SARASWAT

MONTHLY e-Newsletter

(MULTILINGUAL)

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MARCH 2023

Saraswat Education Society's Sridora Caculo college of Commerce and Management Studies

Field Trip to Bondla Wild Life Sanctuary:

The First Year students of Environmental studies of our College were taken on a field trip to Bondla Wildlife Sanctuary. The trip was organised by Department of Philosophy on 11th Mach 2023. Bondla Wildlife Sanctuary, although being the smallest of Goa's wildlife sanctuaries, is also the most popular one.
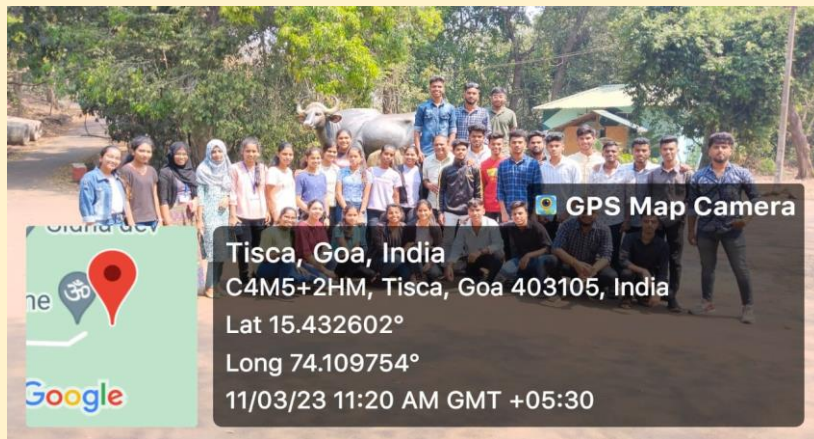
Financial literacy and knowledge on cyber crimes and its prevention :

The Department of Economics, SES's Sridora College of Commerce and Management Studies, organized a 'Session on Financial Literacy and Knowledge of Cyber Crimes and its Prevention' by RBI Assistant Managers, Mr. Praful Thakur and Nimish Raje on 16th March 2023 at 11am to 1pm for FY B.Com. Div. C (Banking) students.

Activities carried out by the Department of Computer Science

Department of Computer Science organised a poster making competition for students of B.Com, BBA and BCA to observe National Science Day. It was held on 20th March 2023 at 11 am in the Seminar hall. Theme for the competition was "Global Science for Global well-being".

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Department of Computer Science organised a workshop for the students of FY, SY and TY B.Com on the topic "Open PGP tools, Data Recovery and Cyber Security" on 21st March 2023 at 12 noon in the Seminar hall. Resource person for the workshop were Mr. Nikhil Malgi, Director of Bhalchandra Technologies and Mr. Imran Khadri, Cyber Security analyst. 84 students attended the workshop.

Workshop on 'Interview Facing Skills':

Career Guidance and placement Cell of our college has organised a workshop on the topic 'Interview Facing Skills' for the TYB.com students of the college on 20th March 2023 at 10.00 am in the college Campus.

Workshop on Formation of SHG and Writing Books of Account of SHG's:

The Department of Accountancy organised a workshop on the topic 'Formation of SHG and writing Books of Account of SHG's on 24th March 2023 at 12.00 noon in the college conference hall.

Millets food festival

The Green Club of the college in association with Department of Economics organised Millets Food Festival on 27th Mach 2023 at 12.00 noon in the college premises. It is a cooking contest which was organised to create awareness among students about millets which are popular for their nutritional value.

Department of Sports and Physical Education:

college cricket selection

First selection was held at Sangolda ground in Nets. Next two days selection was held at Guirim Cricket ground. From second week of march we started our practice session at canca in Nets and practice matches which was played at Guirim Cricket ground. Till now we had played 2 matches and reached in quarter final which will be held on 1st April 2023.
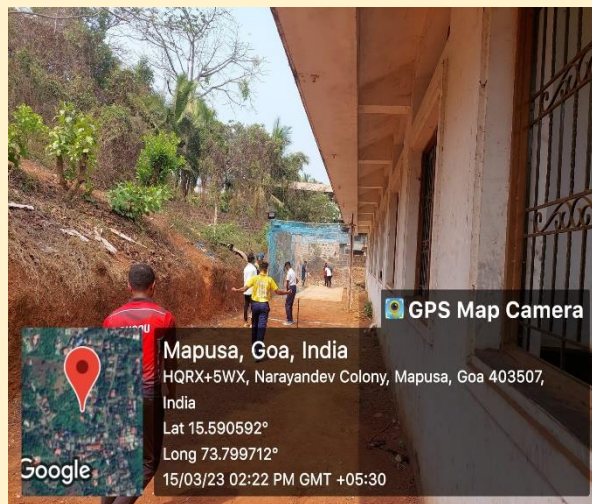
Sports Department in Collaboration with NSS departments celebrated International Women's Day on8thMarch 2023.

