology' organised by the Information Technology Engineering Department, in association with INTENSA, Goa College of Engineering, Farmagudi, Goa.

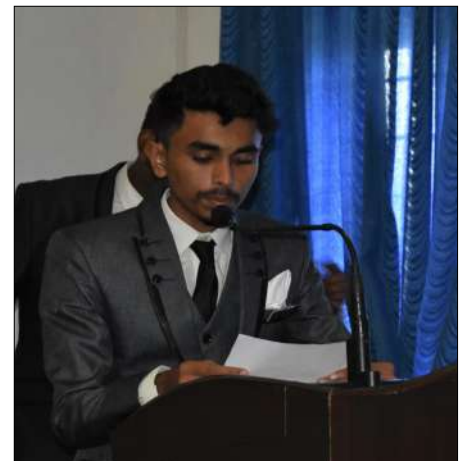
The ceremony was hosted by Ms. Priya Sopan and Mr. Shubham Singh. It commenced at 9:30 am with a melodious welcome song by Ms. Manasi Joshi, Ms. Divyashri Pednekar and Ms. Aditi Tari. The dignitaries were escorted to the dais by Mr. Joshua Gracias and Mr. Vasu Naik. The honourable guests present at the ceremony were the Chief Guest for the function, Mr. Madhav Ranganekar, COO of SJ Innovation LLC; the principal of Goa College of Engineering, Dr. Krupashankara M.S.; along with the Head of the Information Technology Department, Dr. Nilesh B. Fal Dessai and the INTENSA Faculty Advisor, Assistant Prof. Megha Nayak. As a token of appreciation and gratitude, the dignitaries were presented with bouquets.

After the customary lighting of the lamp by the dignitaries, Head of the Information Technology Department, Dr. Nilesh B Fal Dessai, addressed the gathering and extended a warm welcome to everyone present at the ceremony. He expressed his delight towards the work of the department students and staff members, teaching and non-teaching, and wished everyone good luck for their future endeavours. This was followed by a speech by the General Secretary of INTENSA for the year 2018-2019, Mr. Joshua Gracias, who also launched the annual magazine "ITech Times" for the year 2018-2019 and the first edition of the newsletter "Bits and Bytes". The certificates of appreciation were presented to the outgoing council members for all their hard work the past year. The newly elected council members were handed over their badges along with their responsibilities by the dignitaries on the dais. This was followed by the oath taking ceremony of the INTENSA council of year 2019--20, led by the chairman Mr. Joshua Gracias.

Then, the Principal of Goa College of Engineering, Dr. Krupashankara M.S., shared his wise thoughts. This was followed by the introduction of the Chief Guest for the function, Mr. Madhav Ranganekar, by Asst. Prof. Megha Nayak, the INTENSA advisor. Mr. Madhav Ranganekar addressed the gathering and shared his thoughts on present and upcoming technologies, and also spoke about preparing students for their lives in the industry once they complete their education.

As a token of appreciation, the Chief Guest for the function, Mr. Madhav Ranganekar as well as the other dignitaries on the dais were presented with a flower. A Memorandum of Understanding (MoU) was signed between the IT Department (GEC) and SJ Innovation LLC. The ceremony concluded with a Vote of Thanks by the General Secretary Mr. Vasu Naik. The event was a grand success.







EVENTS

Vrukshabadhan

The tree plantation drive

With the theme “Go Goa Green Initiative”, the Information Technology Department of Goa College of Engineering, in collaboration with Pro Active Goans organised an encouraging Tree Plantation Drive on the 14th of August ‘19. The idea behind “VrukshaBandhan” was to make a promise to our mother earth that we’ll try our best to protect it forever by planting more trees.

With great enthusiasm, Dr. Nilesh B. Fal Dessai, HOD of the IT Department, along with the teaching and non-teaching staff, INTENSA members, and students, planted various types of saplings in and around the department premises as a part of this activity.

The event was a huge success with zealous participation by all those involved. It inspired people to care for nature and also maintain plants since it’s not only about planting the sapling but nurturing it as well. Special thanks to Mr. Narayan for lending a helping hand to plant and maintain the trees.



Teacher's Day Celebration



Teacher's day in the IT department was celebrated on the 11th of September '19. The program organized by the student council INTENSA was hosted in the department auditorium and compered by Ms. Delora Almeida. As they entered each teacher was presented with a token of love and appreciation in the form of a handmade origami flower and a bookmark.

The program commenced with a heart-warming video pre-recorded by the students of the batch of BE 2020, to express their gratitude towards all the faculty members as well as the non-teaching staff. The welcome song was performed by Ms. Ruchi Ghantkar, an ME student, which was followed by the cake cutting ceremony and a photo session.

Exciting spot prizes and the mini-quiz kept the teachers engaged and on their toes. A surprise game 'Pehchaan Kaun' was played where the faculties had to guess the faculty member whose childhood photo was displayed on the screen. While playing the game everyone had a hearty laugh and they enjoyed it to the fullest. Then, our HOD Dr. Nilesh Fal Dessai addressed the gathering, which was followed by a splendid performance by Assistant Prof. Mario Pinto.

Since our teachers always wanted to visit Mr. Umesh's snack stall but couldn't do so because of their busy schedules, we arranged it for them in the department itself. The function concluded with the long-awaited refreshments by Mr. Umesh for the teaching and non-teaching staff.





TechFluence 2k19

Influenced by Technology





The Information Technology Engineering Department, in association with INTENSA, of Goa College of Engineering, Farmagudi, Goa organised the first edition of their intercollegiate event 'TechFluence 2k19 - Influenced by Technology'. The two-day programme comprised of various technical events and witnessed the enthusiastic participation of students from colleges across the state.

The inaugural function marked the commencement of 'TechFluence 2k19' as well as the installation of the INTENSA Student Council for the year 2019-2020. The Chief Guest for the function was Mr. Madhav Ranganekar, COO of SJ Innovation LLC.

The various event held on the first day i.e. 3rd October were Invasion – Project Idea Presentation, UXplorer – UI/UX designing competition, Forager – Treasure Hunt and a session on GitHub Pages. The events held in the second day were Brain Wars - Quiz, Code It competition, Shutter Up - Photography, Let The Design Speak – T-shirt designing, Meme On It and a session on Spark AR.

