



DAKSHINAYANAM

VOLUME 60 | 2019-2020

ENVIRONMENT

*“What’s the use of a fine house
if you haven’t got a tolerable
planet to put it on?”*

-Henry David Thoreau



HIGHLIGHTS

SIES College organized two programs as part of 'Jagrit Mumbaikar', to raise awareness about safety and security of the citizens of Mumbai.



Afrose Fathima Meeran and Sayali Shirkar won the First Prize in Quiz Competition 'Cerebra' at Symbiotek, IIT Bombay held on 25th- 26th January, 2020.

Shivani Shankarnarayan won gold medal in the 6th Underarm Cricket National Championship 2020 on 18th January, 2020.



The Municipal Corporation of Greater Mumbai felicitated the NSS Unit and the Principal of the college for collection of highest units of blood at the Institutional Level in Mumbai City on 1st October, 2019.

A Three day seminar on 'Ba, Bapu, Baagh' was organized as part of 150th Birth Anniversary of Mahatma and Kasturba Gandhi and 100 years of Jalianwala Bagh episode.



Simran Kuril and Rammya Iyer of the Department of Hindi won Third Prize of 30000/- in Inter-Collegiate Quiz Competition organized by State Bank of India on 16th September, 2019.

Pramod Kamble won the Bronze Medal at the 14th Inter-collegiate Avishkar Research Convention 2019-20 for the project 'Ayurvedic Plant Extract: A Panacea for Bacterial Infections' in Pure Science Category.



Departments of Sciences organized a RUSA funded Two-Day International Seminar on 'Natural Products – Quality, Safety and Efficacy'

Department of Philosophy in association with Maulana Abul Kalam Azad Institute of Asian Studies (MAKAIAS), Kolkata, organized National Seminar on 'Gandhi's Writings on Indian Culture'

Departments of Humanities organized a RUSA funded Two Day International seminar on 'Mapping Indian Diaspora: Issues and Perspectives'.



SUO Pratikesh Bangera,SGT Swaraj Bane and SGT Omkar Ganeshkar represented Maharashtra at National Level Republic Day Camp 2020 and Maharashtra Directorate came in 2nd position out of 17 Directorates all over India.

Lynn Dlima, Ph.D student of Dr. Manju Phadke, was conferred the best presentation award by the International Academy for Science and Research, Kolkata at the International Multidisciplinary Research Conference held on 29th July 2019, Aurangabad.



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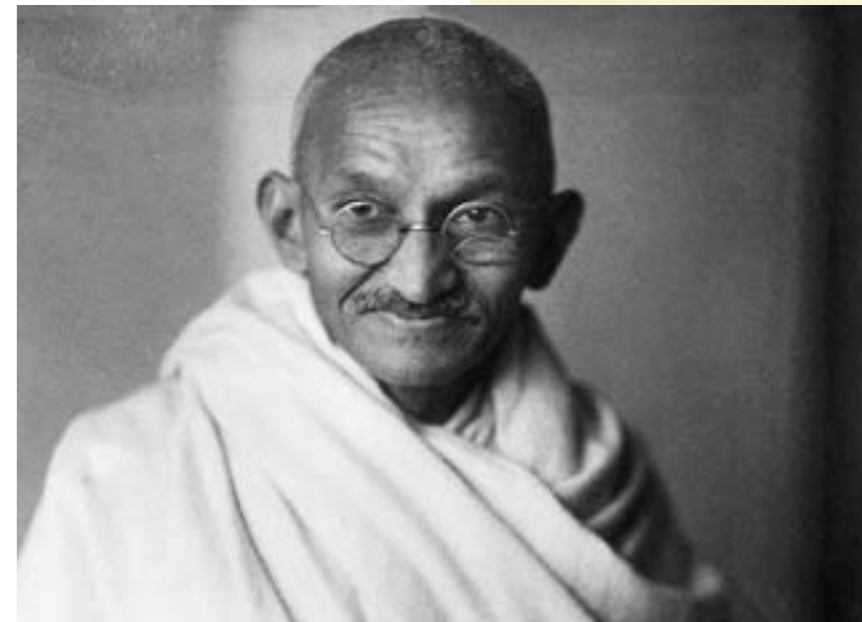
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From the Principal's Desk ...



As our institute takes on the second year of Autonomy, we have started bearing fine fruits of it. We initiated few more certificate and diploma courses along with credits this year. Bright students grabbed more credits while others got allured towards these new programs. The Academic results were very satisfying. The students have performed exceedingly well in both co-curricular and extracurricular activities. Under the aegis of Rashtriya Uchchar Shiksha Abhiyan (RUSA), we organized two International conferences. Under humanities the Arts departments came together for “Mapping Indian Diaspora- Issues & Perspectives” while from Science departments we had “Natural Products – Quality, safety & efficacy. It was indeed a grand success and took our institute on the global map.

We conducted many programs honouring Mahatma Gandhi's 150 years for the students like seminars, competitions and symposium. To commemorate Bapu's and Kasturiba's 150th Birth anniversary and 100 years of Jallianwala bagh massacre, we along with GN Khalsa College organized a unique program – Ba Bapu Bagh – Reliving BA, Reflecting Bapu and

Reimaging Bagh. Not only were we fortunate to have Veteran actress Rohini Hatangadi, Gandhi's great grandson Dr Anand Gokhani but also we had few family members from Amritsar who shared memories of their forefathers who lost their lives in the brutal act. This was followed by a National seminar on Gandhi's writings on Indian culture along with Maulana Abul Kalam Azad Institute of Asian Studies (MAKAIAS), Kolkata and a seminar on Gandhi by the Hindi department on Gandhi & Hindi literature. Utkarsha and Visions as usual added much value to literary & cultural side of College festival.

As the term was to close, the advent of Covid-19, slowed down and almost brought everything to a standstill due to lockdown. It was most unexpected and since we were unprepared it came as jolt. During this lockdown period all staff members have turned this predicament into an opportunity to engage in learning technological tools, enhancing on line teaching methods, have enrolled for new courses, organised webinars on relevant themes. Many activities for the students were made available based on skill development, career opportunities understanding emotional and psychological needs and so on to keep

them occupied. They were in the form of workshops, quizzes and debates.

As the lockdown ends we hope to get back with all resilience and spirit. This has got us loads of lessons for lifetime! Mankind, at large having damaged the planet over the decades, it is important to give time for nature to heal. The steps we take henceforth shall be slow but firm and rooted in those values which shall keep integrity and gratitude intact. We shall overcome; overcome our fears, doubts and uncertainty very soon. Time is a great healer. As Krishna says “No one who does good work will ever come to a bad end either here or in the world to come” Let's together practice love, tolerance and selflessness to add much meaning to our lives.

As we look forward to the new academic year we shall commemorate the diamond jubilee of the institute. We have come a long way indeed and it is the time to redefine and reset our goals. Appreciate all stakeholders for their constant support and believing in us as we dream big as the most 'Admired Institute'.

Dr. Uma Maheshwari Shankar
Principal

Staff Editorial

The editorial team of students and staff of the college magazine Dakshinayanam is happy to hand over its sixtieth issue in the academic year 2019-2020. Every year the magazine adopts a particular theme to encourage students to think deeply and bring forth some important aspects attached to the theme.

This year Dakshinayanam focuses on the topic of Environment. Students have tried to explore the current concerns related to environment, including the serious impact of Corona Virus- COVID 19 pandemic which we all are facing today. Across the universe our earth occupies a unique place due to its ability to propagate, sustain, evolve and co-exist different living beings. The care for earth thus equates with the protection of our environment and eco system. Only then, the progress of human beings and all the living entities on which the human world rests, can be achieved in a sustainable manner. Human existence and environmental sustenance are the keys to a better future of the planet. It is the responsibility of the living generations to safeguard environment for the future generations.

Since the last few years, we have been witness to the increasing negative impact of human activities on the environment. However, one wonders at the reasons of our reckless exploitation of the environment and the effects of its impact on our own

existence. These questions plague many environmental activists and those who are sensitive enough to these issues.

Since the Industrial Revolution, the countries have pushed themselves for material progress and development. A large fraction of this development is supported at the cost of environmental resources. Even now, in the turn of the twenty-first century, we humans are reliant on natural resources. This dependency on natural resource for growth and progress has led to severe irreversible damages to our environment such as loss of exotic species of flora and fauna, natural mineral wealth, water resource and ecosystems leading to adverse climatic change and environmental hazards.

There have been attempts to work towards controlling the environmental degradation however, it is a matter of continual efforts which is possible with the will and dedication of each one of us. The protection of environment and coexistence is the foundation of



human culture. This issue illustrates the examples of some extra-ordinary efforts by incredible people who have shown us the way towards creating a sustainable environment.

The care for our environment then, is the care of our-selves in the real sense.

Along with exploring the environmental concerns, on the occasion of the 150th birth anniversary of Mahatma Gandhi and Kasturba Gandhi, this issue of Dakshinayanam pens an ode to their extraordinary life and the path of solidarity which they lived as a guiding spirit for all of us to always remember. During these trying times of the Corona pandemic, the superlative attempts of the student editorial board to bring out this issue needs to be specially acknowledged. We hope all of you will appreciate the efforts made by us.