Sports Department in Collaboration with NSS department had also invited Chief Guest Dr. Diksha Phadte, MBBS, DDVL to deliver a talk of Skin and Hair related issues faced by women.

Sports department Along with College Alumni Association Celebrated the International Women's Day by cake cutting along with all the Lady teaching staff, Non-teaching staff and students. Mr. Sudanshu salvi, president of Alumni Association was present for function.

Interclass Cricket Tournament:

College Sports Department organized Interclass Cricket Tournament for boys on 27th & 28th March 2023.

Department of Library and Information Science

A session on Intellectual Property Rights and Academic Writings was organized on 25th March 2023.

Bachelor of Business Administration:

Seminar conducted by LIC :

The Career Guidance & Placement Cell and BBA Department at SV's Sridora Caculo College of Commerce & Management Studies, Mapusa conducted a session on "Making successful career through Customer Relationship Management" in association with Life Insurance Corporation of India on 8th March, 2023.

Management Event Lakshya :

The BBA students participated in the national level management fest 'Lakshya' on 10th and 11th of March 2023. A team of five students participated and won the over title of Lakshya 2023. The event had competitions in Marketing, Human Resource, Finance, Best Manager and Entrepreneurship which were dominated by our students.

IWN Goa Chapter:

IWN Goa Chapter organised their annual Conclave called 'It's Her' on 14th March at Hilton Hotel, Saipem, Goa. Five of our students were taken as volunteers for conducting this program. The students managed the front desk managing delegate registrations for the entire conclave. This was part of their on the job learning. This sort of small work assignments help a lot in building the students confidence and the BBA department always encourages these activities. The conclave was attended by our faculty Ms. Pooja Karmali.

Conquest 2.0, a Management event:

A team of six students from FYBBA and SYBBA participated in a Management event called Conquest 2.0, organised by Dempo College, Cujira on 18th of March 2023. The team won the overall title of Conquest 2.0 in a field of nine other colleges.

Bachelor of Computer Application:

An industrial visit to Gwave GBBN office Altinho-Panjim Goa was organized by Ms. Surekha Patil. Total 24 students from FYBCA and SYBCA attended this visit along with teachers Ms. Shalini Gunaji and Ms. Surekha Patil.

### " Selenium & Maven ":

On the 25th of March 2023 the department of BCA of S.E.S's Sridora Caculo College of Commerce & Management Studies , Mapusa - Goa organised a 2 hours workshop (hands-on) on " Selenium & Maven " for the students of SY BCA.

Webinar on Ethical Hacking :

A webinar on Breaking Barriers Ethically : A Comprehensive Guide to Ethical Hacking was conducted on 31st March from 11:30 am to 1:00 pm by Department of Computer Applications in collaboration with MoU partner Bhalchandra Technologies. The resource person for this webinar was Mr. Imran Khadri, Ethical Hacker and Blockchain Developer. Total 100 participants attended this webinar through google meet.
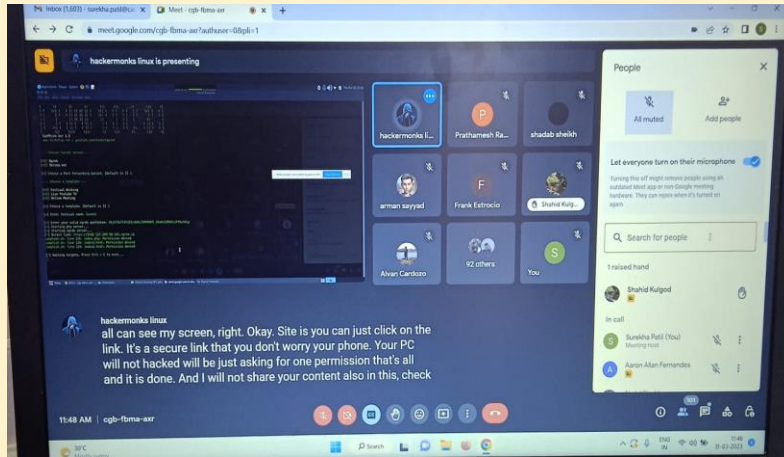
Purushottam Walawalkar Higher Secondary School