The marvellous two-day event concluded with a valedictory function presided over by Dr. Nilesh Fal Desai, HOD of the Information Technology Department, GEC. Prizes were awarded to the students who emerged as victors in their respective events. Students of Shree Damodar College of Commerce and Economics emerged as the overall winners.



A SPECIAL THANKS TO ALL OUR SPONSORS FOR MAKING THIS EVENT A HUGE SUCCESS!

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Winners of TechFluence 2k19

Shree Damodar College of Commerce and
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Behind The Scenes





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ZOOM AERATED WATERS



QUEEN

FRUIT FLAVOURED DRINK

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Manf. of: Guava Cheese (Perad), Bebinca & Dodol



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Cancer Awareness Program

On the 4th of February 2020, in the view of “World Cancer Day”, a Cancer Awareness fundraiser was organised by the IT Department council - INTENSA. The contribution from the program aided cancer patient treatments, through the assistance of Dr. Manoj Prabhudessai, an Indian Medical Association Fellowship member.

On this occasion, various activities were held to raise funds for the cause. A ‘Digital poster making’ competition themed on “World cancer day” was among them. Mr. Shreyas Ambe, TE Mechanical department emerged as the winner. A Goodwill Exhibition Football match was held between the faculty staff of GEC and the students of the IT Department. The thrilling match ended with the faculty team emerging as the winners. To enlighten the public, a small street play on “Breast Cancer” was performed by IT Dept. students at the GEC parking lot. The street play gathered a lot of praise from the spectators and was widely appreciated for the beautiful message it conveyed.

The HOD of the IT department addressed the gathering and thanked the people for contributing and actively participating in the program. Dr. Manoj Prabhudessai briefed the audience about the early detection of cancer and the importance of a balanced diet.

The program ended with a vote of thanks by Mr. Valen Mascarenhas. The event was a grand success all thanks to the faculty, staff, and students of GEC who contributed generously.





Success Without Stress



A session on the topic “Success without Stress” by Dr. Prashant Kakode was held on the 7th of February '20 in the IT Department Auditorium. The session was organised by INTENSA in association with Rotary Club, Ponda.

The speaker for the day, Dr. Prashant Kakode, a surgeon from Cambridge, and his team enlightened the audience on various topics that ranged from science and consciousness to the holistic principles of life and health. For over three decades now, he has been helping people across the globe and has set them on the path of spiritual enlightenment. He shared his expertise in areas of consciousness, mind, and meditation that have occupied everyone's mind, be a faculty or staff member, or a student. Our Principal Dr. Krupa-shankara M. S., HOD Dr. Nilesh Fal Dessai as well as the HODs of other departments, faculty members, and students of GEC attended this session.

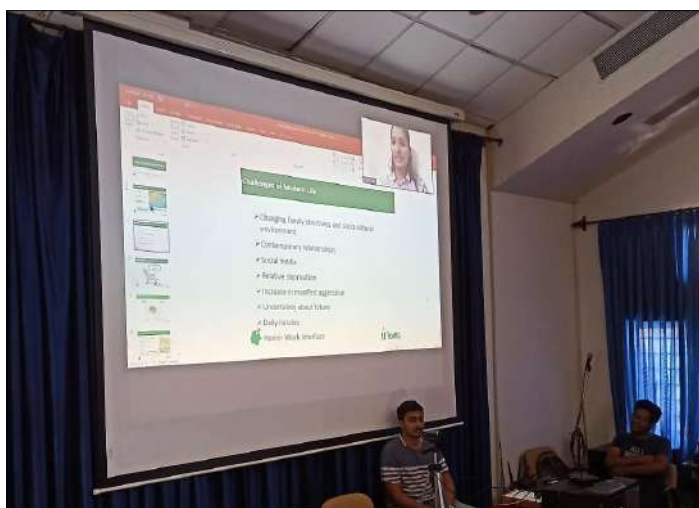
The principal presented a memento to the speaker of the day. Ms. Divyashri Pednekar delivered the vote of thanks. The program was compered by Ms. Delora Almeida.



Mental Health Webinar

Team INTENSA in association with the Department of Mental Health & Behavioural Sciences, Fortis Healthcare conducted a webinar on “Mental Health” on 20th February 2020. The webinar was held in the IT Auditorium with attendees that included the students and the faculty staff of the IT Department.

The primary aim of organising this webinar was to educate the audience on how to deal with stress and how to maintain their mental health while juggling with hectic daily schedules. The webinar was headed by Ms. Tanvi Seth, Counselling Psychologist at Fortis Healthcare, who briefed the gathering about day-to-day stress management and how to handle our professional and personal lifestyle with ease. This was followed by an interactive Q&A session wherein the students’ and faculty members’ queries were answered by the speaker. The session concluded with a vote of thanks proposed by Ms. Meghan Naik.



Personality Development Session

Yes! I can do it!

A Session on Personality Development, “Yes! I Can Do It” was held on the 4th of March ‘20 at the IT Auditorium. The talk was organised by the INTENSA Student Council and was compered by Ms. Riddhi Desai. The resource person was Mr. Vishwanath Swar, Head of Department of Commerce (HSS), MES College, Vasco.

The agenda for the talk was how to be positive in life, self-hypnosis with positive affirmations, how to build up good self-esteem, and a few inspiring stories. The session began with a short meditation exercise that exhilarated the students. Followed by a delightful insight into how students must develop their personality going out into the world. Mr. Swar demonstrated a few simple exercises that would help students to concentrate on their tasks. It was a fun-filled and light session with some paramount lessons for life.



The Alumni Talk



On 7th March '20, INTENSA in association with GEC-Goa Alumni Association, organized a motivational session on the topic “Beyond Engineering” by Ms. Priya Dalvi, a passionate writer, speaker, blogger and an engineer from our very own Information Technology department of Goa Engineering College.

She gave an insight into her book titled “What About PASSION?” which is about the journey of 12 engineers who took up their “sphere of interest” and created stories towards success. She also spoke on how to successfully maintain the 4 wheels of life which are Academics and Career, Health, Relationships and Individuality. She inspired the audience to think beyond our academics and follow our passion. The session was followed by an interesting Q&A where Priya Dalvi shared a lot of her life experiences with our fellow students and faculty members of the IT Dept.