Varsha Muley
Faculty Editor

Student Editorial

In this world of plant and animal kingdom, intelligence is the key factor that makes humans superior as a creature to others. However, for homosapiens, planet earth has been and still is, an unsolved mystery. And in this mysterious nature we humans find euphoria. Hence we came up with the theme 'Environment' for the issue of 2019-20. The student editorial team expresses its sincere gratitude and joy in presenting the 60th issue of Dakshinayanam.

Acknowledging differences of opinions and collaborating for the magazine was challenging, yet an interesting task. We have tried to connect the environment with various

arenas such as culture, education, spirituality, food etc. Interviewing an Indian Forest Services Officer was truly insightful. Editing, discussing and creating illustrations amidst the pandemic, while working from home, has been a teaching experience. This year, we also have a section on Mahatma Gandhi to commemorate his 150th birth anniversary. Each page of the magazine contains beautiful pictures of nature which shall evoke a deep sense of nostalgia among the readers. We request the readers to peruse the magazine with an open mind.

We are all going through tough times and it shall go down in the history of humanity. We at

Dakshinayanam urge everyone to have patience, compassion and kindness towards others.

Let us practice as we preach, वसुधैव कुटुम्बकम्.

Hope you enjoy reading this issue!

Shraddha Anish, Student Editor
Khyati Trivedi, Student Co-editor

Send in your comments & views at dakshinayanam@gmail.com



ANNUAL CONVOCATION CEREMONY



Nirupama Subramanyan, (Senior Journalist) Indian Express, Chief guest at the convocation being felicitated by Principal, Dr. Uma Shankar



Ms. Shipra Sharma, Squadran Leader-Retired, Head- CSRD, Larson & Tourbo Infotesh, awarding degrees at the convocation





RESULTS AT A GLANCE

Class	Appeared	Passed	Distinction	I st Class	II nd Class	Pass Class	School/ College %
XI ARTS	320	299	84	117	91	7	93.44
XI SCIENCE	638	616	145	284	181	6	96.55
XII ARTS	311	307	94	168	43	2	98.71
XII SCIENCE	608	579	116	284	179	0	95.23
FY BA Semester-II	303	242	0	40	144	58	79.87
SY BA Semester-IV	266	220	0	43	126	51	82.71
TY BA Semester-VI	186	166	2	67	94	3	89.25
FY BCOM Semester-II	233	181	0	19	59	103	77.68
SY BCOM Semester-IV	220	202	0	26	95	81	91.82
TY BCOM Semester-VI	194	147	1	55	91	0	75.77
FY BSC Semester-II	416	325	0	87	72	166	78.13
SY BSC Semester-IV	285	248	0	98	75	75	87.02
TY BSC Semester-VI	231	185	3	122	60	0	80.09
FY BSC C.S. Semester-II	116	97	0	27	48	22	83.62
SY BSC C.S. Semester-IV	92	86	1	23	47	15	93.48
TY BSC C.S. Semester-VI	74	60	0	21	37	2	81.08
FY BSC B.T. Semester-II	43	39	0	25	10	4	90.70
SY BSC B.T. Semester-IV	40	34	0	18	10	6	85.00
TY BSC B.T. Semester-VI	31	29	0	23	6	0	93.55
FY BMM Semester-II	88	82	2	17	50	13	93.18
SY BMM Semester-IV	68	65	1	22	28	14	95.59
TY BMM Semester-VI	83	69	3	41	24	1	83.13
FY BMS Semester-II	89	88	1	49	25	13	98.88
SY BMS Semester-IV	89	86	4	46	32	4	96.63
TY BMS Semester-VI	93	91	9	62	20	0	97.85
FY BSC - IT Semester-II	95	82	1	33	12	36	86.32
SY BSC - IT Semester-IV	67	62	0	21	18	23	92.54
TY BSC - IT Semester-VI	70	67	0	40	27	0	95.71
M.SC. - Semester-II	71	59	3	51	5	0	83.10
M.SC. - Semester-IV	64	61	3	50	8	0	95.31
M.SC. - IT Semester-II	21	20	0	12	8	0	95.24
M.SC. - IT Semester-IV	11	11	0	3	8	0	100.00
M.SC. - BT Semester-II	20	19	0	18	1	0	95.00
M.SC. - BT Semester-IV	19	17	1	15	1	0	89.47
M.SC. - CS Semester-II	21	16	0	7	9	0	76.19
M.SC. - CS Semester-IV	16	16	1	15	0	0	100.00



TOPPERS

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Arts



Bhatt Vinita Jaidev
FYBA



Rajdeep Vijayaraj
SYBA



Shah Sakshi Prakash
TYBA



Bhide Gandhali Atul
TYBA



Choudhary Pooja Rajesh
TYBA



Mandal Malika Praash
TYBA



Nair Arya Satheesh
TYBA



Neeraj Nambiraj
Ramachandran
TYBA



Suryawanshi Tanvi
TYBA

Science



Mishra Priyanka
FYBSc(IT)



Ummehaani Shaikh
FYBSc



Lydia John Ponraj
SYBSc



Masira Kazi
SYBSc (IT)



Ishpreet Singh
Bhayana
TYBSc (IT)



Flinta Esther Dephy
TYBSc



Jain Dhruvi Vinod
TYBSc



Ojasee Bapat
TYBSc



Pai Shreelaxmi
Balkrishna
TYBSc



Parte Tanvi Vilas
TYBSc



Priya Menon
TYBSc



Revathi Devendra
TYBSc



Shaikh Heena
TYBSc



Nauman Sakarkar
TYBSc (CS)



Pristina Varghese
MSc - II (IT)



Shivani Aigalikar
MSc- II (CS)



Sawant Pooja
MSc II



Ajay Hansraj
MSc-II

Gupte Rutuja
Sandeep
MSC-II (BT)Pranali Mahadik
MSC-IIRamkrishnan Bhakti
MSC- IIRukaiyaa Shaikh
MSC-IIShivnath Harpad
MSc ITSingh Rahul
Sukhranjan
MSC-II

Commerce

Obhan Muskaan
FYBCOMGupta Rupa
SYBCOMDhamjewar Harshini
Madhukar TYBCOMJaiswal Priyanka
Abhayraj TYBCOM

BMS

Raunaq Walia
FYBMSShresti Ande
SYBMSJui Sunil Chahure
TYBMS

BMM

Shreya Dadhich
FYBMMTulika Awasthee
SYBMMBushra Satkhed
TYBMM

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Bushra Khan
XI, ArtsTanya Deshpande
XI, ArtsRohan Srinivasan
XI, SciencePrajwal Kotian
XII, Arts

LITERARY SECTION



The Totems of Gaia

I can't help but relate to what Roald Dahl said: "...the greatest secrets are always hidden in the most unlikely places." For me, as silly as it sounds, that unlikely place was YouTube. Being 'eerily accurate' about what I 'need' to watch, the YouTube Recommendation Algorithm never ceases to surprise me. It was the TEDx talks marathon this time (not surprised that it caught me procrastinating). Anyways, it was this one video which stood out from others. The TEDx speaker wore a large feathered ceremonial headdress and had painted his face which symbolized his Native American origins. Nixiwaka belongs to the Yawanawa tribe of Amazon Rainforest situated in Brazil. His reason for speaking on TEDx platform was to not only share his culture and tradition with people outside of his community but also to raise awareness about important global concerns like climate change, deforestation and also the dangers faced by indigenous communities due to illegal encroachments, mining and logging.

What fascinated me was the Yawanawa tribe's respect towards nature and its underlying spiritual essence. The Shamans or healers of the Yawanawa tribe believe in first asking the plant before using it for



Nixiwaka belongs to the Yawanawa tribe of Amazon Rainforest situated in Brazil. He speaks at various platforms like TEDx to create awareness about his culture

healing their people, without which, the plant won't affect them. They've not only established an unspoken, unwritten consent but also an intimate understanding that everything, be it animate or inanimate, is connected and dependent on each other. The tribe is known for their profound spiritual knowledge and possesses a deep connection with the healing plants of the world's most biodiverse region and a holistic vision of harmony with the natural cycles of life.

Their spiritual knowledge is often expressed through creation of stories and myths, storytelling, folklore,

ritual practises which are passed down from generation to generation and are considered as treasures of their ancestors. In the Maori culture of New Zealand, the idea of 'co- existence' is deeply reflected in the word "kaitiakitanga", which means guarding and protecting the environment in order to respect the ancestors and secure the future. Many Native Americans and indigenous tribes from around the world live by the philosophy of '7th Generation Principle' which takes its name from the Great Law of the Haudenosaunee, the founding document of the Iroquois Confederacy. It puts forward the philosophy that, "In our every deliberation, we must consider the impact of our decisions on the next seven generations." To quote a few lines from the Constitution of Iroquois - "The thickness of your skin shall be seven spans — which is to say that you shall be proof against anger, offensive actions and criticism.....Look and listen for the welfare of the whole people and have always in view not only the present but also the coming generations, even those whose faces are yet beneath the surface of the ground — the unborn of the future Nation."