Staff Enrichment program:

On 1st March 2023 the staff Enrichment program was held at Parshuvam Farmhouse Advalpal Assanora Goa.A motivational talk for Enhancing Life Skills for Professional Resource person was Shri Kuldeep Kamat , Assistant Professer of Vidya Probodini College of Commerce and Education.

Career Guidance Sessions for Arts and commerce students of Std XI, was held on 8th and 9th March 2023   in A G Keni Hall.Ms Agnes Pinto Facilitator from Antarang foundation was the resource person.

Medical Check Up Camp :

Mapusa Urban Health Centre had conducted Medical Check Up Camp for all the students in the first week of March.

Students' achievements :

Master Manthan. Kinelekar from XI Science won third place a in Monologue competition held at Panvel   Maharashtra.

Saraswat Vidyalaya Primary School

दिनांक ३० मार्च २०२३ रोजी खोर्ली - म्हापसा येथील सारस्वत विद्यालयात 'जागतिक रंगभूमी दिवस' उत्साहात पार पडला. दरवर्षी 27 मार्च रोजी जागतिक रंगभूमी दिवस साजरा करण्यात येतो. या दिवसाचे औचित्य साधून सारस्वत विद्यालयाच्या थिएटर आर्ट क्लब तर्फे, शाळेतील शिक्षकांना त्यांच्या अंगी असलेल्या सुप्त गुणांना वाव देण्याची संधी प्राप्त झाली.

Health Check Up:
Paediatric department of All India Institute of Ayurveda(AIIA) Goa in collaboration with inner wheel club of Mapusa organized a free health check up for the Primary Students from std 1st to 4th on 3rd March, '23 (Friday) 10.00 A.M to 1.00 P.M at Saraswat Vidyalaya Primary School, Khorlim, Mapusa. In this camp there was free consultation along with free distribution of Ayurvedic medicines for various paediatric disorders.

News Corner:

CSE's Green Schools Programme honours over 100 environmentally conscious institutions

Over 700 schools participated in Green Schools Programme

CSE's Green Schools Programme Award recognises schools that are the best managers of their natural resources within their own premises. The Green Schools Programme or GSP was born after the 2003 Supreme Court of India judgement that mandated environmental education in Indian Schools.

The programme was launched in 2005 and the first awards were given to 20 top environmentally conscious schools in 2006. Today over 7000 schools across the country have enrolled on this programme.

Using the GSP manual, these schools have been handheld to consciously work towards resource efficiency in 6 different areas, Air, Energy, Food, Land, Water and Waste.

This helps schools to increase their water table, reduce electricity bills through energy conservation and gradually shift to renewable energy, segregate 100% waste at source, increase green cover, move to sustainable modes of transport etc. The schools are strictly audited on these parameters, and awards are given to the best natural resources managers.

Those schools with a long-term track record of sound environmental practices are also awarded. The state and district with the maximum number of participating schools are also awarded. This year (2023), there are 38 awards to be given in 8 categories.

These categories include: Best Green State Best Green District Newcomer Award Sterling Schools Award Changemaker Award Gold Partner award And GSP Ambassadors The Green Schools Programme Awards Ceremony is an annual event, where top performers from across the country are rewarded for their enterprise and innovative skills.

The objective is to not only acknowledge the effort but also to encourage more schools to come forward and take part in this movement. The Awards Ceremony is a grand affair.

Blockchain shot to fame with the rise in popularity of Bitcoin, a blockchain –based cryptocurrency . However, digital currency is just one of the many use cases of blockchain. Blockchain has been widely adopted across industries in India, with the potential of the use of blockchain expected to reach a business value of $ 176 billion by 2025 Gartner.

The decentralised nature of this detailed ledger technology makes it secure and resistant to attacks while maintaining transparency. Hence, it is gaining popularity in many applications around the world.