The speaker was presented with a memento by Dr. Ganesh Hegde, the professor in charge of Academics & MIS. The session ended with a vote of thanks delivered by Ms. Divyashri Pednekar. The program was compered by Ms. Riddhi Desai.





INTENSA

Information Technology Students Association

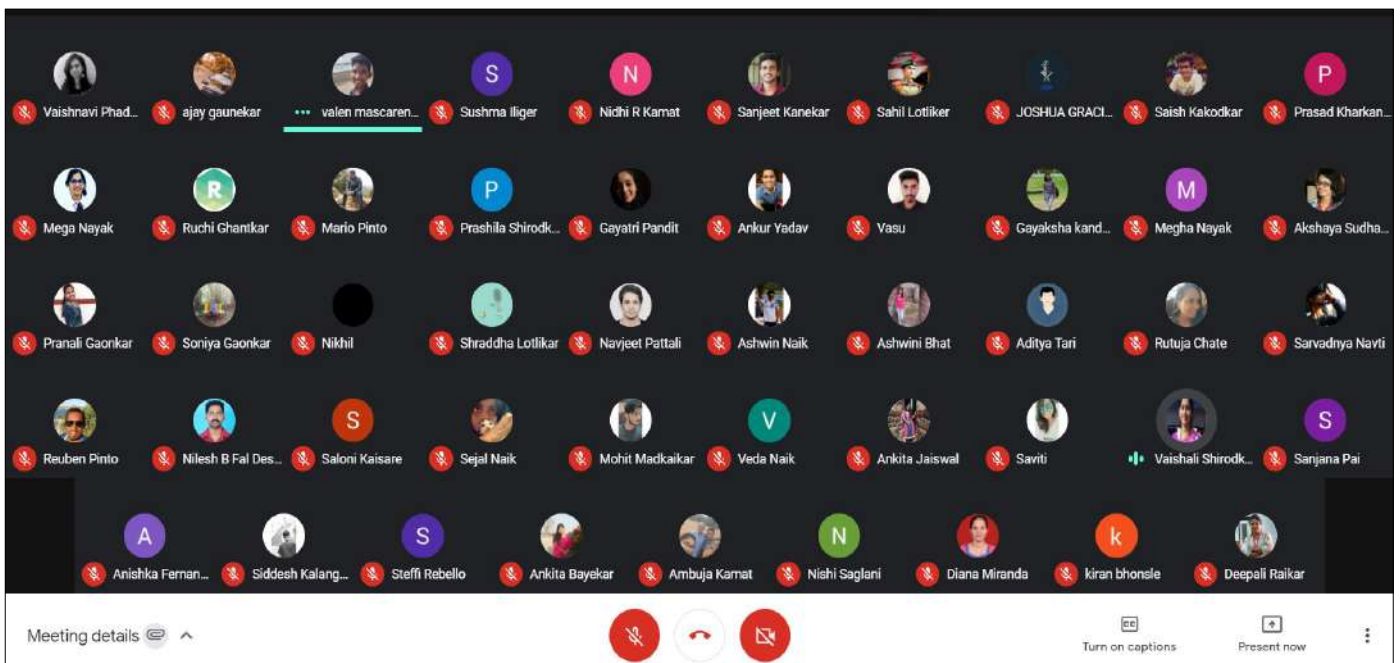


E-Farewell 2020

Batch of IT Department
(Goa Engineering College)

*The horizon leans forward offering you space
to place new steps of change.*

E-Farewell



To mark the end of a long splendid journey of engineering, the Information Technology (IT) Engineering department at Goa College of Engineering, organised an “E-Farewell 2020” ceremony for the students of ME and BE, the batch of 2020. Due to the prevailing conditions of the pandemic, an online farewell via digital video conferencing platform Google Meet was organised for the departing students. The function was held on 10th October 2020 (10/10/2020 - A special day indeed!) at 7:15 pm. Faculty members of the IT department and the students of batch 2020 along with the INTENSA council members were a part of the session. The comperes for the event were Ms. Nidhi Kamat and Mr. Valen Mascarenhas.

The ceremony kicked off with a beautiful video for the ME and BE students. It portrayed the various memorable and convivial moments that these students shared. It marked some unforgettable and significant experiences for the outgoing students capturing the time they spent during this period, whether they were attending classes or chilling out somewhere around the campus, or participating in intra and inter-collegiate events.

Thereafter, the HOD of our department, Dr. Nilesh Fal Dessai addressed the gathering. He encouraged the graduates to work hard and excel in the field they plan to venture into. The faculty members of the department also shared a few memories that they had with this incredible batch through a video that they had pre-recorded. They appreciated the qualities that these students possess, namely behaviour, responsibility, diligence, and unity. Other faculty also conveyed their wishes to the batch 2020 students and wished them luck for their future endeavours.

As a token of love and appreciation, students from FE- Ms. Sejal Naik, Ms. Priya Sopan, Mr. Avishkar Parab, Mr. Gaurav Gawas, and Ms. Uma Masurkar presented an impressive dance performance video. An instrumental song by Mr. Reuben Pinto, a singing performance by Mr. Gaurav Gawas, and an emotional melody by Ms. Ruchi Ghantkar mesmerized the audience. The function also consisted of spot prizes, games held throughout the function. Ms. Gayaksha Kandolkar, an ME student, hosted a quiz between the ME and BE students batch. It was a neck-and-neck competition wherein the BE team emerged as winners. The quick guesses within the timespan, some correct and some wrong, brought loads of laughter and happiness.

Asst. Prof. Mario Pinto presented the song “Seasons in the Sun”. On the special request by the students, he sang another song “Naina da kya kasoor”. Mr. Sanjeet Kanekar, Mrs. Prashila Shirodkar from ME and Mr. Joshua Gracias, Mr. Saish Kakodkar, Ms. Arya Monatt from BE of the batch 2020, spoke their hearts out to express their love and gratitude towards their classmates, the faculty and management of the department alongside whom they’d spent their glorious academic years.

At the end of the gathering, Mr. Sahil Lotlikar gave the vote of thanks. The ceremony was concluded with a virtual group picture of all the graduates and faculty. The big smiles on their faces was a clear indication of their elation and appreciation for all those great memories that they created together.