The most abused resource which caused and is still causing danger and





trauma to the indigenous people is the 'Land'. While raising concerns about this, Writer and Educator Judy Atkinson states, "Land is very important to Aboriginal people with the common belief of 'we don't own the land, the land owns us'.... Land, to Aboriginal people, is a major part of their identity and spirituality. They have a connection and sense of belonging to their land.... It is a story place and holds the stories of human survival across the generations, shaping people, just as people shape their countries."

The indigenous territories of Amazon rainforest not only conserve the forest but also act as a barrier to deforestation. There are still more than 100 'uncontacted tribes' in Amazon forests alone, who are more vulnerable to the development activities of the government. Furthermore, most indigenous territories have been designated as national parks, ironically, to protect biodiversity leading to forceful eviction despite the recognition of indigenous land rights under international law. Like

the Nixiwaka of the Yawanawa tribe, elders and leaders of various other tribes, with the help of activists and NGOs, have come forward to demand rights to their lands as well as make non-indigenous people aware of the resulting damage to the ecosystem. "We have been here forever and we know the natural cycle of things," says Maori leader Catherine Davis. "We know when there is a blip, we know when there is a glitch. We know when something is going down in terms of sustainability. So, we need to be heard more clearly."

The modern perspectives towards environmental ethics differ from what indigenous cultures believe in. Our perceptions differ regarding the 'universal consideration for all things', where, our social conditioning limits it to a moral principle; where even the notion of "respect" may have overtones of 'hierarchical relationships'. Whereas, for most of the indigenous cultures these values signify a mode of presence in the world arising out of an awareness of, in the words of author T. F Hodge,

"What surrounds us is what is within us." It's not just going back to the roots to know the possible solutions to the crisis but it's also coming back and making the solutions possible. These roots lie in our traditional beliefs, stories, mythology, philosophy and a holistic understanding of their 'connectedness'. The common understanding of the Human- Nature relation throughout the indigenous tribes of the world and the initiatives taken by their Elders and leaders, not only for their people, but for the animate and the inanimate in the Nature with whom they co-exist in harmony, makes me question the values and responsibilities we hold as 'fellow beings'. A change in the behaviour is as important as the sustainability principles. A change starting from the Golden Rule of Confucius – "Don't do unto others what you don't want done unto you".

To sum it up in the award-winning Geneticist, David Suzuki's words – "The way we see the world shapes the way we treat it. If a mountain is a deity, not a pile of ore; if a river is one of the veins of the land, not potential irrigation water; if a forest is a sacred grove, not timber; if other species are biological kin, not resources; or if the planet is our mother, not an opportunity--then we will treat each other with greater respect." Thus, the challenge is to look at the world from a different perspective because as Roald Dahl says, "And above all, watch with glittering eyes the whole world around you because the greatest secrets are always hidden in the most unlikely places...."

-Harshada Borade, SYBA

Global Warming..... The Other Side



Climate change, carbon footprint, extinction... these are words that aren't hard to come by nowadays, not to underestimate the tremendous impact it has had on people in the informed world, especially the zealous youth. There is nothing better than people forgetting differences and uniting for our environment. But come to think of, is that it? Is that all that has been done?

To try and put it in a direct way, there's more negativity around the situation than what's seen by the naive eyes of a simpleton. Yes, there

are indeed environmental problems that need the attention of humanity, but what about the problems that are created due to fear-mongering and lack of canvass amongst the people of the so called modern world? Psychologists are already warning about the growth of a new trend called 'eco-anxiety' in children. In layman's terms, it is the unusual anxiety or nervousness in a child due to fear of environmental changes around the child. Some even go as far as describing it as 'Children fearing the death of their parents and friends in twelve years'... Folly, or not? For

a movement that claims to care, protect and provide for our future generations, developments like these seem to be counterproductive to say the least.

The queen of the climate change activists, the foster child of extinction rebellion, thou who shan't be named, has become the unofficial ambassador of this movement. There was one, similar to her but not as popular or nearly as much of a sacred cow as she is, who published a book in the late 60s. He was Paul. R. Ehrlich, a Stanford University biologist. He published his book, The Population





Bomb, in 1968 which, though at first was unpopular, was soon bought by millions. The very inception of his book was, "The battle to feed all of humanity is over." The tone was set and things only went downhill from there. Further in his book, he wrote about how hundreds of millions of mouths would starve to death in the 1970s out of which, around 65 million would be Americans. He also passes remarks on the doom of, what he calls, 'Crowded India' and how the UK would cease to exist by the year 2000. It is more than safe to say that he was nothing but wrong, considering the very fact that you are reading this right now. On analysing the situation one can see how Ehrlich, in his book, is seen to be jumping from what seems to be his illustrations of possible outcomes to- what one might call- predictions of the future. His prophecies and comments, which although turned out to be untrue, are considered to be one of the primary contributories for the argument of human impact on the environment. Many consider his work as the mother of the nascent environmental movement whilst praising him for the same. But at the

“THERE IS NO DENYING THAT THE MANY HUMAN RIGHTS ABUSES THAT CAME IN THE FORM OF 'COMPELLED' POPULATION CONTROL WERE ONE WAY OR THE OTHER INSPIRED BY EHRlich.”

same time there is no denying that the many human rights abuses that came in the form of 'compelled' population control were one way or the other inspired by him. The Chinese 'One-Child' policy is the classic example of the same. The after-effects of his works were seen even here in India, when the then Prime minister Indira Gandhi with her son Sanjay Gandhi made sterilisation mandatory.

Fast forward to today, global warming and issues related to the environment have come to the forefront. They hold an importance such that, there are entire vote banks built on and around environmental issues. We, as Mumbaikars, needn't look further than our previous elections to see this model come to life. Is that to say narratives like the one of Ehrlich's have halted? Nay. If anything, they have multiplied. On reading the works of Ehrlich or even rereading about him in this article,

one might take notice of the immense effect his words had on the thoughts of people. And these changed mindsets led them to do what they eventually did. Doomsday narratives, fear of the unknown amongst people drove them to actions whose consequences they knew not. The question still remains- are we, as humanity, planning on repeating history or do we plan to enhance the capacity of our precious ecosystems in order to ensure not only the survival of our inheritors but also that of the magical beings around us?

At the end of the day, the point is not to mock anyone's effort to improve our environment or, God forbid, discredit genuine attempts of environmentalists. It is to merely keep one's sanity intact in crazy times as such, where the difference between truth and falsehood is just a click away.

-Revathy Ramchandran, FYBA.

Nanotechnology Unraveled Big Isn't Always Better

“Why we cannot write the entire 24 volumes of the Encyclopaedia Britannica on the head of a pin?” This was the question put forth by physicist Richard P. Feynman in his lecture “There's Plenty of Room at the Bottom: An Invitation to Enter a New Field of Physics” at the annual American Physical Society meeting at Caltech on December 29, 1959. His precocity sent a flooding wave of curiosity to understand about the strange particles present in nature. The myriad of hues on the peacock feathers, the ash spewed out of the volcano, and even the sand on the beach that tickles one's toes are all made up of building blocks called Nanoparticles. “Big isn't always better” is depicted by these entities which are so miniscule that they are one billionth of a meter. Nevertheless, their small size has proved to be an enormous breakthrough in the spectrum of Science and Technology. Today, it is considered to be one of the most promising technologies that will bring in dramatic ideas and would be defined as the Science of the future.

Nanotechnology has helped in the development of healthcare in the form of drug delivery to target



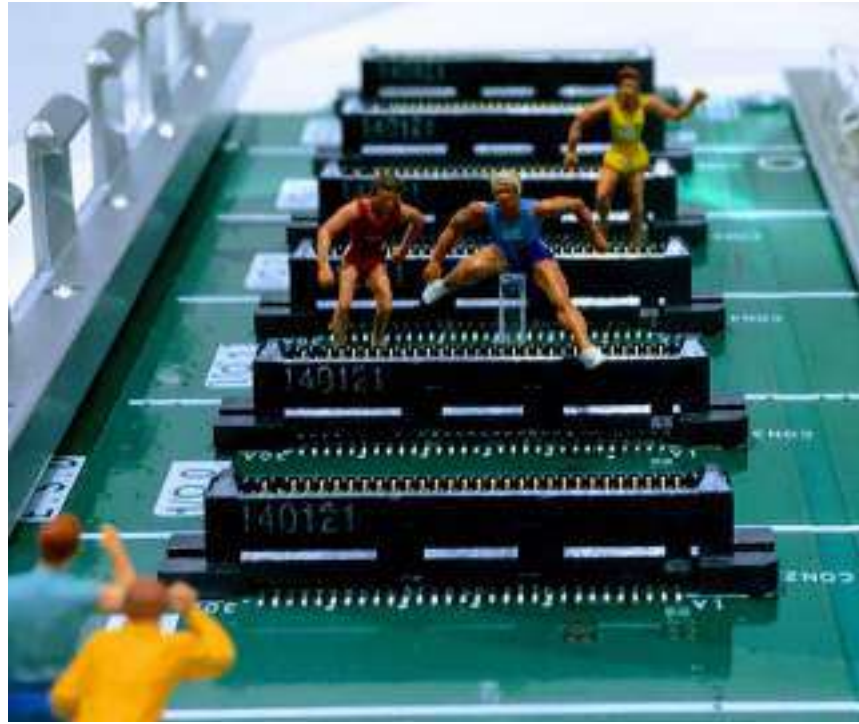
organs, diagnosis and even improved drugs in the market. It has also helped in wound dressings, electronics, cosmetics, food packaging and supplements where the latter is properly monitored and kept under scrutiny. In recent years, silver and gold nanoparticles are being used as catalysts and in diagnosis of cancer due to their properties of magnetic resonance, biocompatibility and non interfering nature. Antibodies are attached to Gold Nanoparticles and when a particular analyte

interacts with the antibody, it leads to colour change due to change in the Surface Plasmon Resonance. In cancer, Human Epidermal Growth Factor Receptor attaches onto the antibody which helps in the detection of the tumour. Carbon nanotubes have a promising effect over nerve regeneration, which was earlier unheard of. Slowly and gradually, this field is laying down foundations for interdisciplinary sciences like Nano-oncology, Nano-neurology and Nano-biotechnology.