The Telecom Authority of India (TRAI) has instructed all telecom companies to start using blockchain technology to tackle the problem of spam calls. The Securities and Exchange Board of India (SEBI) has instructed all depositories to make use of bloch chain technology to maintain records to bring more transparency in the process of record keeping . NITI Ayog has developed a block chain based system for fertiliser subsidy disbursement and educational certificates.

Source: Timesofindia.indiatimes.com/spotlight/blockchain-is-causing-a-tectonic-shift-across-industries-heres-how-you-can-become-a-sought-after-blockchain-professional/articleshow/98391606.cms

Will future computers run on human brain cells?

Breaking ground on new field of 'organoid intelligence'
Web Desk Updated: March 02, 2023 14:30 IST

A "biocomputer" powered by human brain cells could be developed within our lifetime, according to Johns Hopkins University researchers who expect such technology to exponentially expand the capabilities of modern computing and create novel fields of study.

"Computing and artificial intelligence have been driving the technology revolution but they are reaching a ceiling," said Thomas Hartung, a professor of environmental health

sciences at the Johns Hopkins Bloomberg School of Public Health and Whiting School of Engineering who is spearheading the work. "Biocomputing is an enormous effort of compacting computational power and increasing its efficiency to push past our current technological limits."

The team outlines their plan for "organoid intelligence" in the journal Frontiers in Science.

For nearly two decades scientists have used tiny organoids, lab-grown tissue resembling fully grown organs, to experiment on kidneys, lungs, and other organs without resorting to human or animal testing. More recently Hartung and colleagues at Johns Hopkins have been working with brain organoids, orbs the size of a pen dot with neurons and other features that promise to sustain basic functions like learning and remembering.

"This opens up research on how the human brain works," Hartung said. "Because you can start manipulating the system, doing things you cannot ethically do with human brains."

Hartung began to grow and assemble brain cells into functional organoids in 2012 using cells from human skin samples reprogrammed into an embryonic stem cell-like state. Each organoid contains about 50,000 cells, about the size of a fruit fly's nervous system. He now envisions building a futuristic computer with such brain organoids.

Computers that run on this "biological hardware" could in the next decade begin to alleviate energy-consumption demands of supercomputing that are becoming increasingly unsustainable, Hartung said. Even though computers process calculations involving numbers and data faster than humans, brains are much smarter in making complex logical decisions, like telling a dog from a cat.

"The brain is still unmatched by modern computers," Hartung said. "Frontier, the latest supercomputer in Kentucky, is a $600 million, 6,800-square-feet installation. Only in June of last year, it exceeded for the first time the computational capacity of a single human brain -- but using a million times more energy."

It might take decades before organoid intelligence can power a system as smart as a mouse, Hartung said. But by scaling up production of brain organoids and training them with artificial intelligence, he foresees a future where biocomputers support superior computing speed, processing power, data efficiency, and storage capabilities.

"It will take decades before we achieve the goal of something comparable to any type of computer," Hartung said. "But if we don't start creating funding programs for this, it will be much more difficult."

Organoid intelligence could also revolutionize drug testing research for neurodevelopmental disorders and neurodegeneration, said Lena Smirnova, a Johns Hopkins assistant professor of environmental health and engineering who co-leads the investigations.

"We want to compare brain organoids from typically developed donors versus brain organoids from donors with autism," Smirnova said. "The tools we are developing towards biological computing are the same tools that will allow us to understand changes in neuronal networks specific for autism, without having to use animals or to access patients, so we can understand the underlying mechanisms of why patients have these cognition issues and impairments."

To assess the ethical implications of working with organoid intelligence, a diverse consortium of scientists, bioethicists, and members of the public have been embedded within the team.

EDITORIAL

This issue of **SARASWAT** is a humble attempt at filling the void that has been created by the absence of student-run newsletters in most colleges.

While this issue has largely been born out of the Library, we are open to submissions from all students, Teachers and well-wishers.

We hope that subsequent issues will strike up numerous discussions and bring students of various departments closer.

Please email your articles, stories, poems, events, creative ideas, and advertisements to **newsletter@caculocollege.ac.in**. We request you to restrict longer articles to 350-400 words. In case you have any comments or queries related to this issue, please email them to us. Hope to hear from you!