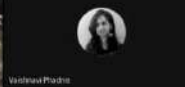
CLASS OF 2020

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Yeddy R Kumar



ME ITE BATCH 2018-2020



Vishal Padma

REC Gayaksha kandolkar is presenting

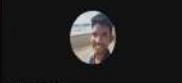
GUESS THE MOVIE FOR ME



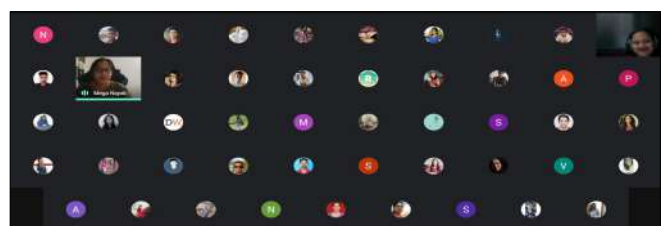
Meeting details	
People (73)	Chat
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Rajkumar Barikodkar	7:30 PM
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Megha Nayak	7:30 PM
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Saahil	7:30 PM
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Ankita Jainwal	7:30 PM
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Sanjay Kankar	7:30 PM
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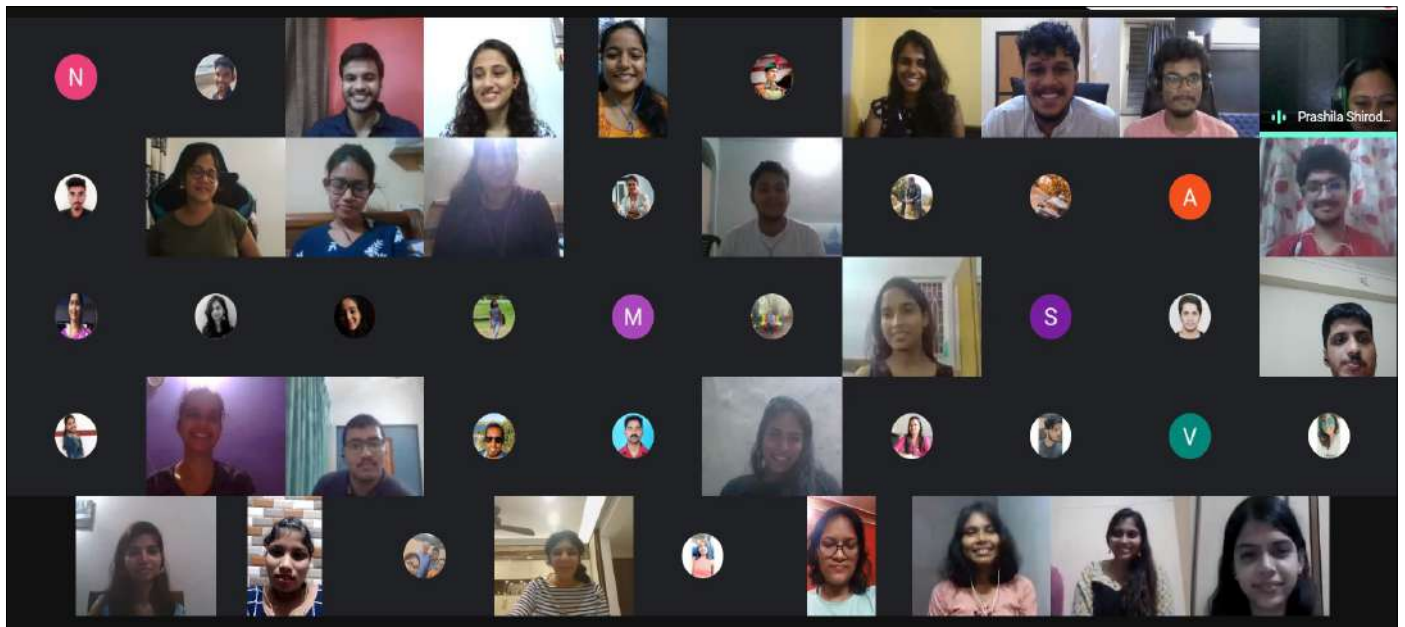


sahin mazzarebas



sahin mazzarebas





Congratulations to all the participants for winning various inter-collegiate competitions!



INSPIRUS 2019 Winners

It was organised by the Department of Computer Engineering of Don Bosco College of Engineering, Fatorda, Goa.



TECHNOVA 2019 Winners

It was organised by the Department of Electronics & Telecommunications Engineering of Don Bosco College of Engineering, Fatorda, Goa.

Student Corner

COPING WITH WORKING OR STUDYING FROM HOME IN THE COVID 19 TIMES

The year 2020 has been a maelstrom of sorts with COVID 19 throwing a wrench in everyone's works. Many have had to adapt to the work from home lifestyle. While some have made the transition with ease, the rest still struggle to find something that works. Finding that space which works for you and keeps you focussed is a real need of the hour. If your go to space for working or studying is lying on the bed with a laptop propped up on your knees with a snack at your side, then you should definitely rethink your work space to be more productive.

In order to help you along the way to find that sweet spot and focus here are few pointers listed.

So let's get started!

Find that space:

Everyone has a comfort zone that they like to slouch onto and often think that this space will be the absolute best to work/study from. This could be the bed, couch, bean bag, lazy boy, etc. Avoid these at all cost as this will only lead you to feeling lazy and unable to get much done.

Prioritize a sturdy table and chair setup for better posture with ample amount of light. If using a screen adjust your position so as to reduce the glare on the screen. Make sure the space is close to a power outlet to help in charging electronics. Avoid spaces facing distractions such as the television or a direct open window.

The Setup Wizard:

Keep it simple! Don't clutter your workspace with things you will not need. Also have the essentials within reach so that you don't have to keep getting up to fetch something.

We all feel hungry as soon as we sit down to work so keep something in a small container to snack on(preferably healthy) and remember to hydrate so have a bottle of water nearby.

Line em up:

Everyday try to set up a list of tasks that can be broken into subtasks and prioritize them accordingly. Try to get as much done as possible but restrict it to a 8 - 10 hour a day work schedule.