The advancements in the field of Nanotechnology are considered to be a revolutionary breakthrough as they have changed the outlook of surgeries in an unimaginable way. Companies like PPG industries, BASF and The Dow Chemical Company are gaining momentum in the market with their investments on stake and this has created a rising competition in the market to deliver nanotechnology to its true scientific fiction potential. Each and every company has pumped up its Research and Development

“IT IS CONSIDERED TO BE ONE OF THE MOST PROMISING TECHNOLOGIES THAT WILL BRING IN DRAMATIC IDEAS AND WOULD BE DEFINED AS THE SCIENCE OF THE FUTURE.”





NANOTECHNOLOGY HAS BEEN A BOON TO BENEFIT MANKIND AS A WHOLE, BUT THERE ARE CERTAIN CONS OF THE SAME. ITS USE IN BIO-WARFARE WOULD BE A NIGHTMARE AS IT WOULD MAKE WAY FOR DIRE CONSEQUENCES.

sector, such that the screening for innovative and creative discoveries are made regularly. This has thus enhanced the need for researchers and scientific scholars to go hand in hand with businessmen to expand the horizon of profits from this field of Science. According to “UNESCO Science Report : Towards 2030” published in 12th July, 2016, Switzerland is one of the top 3 countries which has given the highest output in nanotechnology. This field is also considered as one of the key elements in advanced manufacturing techniques in major industries as means to deliver strategic and flexible outputs.

In recent years, Nanotechnology has also created an impact on our environment. For example, oil spills have affected the aquatic ecosystem in a disastrous way and this has been a cause of concern for marine life. As a means to remedy this situation, carbon nanotubes are being used to clean the environmental pollution where they are added with boron atoms to act as sponge that absorb the oil and the component added to the water body is retrieved by inducing a magnetic field. Gold Nanoparticles are also being used to trap oil droplets with the combined effect of carbon nanotubes. Reverse osmosis, a water purification process, also uses carbon

nanotubes in the desalination process which makes the water potable. They are being explored in the field of Food Microbiology as their use in detecting spoiled food is being understood. They are also being used to detect the amount and kind of bacteria in drinking water. This field has thus helped in providing cost effective and alternative bio-management strategies.

Nanotechnology has been a boon to benefit mankind as a whole, but there are certain cons of the same. One of the major disadvantages, is the ethics associated with the manipulation of structures and living systems at a molecular level, as this right can be easily misused. For example, the use of nanotechnology in bio-warfare would be a nightmare as it would make way for dire consequences. Also there would be a risk in the economical aspect of the society as the rich would get richer and the poor turning poorer with only the high-income groups gaining monopoly over this field of technology. It would also lead to an increase in unemployment rates as automation would start dominating the industrial sector.

Finally, I would like to conclude by quoting a few lines from The Bhagavad Gita, “From the mode of goodness, real knowledge develops; From the mode of passion, greed develops; and from the mode of ignorance develops, madness, foolishness and illusion.” So, it’s we as individuals who have to decide whether to use nanotechnology for the welfare of the larger good or for practices that are unethical and maleficent.

Sneha Narayan, SYBSc.

Food Security: A Sustainable Challenge

The most essential thing in anyone’s life, after air and water, is food. This is enough for us to know the importance of food. It is the only source of energy for our body and is necessary for its normal growth and development. All bodily functions perform perfectly when the food we eat is healthy. For this reason alone, food must be made available for every person and this will happen only when food is produced. Food production provides the basis for food security. As the population is growing day by day it has become crucial to produce more and more so as to fill all stomachs. But in many places this essential element is not made available. Poverty plays a huge role in this. Good and better products are always made available to the rich and wealthy and some affordable middle class. The poor are most of the time denied nutritious food. To tackle this problem, genetically modified food is now being made available. GM plants are generally cultivated for its high resistance to insects, pests, tolerance to high temperatures, drought etc. They can also concentrate strong colours of food or eliminate seeds, e.g. Seedless grapes and watermelons. They can also be fortified to have high levels of



nutrients such as proteins, calcium, vitamins etc. For example, Golden rice is a genetically engineered crop that has high levels of beta-carotene, which is the precursor to vitamin A. This rice was introduced mainly to eliminate night blindness in poor and underdeveloped countries. GM food also has longer shelf life than others allowing it to be transported to remote areas.

Just as we say that a coin has two sides, critics say that GM food might not be as safe as it seems to be. The worries that arise due to GM

food includes allergies, antibiotic-resistance and even cancer. In the mid-1990s, researchers examined a strain of GM soybean that was engineered to have protein from Brazil nut allergy. It is also said that GM food is making pathogens resistant to antibiotics which ultimately makes it harder to kill them. This is not yet fully verified. Hence one cannot say that GM foods are harmful but these cons still remain as a barrier to use GM food.

Even though such food crops have been introduced in the food





“MANY TIMES, WE DON'T REALIZE THAT WASTING FOOD IS WASTING RESOURCES. EVEN HALF A PLATE OF FOOD WASTED COULD HAVE FILLED ONE EMPTY STOMACH. WHEN FOOD IS THROWN UNUSED, IT IS ALSO A WASTE OF THE RESOURCES USED TO MAKE IT.”

market, it is estimated that around one third of the food produced globally is lost or wasted. Food waste refers to decrease in the quantity of food resulting from decisions and actions by retailers, food service providers and even consumers. Food is wasted in many ways. Many food grains and products have specific standards which might be with regards to its shape, size or colour. Any product deviating from this optimal range is mostly thrown away. Food stuff which is close to expiry date or has expired is also discarded. Lack of good storage facilities or poor handling of food also wastes it. Many times, we don't realize that wasting food is wasting resources. Even half a plate of food wasted could have filled one empty stomach. When

food is thrown unused, it is also a waste of the resources used to make it. The time and energy of the farmers, the water used to grow the raw materials (crops), the energy used for harvesting the produce, the electricity and materials used for packaging, everything is wasted. The waste in turn makes the resources decrease which will make these resources more expensive in the future. Hence it is necessary to reduce wastage. Healthy habits formed at home can also help keep wastage of food at bay. Handling food stuff properly, proper storage, using only required quantities of food etc. can help us reduce wastage of food.

We know that most food items are packed in plastic. Hence wasting

food not only reduces food as an important resource but also chokes the environment. We all know the ill-effects that plastic is causing the world. Using organic materials for packing and storing food items help the environment. When discarded, these packages can degrade and form manure or act as a base for plants to grow. Another idea is to use edible cutlery which will reduce the use of plastic cups, bowls, spoons, etc. These can be made out of wheat or regular flour. Different spices and colours can be mixed with these to add flavour and also to attract people.

As mentioned earlier, for this growing population good quality and quantity of food is required. While science is doing its part, let each of us do our part and help every individual get their share of this important resource. It is important that we take action now rather than regretting later.

-Charushree Santosh, FYBSc



Mangroves: Our Natural Protective Shield

An Interview with Mr. N Vasudevan

N. Vasudevan is an Indian Forest Officer of 1987 batch, currently serving as Additional Principal Chief Conservator of Forests, Mangrove Cell, Mumbai. As head of the Mangrove Cell since its inception, he is responsible for many pioneering initiatives in the field of marine biodiversity conservation in the State of Maharashtra, including the creation of the Thane Creek Flamingo Sanctuary, setting up of the Mangrove Foundation and introduction of many mangrove-based livelihood programmes like crab farming, oyster and mussel farming, cage culture of brackish water

fishes and ornamental fish culture.

Mr. Vasudevan is the recipient of several awards, which include, the Arun Bongirwar Public Service Excellence Award, 2019; Maharashtra Civil Services Day Honour, 2017; Mangrove Society of India Fellowship, 2016; Sanctuary Asia Wildlife Service Award, 2015 and M.S. Swaminathan Foundation Special Award, 1992.

Sources: CWAMWAF

In your opinion, have you ever felt that the urban communities are sensitive enough in understanding

the importance of mangroves? What are your suggestions for increasing public participation?

When I came to work in Mumbai in 2012 with the mandate to start the “Mangrove Cell”, I was pleasantly surprised to note that “mangroves” were a hotly discussed topic in the media. I took it to be a reflection of the high degree of awareness among the general public about environmental issues in general, and mangroves in particular. Over the years, we have made serious efforts to further spread awareness

about mangroves, wetlands and the marine environment. For instance, we organised programmes like the “Clean Mangrove Campaign” to rid mangroves of solid waste, celebration of Mangrove Day (26 July), mangrove walks, mangrove marathon, photography, essay and painting

competitions and a number of other events involving students, youth and the general public. But even after eight years of sustained efforts, I feel we have just skimmed the surface and a lot more needs to be done to bring about last-mile environment literacy amongst our urban communities.

IN RECENT TIMES, WE HAVE SEEN OUR POLICY MAKERS WAKING UP MORE AND MORE TO THE NEED FOR STRIKING A BALANCE BETWEEN ENVIRONMENT AND DEVELOPMENT.



Of late, Mangrove Cell has made sincere efforts to increase its social media presence. We need to design and implement many more mass outreach programmes to spread awareness about mangroves. It is a never-ending process, but I do believe that every drop counts and no effort is wasted.

How can we try to strike a balance between environment and development in Mumbai? Is it an ideal or will it be a reality?

In a densely populated city like Mumbai, there will always be constant demands for better infrastructure, public amenities and the like. To compound the problem, people keep migrating to Mumbai from all parts of India, particularly rural areas and small towns. In short, Mumbai’s developmental needs are truly overwhelming. Unless we are careful, development considerations can easily override those related to the environment. But we also have good reasons to conserve the natural resources that the city is blessed with. There are the mangroves, the marine life and the city’s green lungs like Sanjay Gandhi National Park. In recent times, we have seen our policy makers waking up more and more to the need for striking a balance between environment and development. Creation of a specialised unit called “Mangrove Cell” to protect mangroves, declaration of part of Thane Creek as a Wildlife Sanctuary called the “Thane Creek Flamingo Sanctuary” etc. are reflections of this increasing concerns for conserving Mumbai’s environment. In addition, there are strict legal regulations protecting forests and the marine environment and several clearances

are mandatory to proceed with any project that will have the slightest impact on the environment. Several mitigation measures are also put in place to minimise the adverse impact of development projects on the environment. It is not an easy goal to achieve, but contrary to what some of environmental activists may have us believe, government does strive to steer development onto an environmentally responsible pathway.

I have read a few articles relating to the demolition of many buildings, cleansing of the Thane creek, and Setting up of the Coastal and Marine Biodiversity Centre in Airoli. How did you manage to surmount the challenges/difficulties in fulfilling these accomplishments, which were once considered a pipe dream?

Each one of these initiatives posed its own set of special challenges. The illegal slums that had proliferated in places once occupied by mangroves, had to be dealt with in a firm manner, after following the due process of law. Before the actual demolitions happened, every affected person had to be given a hearing, followed by eviction notices. At every stage, powerful lobbies would try their best to interfere with the process, but we persisted with the act. Some important judicial pronouncements helped in strengthening our arms and the mission received the full backing of the government. The actual demolitions were carried out with the active cooperation and support of Police, Revenue and Municipal authorities. The whole crusade was led by a team of strongly motivated forest officials.

Ironically, the opposition to establishing the Thane Creek

IN ESTABLISHING THE “COASTAL AND MARINE BIODIVERSITY CENTRE”, WE HAD TO CHALLENGE OURSELVES TO REACH THE QUALITY STANDARDS EXPECTED OF A STATE-OF-THE-ART FACILITY FOR EDUCATION AND ENTERTAINMENT.

Flamingo Sanctuary came from the pro-development interest groups within the government. They feared that declaring a Wildlife Sanctuary within the boundaries of Mumbai will throw a spanner in the development of Mumbai in future. It took a lot of convincing and appealing to the good sense of some well-meaning officials and the political executive to finally make it a reality. In establishing the “Coastal and Marine Biodiversity Centre”, we had to challenge ourselves to reach the quality standards expected of a state-of-the-art facility for education and entertainment.

We would like to know your opinion on the current education system of Maharashtra, is it instilling in children the right values and moral obligations regarding Environment conservation?

Well, I am not an expert on the subject, but a general observation is that a lot more can be done to increase the sensitivity of our future citizens towards environmental issues. Textbooks can help the students understand the basic paradigms, but the real challenge is how to bring about the emotional connection with the environment. Although students are expected to do some projects, which would bring them close to nature, my understanding is that most such projects are unimaginative repetitions of a set of uninspiring concepts. Naturally, they fail to evoke

the intended enthusiasm and passion among students. Perhaps it is time to rethink the strategy and think of ways to ensure deeper engagement of students with the environment. A close engagement of the Education Department with the Forest Department may help in finding better ways to emotionally connect students with nature.

Mumbai is a treasure trove of marine life despite having one of the most polluted waters in the world. How can we try to mitigate pollution in the coastal waters of Mumbai?

Pollution in the coastal waters of Mumbai is indeed a matter of very serious concern. The main source of this kind of pollution appears to be the untreated domestic sewage. Industrial effluents and hazardous chemicals originating from many factories in the neighbouring urban conglomerations also finally make their way to the sea. We discard unimaginably large quantities of solid waste into the open. A major part of this is taken to landfills, but huge volumes still reach the sea everyday and threaten marine life. Plastic debris is ingested by fish, sea birds and marine mammals and the plastic fragments in the flesh of fish may eventually even enter the human diet.

Mitigation of pollution of this magnitude is extremely challenging. For a start, we must focus on treating all the domestic sewage originating from all sources. No residential area,

whether legal or illegal should be left out. We will have to install more efficient and less space-consuming Sewage Treatment Plans and expand the network of such plants by many folds. The Industrial Houses discharging chemicals and hazardous wastes should be strictly monitored with regard to their adherence to pollution related regulations and strict action should be taken against violators. The ban on single-use plastic is a welcome step, but we may also have to look for more eco-friendly and biodegradable alternatives to make this ban effective. It must be made mandatory for citizens to segregate waste at source, without which the Municipal authorities should refuse to collect it from their homes and offices. Floating debris should be prevented from reaching the sea through the

many channels and creeks, by actively collecting them every single day. But at the end of the day, what we really need is a lifestyle transformation from the use-and-throw culture to one that believes in 'Reduce, Reuse, Recycle'.

There are instances where officers in administrative services had to face a lot of hurdles while doing their service. Being an IFS officer, have you ever faced such hardships? What according to you will be the scope of civil servants in coming years?

Hurdles and hardships will always be there whenever you try to create something of value or when you try to challenge the existing social practice or norms or improve efficiency in the delivery mechanisms. Over the years, you learn to draw energy and resolve from obstacles and move

forward. If the intentions are right, more often than not, success will embrace you.

Civil servants will always have a key role to play in governance, especially in a vibrant democracy like ours. They ensure continuity of programmes and policies and are responsible for implementation of government's priorities. Civil Service offers a very satisfying career, if one is interested in the variety of assignments and the multifarious opportunities to serve the society.

What message would you like to give for the current & coming generations regarding environmental conservation?

The world is slowly warming up to the reality that the environment is not just the domain of a few professionals and concerned individuals, but everybody's business. There is no escaping the fact that the environment will be at the forefront of global agenda in the coming years. We need to learn to do our bit to improve the health of this planet, whether by consuming less, reducing waste, or by exerting sustained pressure on local, sub-national and national governments, and even the global community at large, to pursue environmentally inclusive policies and practices. We have to respect nature and learn to coexist with its myriad life forms. The sooner we do that, the better it is for our survival.



Environmental Psychology: Where The Mind Meets Nature

The environment in which we live influences people's lives in many ways but reciprocally this environment is also a product of human activities. Environmental psychology is primarily interested in the interaction between humans and environment and explicitly considers how the environment influences behaviour as well as how our behaviour influences our environment.

Environmental psychology studies human-environment interactions and associated problems at different scale levels, from domestic surroundings and the neighbourhood, to cities, nature reserves and countries, and even the planet as a whole. The problems and associated solutions that are studied vary across these levels. For example, at the local level, problems such as littering and solutions such as recycling may be a focus of research. At regional and national levels, problems such as species loss and solutions such as ecological restoration can be studied. At the global level, problems such as climate change and solutions such as the adoption of new technologies to combat climate change are of interest.

The seeds of environmental psychology were sown around the late

1940s and 50s, when systematic research in everyday physical settings and psychological processes slowly increased with some pioneering studies of, for example, human factors in work performance, the lighting of homes and child behaviours in natural settings. So, it was not until the late 1950s and early 1960s that human behaviour interactions slowly received more and more recognition as a full discipline. In order to differentiate such studies from more traditional forms of psychology, as they concentrated more on how different environments influenced people's perceptions and behaviours, they were labelled as 'architectural psychology.'

In this early period of the field of environmental psychology, much attention was given to the built physical environment (i.e. architecture, technology and engineering) and how it affected human behaviour and well-being. This focus on the built environment was largely guided by the socio-political context of that era. Modern architecture tried to address the post-war challenges of providing decent housing and facilities for the general public. Questions such as how homes,



offices or hospitals could best be built for their potential users and how environmental stressors like extreme temperatures, humidity, crowding would affect human performance and well-being were the focus of many environmental psychological studies. Environmental psychology was also officially used as a study to design buildings in order to promote behavioural functions such as sensory stimulation and access to attention in their potential users.