All work and no play....:

You could be all tuned in and working away to glory but all that sitting and staring at a screen can put a lot of strain on the body. So get up for a stretch at regular intervals but don't over do it.

Google Chrome a number or break reminder extensions that you can install to remind you when it is time to take a break.

Always keep your mobile screen side facing downwards and refrain going down the rabbit hole by browsing Facebook or Instagram. Every phone has a do not disturb mode that can be turned on to keep notifications to a minimum.

Socialize but safely:

Being at home doesn't have to take away all the fun of hanging out with friends. Have video calls during non working hours and catch up with each other. Playing games can also be a great stress buster at times.

Remote work has its fair share of (really great) benefits, but that doesn't mean there won't be struggles as you adjust to this new way of working. Even if you've been working remotely for years, the added pressures of having kids home and a full household can make working from home more challenging than before.

Keeping your work-life balance top of mind as you continue to contribute meaningfully and productively to your job combines the best of both worlds.

**Reuben Pinto,
ME IT**

JOURNEY FROM SEMINAR TO WEBINAR

The well-known proverbial phrase “When life gives you lemons, you make lemonade”, means to encourage optimism and positive attitude during a time of adversity or misfortune. This phrase defines my journey accurately.

During a recent Netflix binge, I heard a peculiar modification to the classic phrase that I prefer: “When life gives you lemons, don’t just stop at lemonade, bake an entire lemon meringue pie too!”. I resonate with the second version much more because it’s not just about making do, but going above and beyond to make the best out of a bad situation.

It was the beginning of March 2020, almost two years since I had relinquished my software job at SJ Innovation, Goa. I was halfway through pursuing my master’s degree and the experience turned out to be all I had hoped.

The best part was I always had a career goal in mind and knew what my next step should be. During my last semester, I got an offer from Mr. Shahed Islam (CEO at SJ Innovation) who always believed in me and my potential. He proposed that I work on their initiative called Community Outreach, which was to bridge the gap between universities and industry by organizing informative seminars. The whole plan was well structured and ready to be executed.

I was really excited about this opportunity and the prospect of a new beginning until things went downhill. I was vaguely aware of the increasing outbreak of COVID-19, but I had no idea that it would soon turn into a worldwide pandemic. I also couldn’t anticipate the severity of what was coming next.

Within a blink of eye gyms, restaurants, parks, and universities were all closed with people dying at an alarming rate. Soon a global lockdown was announced and staying home had become the new reality; my previously vibrant social life had been reduced to the confines of my flat. My mind was full of questions and concerns. What would this “new normal” look like? What would happen to my academic experience?

What about my goals? What about my new beginning? The passing days felt increasingly strange and left me feeling unproductive at the end of every day.

The stress was building up and my mind was getting frustrated, I knew I had to do something to help me to deal with this situation, and one day a thought came to my mind. There have been situations in life that I didn’t expect or plan that went askew, yet I survived. That’s when I realized that the only solution to my frustrations was re-setting expectations and identifying what I can do rather than focusing on what I can’t.

That’s when I decided to reach out to my company and restructure the community outreach process since they always had confidence in me and believed in my idea. It was now mandatory to WFH (working from home) therefore we decided to conduct the seminars online and make it a webinar. This way we could reach not only to one university in the state but to several universities and students all over the world.

I planned everything with great enthusiasm, from reaching out to our audience to hosting the event and trust me, the journey was amazing! An experience worth living.

My first webinar session turned out to be so successful that all my frustrations had dissipated. I was fortunate enough to interact with around 48 participants who attended the session. The participants were so enthusiastic to ask questions and begin conversations that show how everyone wanted to learn something new this pandemic and utilize their time for new opportunities.

I look forward to conducting more webinars and engaging students in discussion. Many felt lost during the pandemic, with no one to turn to and nowhere to go. I’m glad my webinars could provide them with a sense of direction.

Sanjeet Kanekar,
ME IT

Blog Reference : <https://sjinnovation.com/blog-journey-webinar/>

FINTECH

Financial technology (abbreviated fintech or FinTech) is the technology and innovation that aims to compete with traditional financial methods in the delivery of financial services. It is an emerging industry that uses technology to improve activities in finance. The use of smartphones for mobile banking, investing, borrowing services, and cryptocurrency are examples of technologies aiming to make financial services more accessible to the general public. Financial technology companies consist of both start-ups and established financial institutions and technology companies trying to replace or enhance the usage of financial services provided by existing financial companies.

After reviewing more than 200 scientific papers citing the term "fintech," a study on the definition of fintech concluded that "fintech is a new financial industry that applies technology to improve financial activities." Fintech is the new applications, processes, products, or business models in the financial services industry, composed of one or more complementary financial services and provided as an end-to-end process via the Internet. It can also be considered as "any innovative ideas that improve financial service processes

by proposing technology solutions according to different business situations, while the ideas could also lead to new business models or even new businesses."

Financial technology has been used to automate investments, insurance, trading, banking services and risk management.

The services may originate from various independent service providers including at least one licensed bank or insurer. The interconnection is enabled through open APIs and open banking and supported by regulations such as the European Payment Services Directive.

In trading on capital markets, innovative electronic trading platforms facilitate trades online and in real time. Social trading networks allow investors to observe the trading behaviour of their peers and expert traders and to follow their investment strategies on currency exchange and capital markets. The platforms require little or no knowledge about financial markets, and have been described as disruptors which provide "a low-cost, sophisticated alternative to traditional wealth managers" by the World Economic Forum.

Divyashri Pednekar, TE IT



WHY EDGE COMPUTING IS SO IMPORTANT FOR IOT

The inherent latency of the cloud is no longer cutting it when it comes to fully appreciating the benefits of digital transformation. Edge computing is here to solve that problem, and by mitigating the latency associated with the cloud, it ensures that the latest IoT developments are available to businesses across every industry. Edge computing also acts as a high-performance bridge from local computers to private and public clouds.

We are living in a world that is increasingly data-driven, and that data is being generated outside of the traditional data center. Edge computing places the physical computing infrastructure at the edges of the network where the data is being generated, and in many cases, those sites are where the data is needed most. With only a small hardware footprint, infrastructure at the edge collects, processes and reduces vast quantities of data that can be uploaded to a centralized data center or the cloud. Edge computing infrastructure systems need to be easy to deploy and manage because businesses with hundreds of sites cannot afford to spend weeks deploying complex hardware to each site. They need to be able to plug in the infrastructure, bring systems online and remotely manage the sites going forward. The more complex the infrastructure, the more time they will spend deploying and managing it. They need to be self-healing to provide high availability for applications without requiring IT staff resources, with automated error detection, mitigation, and correction. Management tasks should be able to be performed remotely and with ease. In addition, these systems should be scalable up and down, dependent on the requirement of the edge location, to ensure organizations are not saddled with excessive overhead for resources they don't need.

There's a strong argument to say that, by definition, IoT will need edge computing to work effectively and realize its long-term potential. It is especially useful for any industry that has remote sites, such as retail, finance, industrial, remote office branch office (ROBO), and IoT. In the case of ROBO deployments, small branch locations are now increasingly running core, mission-critical applications and the infrastructure they reside on needs to evolve to match the critical nature of the workloads they are running. In retail, for example, retailers need reliable computing that can provide maximum uptime for point of sale, inventory management, and security applications for the numerous store locations on the edges of their networks. Banks and other financial institutions with multiple branch offices also require reliable computing to support rapid, business-critical transactions.

Edge computing plays a prominent role in the continuing deployment of IoT devices as the most effective means to process the vast amount of data they produce quickly and effectively. This requirement is only likely to become more pronounced when communication of that data to the cloud may not be reliable or fast enough to be effective. Many edge computing sites have very specific computing needs and require much smaller deployments than the primary data center site. Many organizations may have dozens or hundreds of smaller edge computing sites and they cannot afford to roll out complex, expensive IT infrastructure to each site.

This is the year of edge computing and it's no surprise why the industry is turning to the trending technology. With only a small hardware footprint, edge computing acts as a high-performance bridge to the cloud, which more organizations are relying on.

Riddhi Desai, TE IT

QUOTES

We all go through ups and downs in life. Sometimes we feel the need of some activation force to boost ourselves. Quotes play that role in our life. They trigger something within us and change us. This change can be big or small, visible or invisible. But it makes you feel satisfied with yourself, with your decisions. Yes, there are some people who think there is no meaning or point in reading quotes. If you think so too, then I'm sorry but this article is not for you. Someone had once said, "Some words are just simple. Yet those words are the heaviest. They carry burden of feelings. Unpretentious feelings. Pure feelings." Sometimes it's difficult to convey what is on your mind and a simple quote is a good way to get your point across.

Here are some quotes from my collection, which I had noted while reading novels, whenever I was moved by them.

You don't have to let that one thing be the thing that defines you.

~By Jojo Moyes in Me before You

You only get one life. It's actually your duty to live it as fully as possible.

~By Jojo Moyes in Me before You

To bury your past is easy. To wear that past with pride takes courage.

~By XiaoMeeHee in Mr. CEO loves the Devilish Beauty

"You don't get it husband. Everybody is scared but they still ride this (bike). Why?" Ye Jie turned his head to face his wife. "Because the moment we get over that momentary fear, that's when the real thrill of life begins." Ye Jie nodded in agreement.

~By XiaoMeeHee in Mr. CEO loves the Devilish Beauty

Caring about what others think is the biggest jail one can put oneself in.

~By Durjoy Datta in If it's not Forever it's not Love

Everyone has a story to tell. Everyone is a writer. Some are written in the books, and some are confined in the hearts.

~By Savi Sharma in Everyone has a Story

All through history, people who become successful are those who believed in their ability to make a difference. There may be a bestselling song or literature within you. Don't die without sharing it with the world. It is the secret to greatness.

~By Ifeanyi Atueyi in Life Is What You Make of It

Noorjahan Mohammed, TE IT

TURNING POINT

Everyone has a turning point in their life. May it be a successful or an unsuccessful journey. It starts when an individual grows up spiritually, mentally, emotionally and also, when one is aware of what life is, your decisions in crucial times decide the outcome. It is said "Success doesn't come overnight. Unfortunately, it takes up years and even decades for an individual to become successful.

The turning point can be related to anything, take an example of a person who is disheartened, stressed about the career, being bullied, has a family to see to, relationship issues and many more to count. When an individual comes across such situations the person starts thinking about the past experiences and thinks of falling back but the best option in times like these is to prepare ourselves for a bright future, no matter what life throws at you. It is always said "You ought to have passion to start something new!" and this is all you need to get started with. The critical age where mostly youngsters are always befuddled with a question, What's next? Where they are a bit confused about life, about the future and also one's own self-worth. It doesn't matter what your age is or what your capabilities are, if you try and work hard every single day, the turning point is on your way. In today's Rapid and speedy world mankind is learning, studying, and exploring new things in a much-advanced manner. A person who has interest and passion, should never stop learning and that's how you'll gain your part of fortune.

How much the person is stressed or depressed, one should always overcome it by indulging oneself in certain activities and spending time or getting involved with the experienced sources, learning how to be a part of the institution, company or society. Getting involved with a Resource person and training yourself with finest knowledge will help you overcome tensivity and fade away your stress. There are times when people start giving up and impose a full stop in their pressurised and depressed conditions don't let things drag you down. That doesn't help, every Individual should never give up on their life or dreams. There is a long way for oneself, to be a part of and come across such unrealistic situations in their infrequent and occasional lifestyle. There are moments when you feel guilty and ashamed, always say to yourself "I have given up on giving up" and that's how you'll move forward.

Every day is a day to make changes and give up on a toxic relationship, which doesn't do anything good to oneself and move on to your peaceful and satisfactory life. Today is all about today. You won't get today as tomorrow. Tomorrow will be different and unique.

Think positive, stay positive, and also explore all known and unknown possibilities. Whatever happens, happens for the good. Never blame yourself for unpleasant times in your life. Be Cheerful, celebrate every day, be optimistic, be productive. Chase your dreams to the fullest and be a happy soul with life changing boundless thunders.

ALL THE BEST FOR YOUR FUTURE ENDEAVOURS!

Tania Fernandes, TE IT

ITS INDIAN OR IS IT!?