Environmental psychology has been found to be a major influence on the work of professionals related





CROWDING ALSO IMPACTS HUMAN BEINGS IN THE FORM OF ENVIRONMENTAL HEALTH PROBLEMS, SOCIAL CONFLICT AND PSYCHOLOGICAL STRESS.

to design, like architects, urban planners etc. It involves applying knowledge concerning humans on the creation and design of things for human use. Thus, it can be said that environmental psychology analyses the relation between human behaviour and socio-physical environments. It aims to portray the softer, more abstract and normative aspects of our environmental perception. Environmental psychology bridges the gap between man and his environment, which is signified by the fact that it can be applied on every facet of a person's daily life, right from his home to his commute to his workplace and everything in between.

In India, the continuous movement of people from the countryside to the city is creating a serious crisis which is affecting the inhabitants' quality of life. The psychic and behavioural consequences of continued living in slums is a matter of concern. Slums are characterized by overcrowding, deteriorating, unsanitary conditions signified by absence of facilities like proper toilets etc., which endanger the health and safety of the slums' inhabitants. The individuals who live in the slum environment are always suffering from various types of deprivation, which in turn affects their psyche.

Crowding has a lasting impact

on human beings, altering their psychological well-being to a great extent. The effects of crowding on human beings include alteration of behaviour, effects on mortality and increased prevalence of psychiatric disorders. Alongside these effects, crowding also impacts human beings in the form of environmental health problems, social conflict and psychological stress. Thus, the environment found in slums is an important area where environmental psychologists take a significant role for improvement of the environmental conditions by changing the existing conditions, so that people can live in a state of balance.

Shifting from one's home to one's workplace, we can fairly surmise that a favourable work environment affects the working individual in many ways. There are various aspects which we can consider in the context of work environment such as – noise, temperature, space, location, employer-employee relationship, employee-employee relationship and so on. Human beings have certain needs and whether these needs get satisfied or not has some impact on them. If the work environment is good, healthy and congenial, then the employee perceives the work environment favourable. Unfavourable work environment results in counterproductive work behaviour, absenteeism, poor turnover etc. These are the factors which environmental psychologists look into in order to make work environment favourable that is not just focused on productivity but also on employee's needs.

Many environmental psychologists work in interdisciplinary settings, and closely collaborate with

scholars from other disciplines. Each discipline provides a different view on the phenomenon under study, while in combination, each discipline provides a comprehensive picture on the problem at stake. Environmental psychology has always worked closely with the disciplines of architecture and geography to ensure a correct representation of the physical-spatial components of human-environment relationships. Theoretical and methodological development in environmental psychology has been influenced strongly by the psychological disciplines of social and cognitive psychology. When studying and encouraging pro-environmental behaviour, environmental psychologists have collaborated with environmental scientists to correctly assess the environmental impact of different behaviours. One may also see more collaboration with economists, political scientists, and sociologists in developing effective methods for promoting pro-environmental behaviours.

The development of telecommunication technology has profound influence and determines how the physical environment will be organised in the future. The design of intelligent buildings with many automatically performed functions poses new research tasks in the immediate future. Although these new features are meant to benefit us, people may still react negatively because of loss of perceived control. However, it is important to be aware of the fact that automatic control may not always work, so human beings cannot really be replaced and they must know how to take over.

-Snehal Jog, TYBA

தண்ணீர்ப்பட்டுற்றாக்குற (Water Scarcity)

மரங்கள் குறந்தது, மனிதன் நற்குணம் மறந்தது,

குடங்கள் ததருவில் நிறந்தது, குழாய்கள் காற்றால் அறடந்தது, மறழியும், பருவ மறழியும் தபாழிய மனமில்லாமல் ததாறலந்தது,

லாரிகள் எதிர்பார்த்தபடி நாளும் ஏமாற்றத்தில் கழியிது, ததறவக்கு மீறி பயன்படுத்தியதால் ததறவக்கும் இல்லாமல் தபானது, இயந்திரம் தகாண் டு துறளத்த தபாதும் நீறரத்தர அந்த நிலதமா மறுக்குது,

நிலத்தடி நீர்மட்டதமா ததாடமுடியாதாரம் நகர்ந்தது, அறத உயர்த்த நடவடிக்கைகள் ஒன்றும் எடுக்காமல் அரசாங்கம் நன்கு உறங்குது,

குடங்குடமாய் வீணாக்கிய நீறர பற்றிய நிறன்பு இப்பாது வருகுது, துளிறையயும் தசகரிக்க தவண் டுதமன்று தாமதமாகத்தான் புத்திக்கு புரியுது,

மனிதர்களும் நம் மானங்கட்ட தசயல்களும் மண்ணின் வளத்தறத தகடுத்ததால் காடுகளும், நம்மால் அழிந்த மரங்களும் மறழிய நமக்கு தராமல் நம் நிறலறய கண் டு சிரிக்குது.

ஆறுகளும் அறத சுரண் டி எடுத்த ஆசாமிகளும், ஏரிகளும் அதன் வளம் திருடிய பாவின்களும் கண்ணாடி கதவின் வழி நம் கதி கண் டு கடந்து தசல்கையில் அப்பாது ஊறமயாய் இருந்தனரும் மக்களும், இப்பாது குரல் எழுப்புகின் றனர்த்தருவில் நின்று

நாளுக்கு நாள் தவப்பம் உயர்ந்து வந்த தபாதிலும் ஆளுக்கு ஒரு கவறலயின்றி ஓடிக்காண் தட இருக்கையில் உணவு உறடயும் உருமாறியது தபால, றகத்தகட்டாத தூரம் நீரும் காற்றுக்கு காசும் தகட்கும் காலம் தவகுதாரத்திலில்லா என்று ததரியாமல்!

-BalaVignesh, SYBSc

Climate Change and Emergency: Assessing the Role of the UN



“Climate change is the canvas on which the history of 21st century will be painted”, Mark Lynas wrote in *Six Degrees: Our Future on a Hotter Planet*. One cannot deny the fact that Lynas is right in predicting the future of this century. Today, climate change stands as one of our primary concerns and addressing it, is a challenge to the international community. It is a global problem that demands a global solution. Human-induced global warming has led to global climatic change. It was Svante Arrhenius, a

Swedish Nobel Prize winner, who in 1898 first mentioned climate change. He put forth ‘The theory of Greenhouse Gas Effect’ by revealing the secret of Earth’s atmosphere and in doing so, he triggered research into what many see as the biggest threat to mankind today, ‘Climate Change’. For his work on the greenhouse gas effect, he is notably called the ‘Father of climate change science’. Unfortunately, no one took Svante’s theory seriously until 1987, almost after 90 years, when a variety of changes like droughts, excessive raining and forest fires occurred in different parts of the

world thereby, convincing people to believe in his theory.

In the 20th century industrialization was taking place rapidly. More and more countries were inclined towards industrializing and developing their economies but this development came at a cost. In the process of industrialization, the earth’s ozone layer was tarnished because of the harmful gases released by these industries into the atmosphere. Hence, the United Nations felt the need to have a common international treaty for all the countries across the world to solve the issue of earth’s ozone layer. So, in 1987 the UN came up with ‘The Montreal Protocol’ to protect the ozone layer. This protocol became the landmark multilateral agreement that started regulating the production and consumption of nearly 100 man-made chemicals referred to as ozone depleting substances. When these chemicals are released into the earth’s atmosphere, they damage the stratospheric ozone layer that protects humans and the environment from the harmful ultraviolet radiations of the sun. The ozone radiation that has occurred in the troposphere because of harmful gases have a warming

effect on the earth’s surface, thereby contributing to the greenhouse gas effect. Adopted on 15th September 1987, the Montreal Protocol is till date the only UN treaty that has been ratified by every member-state. The protocol has been characterised by former UN Secretary General Kofi Annan as “perhaps the most successful international agreement till date.” The protocol was successful in addressing the problem it was set up for, to fix a growing hole in the Earth’s ozone layer over Antarctica. Recent studies have shown that the hole has healed. The protocol stands as a rare example of how countries can work together on issues that are manageable only with international cooperation. Since then, the UN has been the most active international body that has constantly aimed at addressing and countering climatic changes.

In June 1992, the United Nations organized the ‘Rio de Janeiro Earth Summit’ by bringing the world together, to curb the emission of greenhouse gases and to adapt new climate accords by creating the “United Nations Framework Convention on Climate Change (UNFCCC).” On March 21st 1994, the UNFCCC entered into force with 196 countries being a part of it and in April 1995 the first conference took place at Berlin, Germany. This conference played a key role in laying the foundation for Kyoto Protocol.

In the third conference held in 1997, the ‘Kyoto Protocol’ was adopted thereby accomplishing a historical milestone in the fight against climate change. Kyoto Protocol says that ‘the change in Earth’s climate and its adverse effects are a common concern of humankind’. The protocol provides a common international



legal framework in order to stabilize the greenhouse gas concentrations in the atmosphere at a level that would prevent dangerous anthropogenic interference with the climate system. It is an international agreement linked to the UNFCCC which commits its members by setting international norms on emission reduction targets. The protocol was created to reduce greenhouse gas emissions below 5.2% by 2012 in the developed countries including the former communist bloc. The protocol’s Clean Development Mechanism (CDM) allows developed countries to offset some of their emissions through clean and renewable energy projects and certain forestry schemes in developing countries. The protocol came into force on 16th February, 2005 and the treaty was ratified by more than 140 countries. But the protocol failed as the global CO2 emissions showed no signs of slowing down. The protocol instead created a divide between developed and developing countries.

After four years, in 2009, another notable conference took

place in Copenhagen, Denmark. The ‘Copenhagen Climate Change Conference’ raised climate change policy to the highest political level. The ‘Copenhagen Accord’ contained several key elements on which there was strong convergence of the views of several nations. This included the long-term goal of limiting the maximum global average temperature increase to not more than 2 degrees celsius above pre-industrial levels. There was however, no agreement amongst the nations on how to do this in practical terms. It also included a reference to consider limiting the temperature increase to below 1.5 degrees, a key demand made by developing countries. The Copenhagen Climate Change Summit however, failed to achieve its desired goals as everyone talked but no one took it seriously. The summit also failed as there was a lack of political understanding between nations. Both, the developed and developing countries wanted different outcomes. The summit eventually lost its importance amid US-EU politics during the negotiation of the deal.





Another remarkable accomplishment by the UNFCCC came in 2016 with the 'Paris Agreement' that went further than any other agreement in the history of UN by bringing all nations under one umbrella to undertake ambitious efforts to combat climate change and to adapt its effects with enhanced support to assist developing countries in the global climate effort. The 'Paris Agreement' was drawn from the 'Copenhagen Accord'. The central aim of Paris Agreement is to strengthen the global response to the threat of climate change by keeping a global temperature rise this century well below 2-degree celsius above pre-industrial levels and to pursue efforts to limit the temperature increase even further to 1.5 degrees celsius.

Additionally, the agreement aims to strengthen the ability of countries to deal with the impact of climate change. Despite the very dynamic nature of this agreement, the global emission of CO2 is rising day by day. "History will remember this day" said the then UN Secretary General Ban Ki Moon but, sadly it shall be remembered only on paper.

Renowned scientist James Hansen calls Paris agreement 'a fraud'. He says that 'the nations have failed to keep up with their targets'. In June 2017, the US under Donald Trump pulled out of the agreement despite, being the largest emitter of greenhouse gas in the world. The most advanced and developed countries have failed to keep up with the agreement's goal as it would cost them billions to

THE MONTREAL PROTOCOL IS TILL DATE THE ONLY UN TREATY THAT HAS BEEN RATIFIED BY EVERY MEMBER STATE. THE PROTOCOL HAS BEEN CHARACTERISED BY FORMER UN SECRETARY GENERAL KOFI ANNAN AS "PERHAPS THE MOST SUCCESSFUL INTERNATIONAL AGREEMENT TILL DATE."

prevent excessive warming. In fact, the developed and developing countries started blaming each other for not abiding by the goals. Countries started to play politics and in the meantime climate change continued.

In 2016 the UN came up with 17 Sustainable Developmental Goals (SDGs), out of which one of the SDGs is on 'Climate Action'. The UN aims to achieve all these goals by 2030. The UNFCCC has been successful in setting goals for the past 25 years but it lacks the potential to strongly implement and deliver those goals. UNFCCC was adopted with an objective to "stabilise greenhouse gas concentrations in the atmosphere" but over the past 25 years, concentration of carbon dioxide has increased from 358 parts per million (ppm) in 1994 to 412 ppm in 2018; 400 ppm was last witnessed on Earth about 3 million years ago. Global temperature too has increased from 0.250 C above the pre-industrial era in the early 1990s to 1.10 C in 2018. We have failed to keep up with our targets and still there exist countries that don't address climate change. The educated masses are causing more damage to the earth, than the uneducated ones. Climate change has already begun; cities are going dry, air is polluted, marine life is dying, food security is emerging as a constant threat to the most vulnerable countries. It just cannot be categorized as a failure of the United Nations but a failure by the entire world in coming out with a collective global response towards climate change. The climate apocalypse has dawned on mankind and all we can do is to prevent it now, before it's too late or we may not be lucky enough to enter the next century.

-Khyati Trivedi, TYBA

लॉकडाउनचा पर्यावरणावर परिणाम

“ये शहरोंका सन्नाटा बता रहा है, इंसानो ने कुंदरत को नाराज बहुत किया है”

'कोरोना' या विषाणूने सगळ्याच देशांना हतबल केलं आहे. कोरोना विषाणू जगाला नवीन नाही आहे. या आधीही त्याचा प्रभाव पाहायला मिळाला आहे. पण आधीपेक्षा त्याचे रूप अधिक अद्ययावत आणि घातक आहे. याची सुरुवात चीनच्या वूहान ह्या शहरामधून झाली. पण याचा सगळ्यात जास्त फटका बसला तो म्हणजे युरोप मधल्या इटलीला. कारण इटली मधल्या मिलान शहरामधील फॅशन विश्व वूहानच्या चर्मोद्योगावर आधारित आहे. इटली मध्ये त्याचा प्रादुर्भाव कमी असताना तिथल्या नागरिकांनी याकडे गांभीर्यनि पाहिले नाही. त्यामुळे ह्याचा प्रसार जगभर होण्यास वाव मिळाला. इटलीची आरोग्ययंत्रणा अक्ल यंत्रणांपैकी एक आहे तरीही तेथील लोक ह्या विषाणूला आटोक्यात आणू शकले नाहीत.

या जगात चाललेल्या घडामोडीची भारताने गांभीर्यनि दाखल घेत या विषाणूला रोखण्यासाठी घेतलेले महत्वाचे पाऊल म्हणजे 'लॉकडाउन'. लॉकडाउन हा या विषाणूवर उत्तर नाहीये पण भारताने केलेला प्रतिबंधात्मक उपाय आहे. भारताच्या इतिहासात प्रथमच एखाद्या विषाणूमुळे संपूर्ण देश बंद करावा लागला आहे. भारत आपल्या जीडीपीच्या फक्त १% आरोग्ययंत्रणेला देतो. इतर देशांच्या तुलनेत हे अतिशय कमी आहे. भारताची आरोग्ययंत्रणा इतर देशांच्या तुलनेत सक्षम नाही आहे. त्यामुळे भारताने लॉकडाउन करून एक प्रकारे आर्थिक जोखीम घेतली आहे. देशातील नागरिकांनीही लॉकडाउन ला सहकार्य केले. पण याचा सगळ्यात मोठा फटका बसला तो मजूर, शेतकरी, गरीब, लघुउद्योजक, असंघटित क्षेत्र. या सगळ्याचा जगातील अनेक लहान मोठ्या अर्थव्यवस्थेवर नकारात्मक परिणाम होताना दिसत आहे. पण यातील सकारात्मक परिणाम थोड्या प्रमाणात का होईना निसर्गावर होताना दिसतोय. कोरोनाच्या भीतीमुळे माणसाने पर्यावरणावर चालवलेले अतिक्रमण थोड्याफार फरकाने का असेना कमी होत आहे. निसर्ग पुन्हा हळूहळू त्याची जागा घेऊ लागला आहे. प्राणी,पक्षी मनसोक्त बागडताना दिसत आहेत. समुद्रकिनारे संपूर्ण दशकात जितके स्वच्छ होऊ शकले नाहीत ते या काळात झाले. दिल्ली, जे सगळ्यात जास्त प्रदूषित शहर आहे तिथेही प्रदूषणात



कोरोनाच्या भीतीमुळे माणसाने पर्यावरणावर चालवलेले अतिक्रमण थोड्याफार फरकाने का असेना कमी होत आहे. निसर्ग पुन्हा हळूहळू त्याची जागा घेऊ लागला आहे.

घट होताना दिसत आहे. एकूणच वातावरणाची गुणवत्ता सुधारत आहे. सर्व उद्योगधंदे बंद झाले, कारखाने बंद झाले, आयात निर्यात बंद झाली, लोक घरात बसल्यामुळे रस्त्यावरील वाहने नाहीत, यामुळे वायू प्रदूषण कमी होत आहे. समुद्रामध्ये सोडले जाणारे विषारी व रासायनिक प्रदूषक युक्त पाणी आता बंद झाले. बोटींची वर्दळ थांबली आहे म्हणून ध्वनी प्रदूषण कमी होत आहे. मासे किनारी येऊ लागलेत. डॉल्फिन मासे दिसू लागलेत. याचा परिणाम पर्यटनावर होताना दिसला आहे. सेंटेलॉईट इमेजद्वारे नायट्रोजनमुळे होणाऱ्या प्रदूषणात घट होताना दिसली. कार्बन डायऑक्साइड मध्ये ५-१०% घट होताना दिसली. माणसाने निसर्गावर स्वतःच्या स्वार्थासाठी अनन्वित अत्याचार चालवले होते त्यातून निसर्गाला पुनर्जीवित होण्यासाठी थोडी का होईना उंसत मिळाली आहे. जगातील पर्यटन स्थळांवर जिथे देशविदेशातील लोक येत असतात तिथे आता निसर्ग आपले अस्तित्व जगत आहे. ज्या प्रदूषणावरिहत पर्यावरणाशी आपली गेले ४०-५० वर्षे

ओळख होऊ शकली नाही ती आज लॉकडाउनमुळे होताना दिसतेय. या प्रदूषणविरहित दुनियेत आता प्राणी, पक्षी, मासे स्वातंत्र्याचे जीवन जगत आहेत. कोरोनामुळे माणसांसाठी संकुचित वातावरण निर्मित होण्याची भीती असतानाच प्राण्यांना मनसोक्त बागडायला मिळत आहे. प्राण्यांचाही निसर्गावर हक्क आहे. तो मानवाने हिरावून घेतला होता. तो त्यांना पुन्हा मिळताना दिसत आहे.