Nowadays you guys might know there are a variety of products in the market for places all around the world but between all this how do you know which is from India and which is Non-Indian. If you all had the same dilemma then hear me out because I have done might research and you would be glad to know there are some easy steps which you could use next time you buy a product which are:

Bar code - They are not just some random numbers listed which I used to think in my childhood but in fact, any product having the prefix "890" on the barcode signifies the ownership by an Indian organization for more about barcodes check this <https://en.wikipedia.org/wiki/Barcode>.

Address of the Manufacture - This would be called common sense but yea knowing the place where the product is made gives confidence and trust in the product at least for me.

Helpline Number - According to calling for information about the product and listen to an Indian voice on the other side would help indeed.

QR codes - Don't they seem like the next generation of bar codes. they have a lot packed in them, over the last three years the NPC (National Payments Corporation) of India has developed two QR codes Standards first the UPI QR secondly the Bharat QR.

Saish Solanki, SE IT



LOVING VINCENT VAN GOGH



Vincent Van Gogh, the father of modern art. A man with no credibility during his lifetime and a man of revolution after his end. A man who lived larger after his death. A man whose starlight certified him as a star in the modern era. A ragged, lonely, regular looking chap with vivid, bright, imaginative mind, a mind when entered with grace, spoke of brilliance and sincerity.

How I wish I could see him paint. The fervour visible in the guided motion of his hands. The probable squint in his eyes when they searched for the minute details of his muse, to justify the beauty of what he had seen, on the canvas. The unmistakable devotion in his eyes and the pure dedication of his heart to credit what he saw by creating a legitimate symphony of colours. A kind smile, perhaps.

How I wish I was Adeline Ravoux. The person who saw him happy. The person who didn't judge a man for his passion.

The person who optimistically accepted his craze for art. The person who respected a man of no fortunate background because she saw him for what he was.

Dear Mr. Vincent, your starry nights are treasured and the tremble of your passion is visible in them. We see you in our shares of the sky. We feel you in the depth of our irises. Margaret Gachet couldn't forget you. The red vineyard blushes around you, for you found its sweet corners and sour crevices. The almond blossoms love you madly. The night café hasn't stopped missing you since. The cypress and the poppies have died peacefully. Paris is bedecked with your name all over it.

I congratulate you for raining the warm sun on our dark lives. You are the token of courage and love, of knowledge and kindness. We have heard you now. Your passion is remnant. We have been lifted.

Yours truly, a stargazer
Priya Sopan, SE IT



IRISES

THE RED VINEYARD



ALMOND BLOSSOMS



THE MISSING PIECE:

Yeah I lost a piece
A piece of my heart,
Which I thought could keep
And no one would break apart.
I found it missing
Everywhere did I look,
Failed to get hold
I went searching for the crook.

Everywhere I saw
Even through the sky,
Saw many pieces like mine
Lost above high.
Yet my heart kept calm
Serene and sound,
Thinking that once lost
Will never be found.

And to prove it wrong
Days much I spent,
Hoping to get my piece
Now not worth a cent.
But that piece made me feel
Feel happy and glad,
Losing it was somewhat
Much more than sad.

And voila!
Did you do it you ask?
Do it to prove my heart wrong
Of course!
There it was
Within my reach, at last!
But it cast over me a shadow
Of broken feelings and the past.

Cause the piece did I see
Was the one to be found,
To my disappointment
With else's heart was bound.
Yeah I lost a piece
A piece of my heart,
I wish I could give
It all another start.

Saish Sawant
FE IT



SIDE-EFFECTS:

Being weird isn't the intention here,
but one day, I looked at her hands.
There were cuts and marks of burns,
each with their own story of toils and hard work, that she withstands.

That is when I saw the weakening nails,
And the darkening palms,
A lesser known side effect of chemotherapy,
the doctor said in a voice so calm.

Her hair loss suddenly stopped mattering,
and now the brittle nails worried me to no end.
Because it was then I realised,
that I had always known my mother for her hands,
the ones that gently caressed my injured scars,
the hands that ran in my hair,
as I slept in her lap, without the world's care.
It was never about her long wavy hair.

It was due to the leaking of the medicines,
in the small blood vessels,
And I wondered
whether even our relationship would get corroded?

Shibani Mardolkar
SE IT

औकात

है ये तब की कहानी
है ये अब की कहानी
एक था राजा
एक थी राजकुमारी

राजा का मन
जो मचला राजकुमारी को देख
भेज दिया राजकुमारी को
विवाह रचाने का संदेश

पर राजकुमारी के मन के अनुसार
नहीं आया रास उसको यह व्यवहार
राज संदेश दिया राजा को भेज
नम्रता से लिखा
"शादी नहीं करनी आपसे,
नहीं आना आपके देस।"

जवाब पढ़ कर राजा का
खौला खून
"मेरा प्रस्ताव ठुकरा कर

राजकुमारी, कर दी है तुमने बड़ी भूल!
राजा को इनकार करने वाली
होती हो तुम कौन
शायद तुम भूल चुकी हो
नारी-जात की औकात। "

चढ़ गये राजाजी
घोड़े पर, सीना तान के
निकल पड़े, हाथ में लिए तलवार
राजकुमारी को इस गुनाह का
सबक सिखाने।

राजाजी पधारे
देख जौहर की व्यवस्था
वे धूर्त मुस्काए।

राजकुमारी नम्रता से बोली
"माननीय राजाजी,
खुद को आप कहते हो वीर
मगर आप के अहंकार को
जो पहुंची जरा सी ठेस
आ गए आप करने मेरा चीरहरण
इतनी दूर, मेरे देस।

मेरे गरिमा को ठेस पहुंचाने की
कोशिश कर के
आज तू बड़ा पछताएगा
कतरा कतरा तेरा
दर्द से चिल्लाएगा
जब यह जौहर की आग
तेरे अंग की राख बनाएगा। "

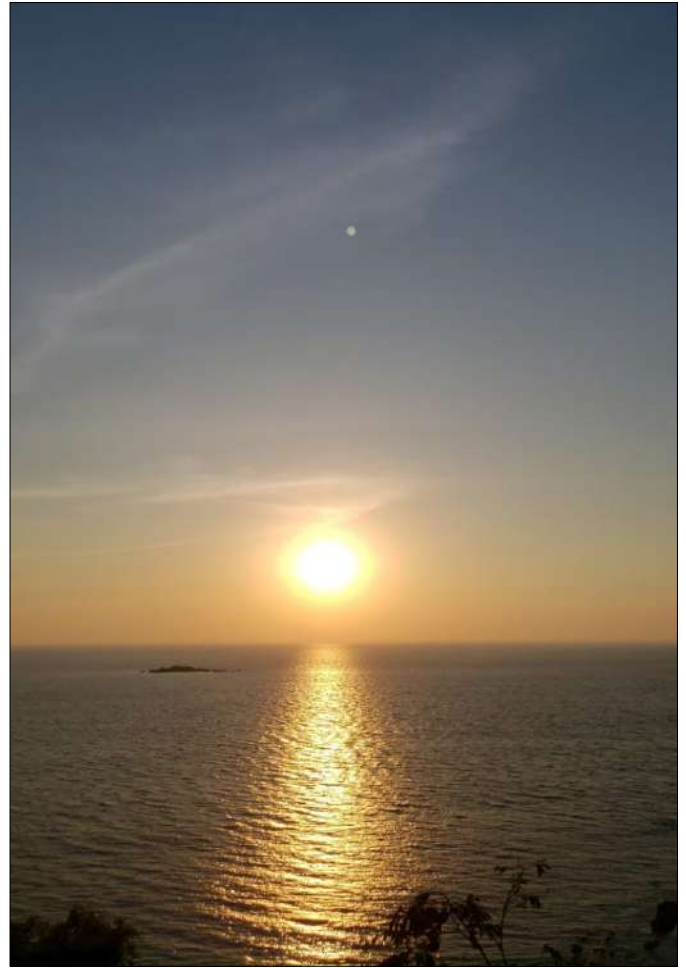
दूर-दूर तक खबर फैली
राजा के दर्दनाक मौत की
देस-विदेस में उत्सव मनाए गए
राजकुमारी के साहस के

राजा अंतिम क्षण तक नहीं समझा
उसकी गलती क्या थी
पर हर देस के हर आदमी को
समझ आयी
औकात नारी-जात की।

Uma Masurkar, FE IT



Noorjahan Mohammed, TE IT



Valen Mascarenhas, TE IT



Prasad Kharkande, BE IT



Siddhant Gawas, TE IT

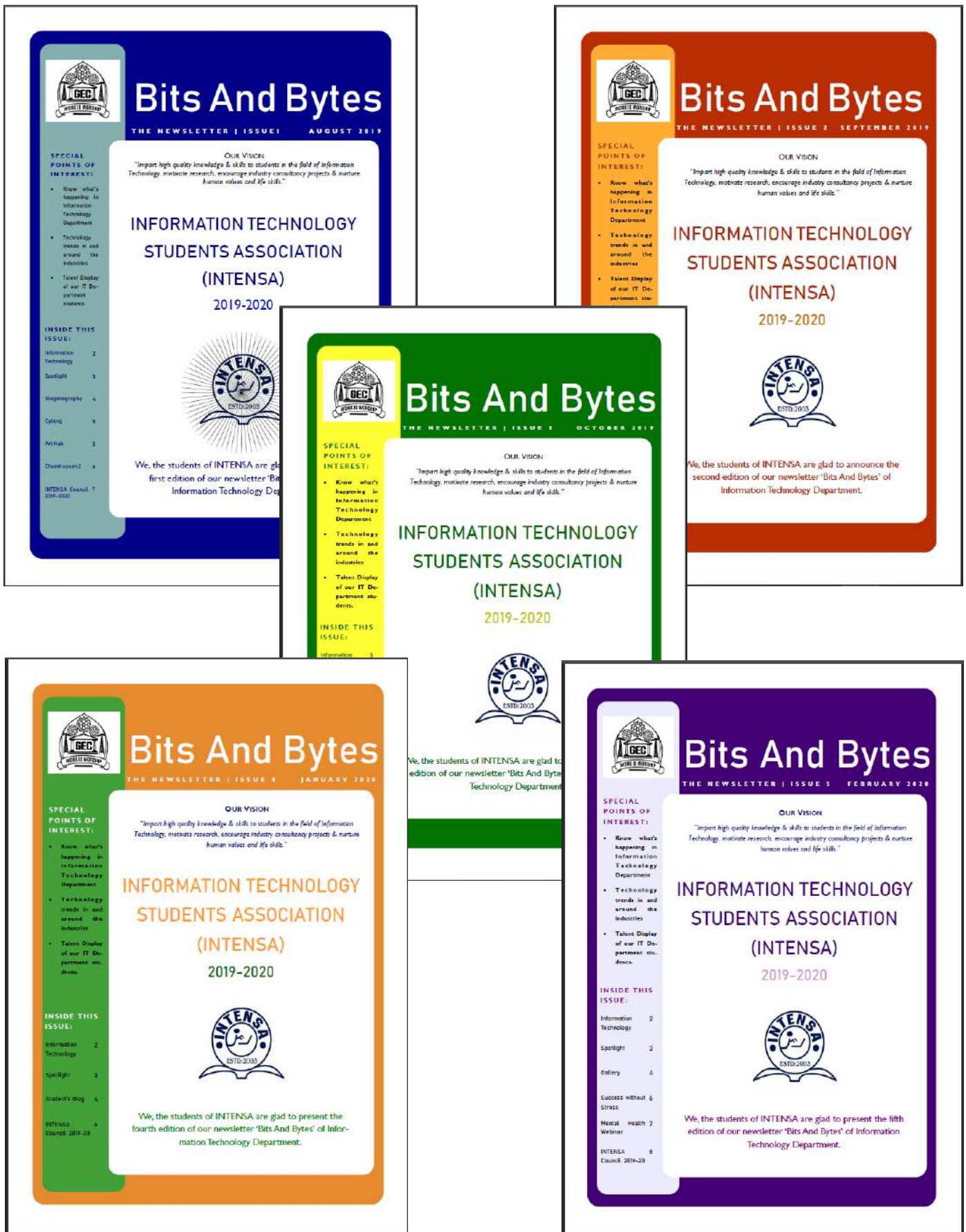
Gayatri Pandit, SE IT



Medhavi Raikar, SE IT



Our newsletter "Bits And Bytes" released during the year 2019-2020



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JENCARL



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