माणसाने आतापर्यंत खूप प्रगती केली दुसऱ्या ग्रहांपर्यंत मजल गाठली पण जिथे राहतो तेथील निसर्गालाच दुख्य लेखले. किंबहुना त्याचाच हा गंभीर परिणाम आहे. आपण सगळेच अतिशय कठीण काळातून जात आहोत, इतकी माणसं गमावत आहोत. इतके आर्थिक, सामाजिक नुकसान सोसत आहोत पण या सगळ्या वाईटातून एक गोष्ट आपण सगळ्यांनीच करण्याची गरज आहे ती म्हणजे निसर्ग संवर्धन आणि मानवता जपण्याची.

-ऋतुजा रविंद्र धर्माधिकारी, एफ.वाय.बी.ए

The Truth About Biodegradable Plastic

Plastic is a substance that has been the cause of drastic changes on our Planet Earth. Let's find out its journey from boon to bane! As a novel invention, plastic has been used in almost all aspects of daily life such as transport, telecommunication, footwear, medical devices, and clothing, and as packaging material it is commonly used for a wide range of food, drinks and other goods. The widespread usage of plastics is due to its properties such as being inexpensive, lightweight, strong, durable and corrosion-resistant. The incorporation of plastic in electronic appliances is due to its high thermal and electrical insulation properties.

It was estimated that about 8300 million metric tons (Mt) of virgin plastics was produced till 2017. From the total plastics produced globally, around 9% was recycled, 12% was incinerated and about 79% accumulated in landfills or natural environments. A considerable amount of plastic waste is also present in water bodies. The percentage of plastic in municipal waste has increased as a result of the global shift from the usage of recyclable plastic to single-use plastic.

None of the commonly used plastics are biodegradable. With durability, comes lack of ability for



the plastic to decompose. Hence, one of plastic's greatest assets is a curse for the environment. Even when degraded, plastic never truly leaves the environment but is present as smaller pieces invisible to the naked eye (micro plastics). Micro plastic particles have an enhanced ability to absorb and concentrate persistent organic pollutants (POPs) such as dichlorodiphenyltrichloroethane (DDT), polychlorinated biphenyls (PCBs), BPA, etc., having the potential to transfer them to tissues of animals that ingest the micro plastic particles. Presence of micro plastics in mountain soils in Switzerland and Arctic ice core samples reveal their ability to be transported by

wind and ocean currents. Over 260 species, including invertebrates, turtles, fish, seabirds and mammals, have been reported to ingest or become entangled in plastic debris, resulting in impaired movement and feeding, reduced reproductive output, lacerations, ulcers and death.

The harmful effects of these micro plastics on the human body are experimentally studied on model organisms like rats and mice. Even very low doses of BPA have been shown to cause insulin resistance in mice, decrease in sperm production by rats, a decrease in maternal behaviour in mice and appearance of a brain typical of that seen in senility in both rats and monkeys. BPA

NONE OF THE COMMONLY USED PLASTICS ARE BIODEGRADABLE. WITH DURABILITY, COMES LACK OF ABILITY FOR THE PLASTIC TO DECOMPOSE. HENCE, ONE OF PLASTIC'S GREATEST ASSETS IS A CURSE FOR THE ENVIRONMENT.



appears to affect brain development leading to loss of sex differentiation in brain structures and behaviour.

As a countermeasure to the increasing plastic waste, biodegradable plastics are produced and used instead of the virgin single use plastics. Biopolymers differ from conventional polymers, as their feedstock is from renewable biomass rather than being oil-based. They may be natural polymers (e.g. cellulose), or synthetic polymers made from biomass monomers (e.g. PLA). Oxy-biodegradable or UV-

degradable materials are typically polyethylene together with additives to accelerate the degradation. They are designed to break down under UV exposure and/or dry heat and mechanical stress, leaving small particles of plastic. Biodegradable polymers can be broken down into smaller molecules, such as CO₂, CH₄ and H₂O by microorganisms under aerobic or anaerobic conditions. Although not always required, abiotic chemical reactions like photodegradation, oxidation and hydrolysis can also aid the degradation

process. The most commonly known synthetic biodegradable polymers are polylactide (PLA), polyglycolide (PGA), polycaprolactone (PCL) and polyhydroxyalkanoates (PHA). In India, Biodegradation of polymers can be achieved in two ways. One way is to synthesize polymers like PLA/PHB, which are biodegradable in nature. The other way is to modify the properties of non-biodegradable plastics by the incorporation of additives that help in breaking the molecular chain and permit direct metabolism by microbes when disposed in nature. In India, R&D efforts have focused more on the second approach of biodegradation.

Bioplastics are mostly made with a starch component that facilitates its degradation. Hence for the large quantity production of bioplastics even larger quantities of biomass is required, which leads to the issue of lesser availability of cultivable land. Also good quality of bioplastics that meet the standards have higher cost price and hence are less likely to be used locally. Another issue is the use of bioplastics made up of





polyethene derived from bioethanol which does not degrade in the natural environment. Hence most of the locally used bioplastics are actually those which are not degradable. Cases have been reported where virgin plastics are sold disguised as bioplastics. According to a study carried out by Central Pollution Control Board (CPCB) in 2009, the samples collected from various hotels/restaurants and hospitals exhibited biodegradation ranging from 8.46% to 29.97% respectively. However, in standards practised worldwide, the minimum percentage of biodegradation of a product made from a single polymer should be minimum 60% in 45 days span. Most of the plastic bags that are locally used don't show this minimum percentage of biodegradation. Also there is a need to make people aware of the advantages of bioplastics over the widely used single-use plastics.

A method was discovered recently enabling the synthesis of biodegradable polymers from the abundant compounds carbon dioxide and carbon monoxide using metal complexes as catalysts. This



OVER 260 SPECIES, INCLUDING INVERTEBRATES, TURTLES, FISH, SEABIRDS AND MAMMALS, HAVE BEEN REPORTED TO INGEST OR BECOME ENTANGLED IN PLASTIC DEBRIS, RESULTING IN IMPAIRED MOVEMENT AND FEEDING, REDUCED REPRODUCTIVE OUTPUT, LACERATIONS, ULCERS AND DEATH.

development represents a potential solution to at least one of the problems concerning bioplastics in that this new process utilizes a resource that is widely available and can bind unwanted greenhouse gases. This method is now being commercialized as a potential replacement for the epoxy resins that line metal cans and contain BPA. If this coating were to be fully adopted, aside from reducing human exposure to BPA, 180 million metric tons of carbon dioxide emissions annually would be reduced. Also another promising method is the utilization of food waste for the production of bioplastics.

A detailed research regarding the use of bioplastics in India is mandatory. Since this process will

take a considerable amount of time, promoting a “no plastic habit” locally will be beneficial to avoid further accumulation of plastic waste. This can be achieved by using alternatives like cloth or jute bags instead of plastic carry bags. Also the use of biodegradable plates made up of dry leaves instead of thermocol can give promising results.

The truth behind the effectiveness of biodegradable plastics to overcome the ever growing problem of plastic pollution is still a mystery that needs to be unearthed; only then can we collectively eradicate this global problem and pave our way for a sustainable and better future.

- *Ezhuthachan Vishnu Ashok Kumar, SYBSc*

Theyyam, Kavu and Ecological Destruction

The Groves that are no longer sacred

Theyyam and Kavu are words that are quite foreign to any layman outside Northern Kerala. Theyyam is a religious ritual that has its origins in the pre-Hindu religion and was later appropriated within the Hindu fold like many other such practices. It is performed exclusively in the northern districts of Kasargod, Kannur, and Kozhikode. The Theyyam performers are painted and dressed up in the form of the deity and later they are (believed to be) possessed by the deity's spirit. They enact the deity's story through dance and songs. Thereafter, they also act as oracles and predict the future of the village as well as of individual villagers. There are about 400 such Theyyams performed and worshipped in Kerala.

Now, how is any of this related to ecology? And what is that second strange word I have mentioned in the title? Well, the Theyyam performance does not happen in a temple or a yajna-kund or any such place associated with Hindu rites. It is primarily performed in sacred groves deep inside forests and is patronized by Tharavaadus. Ah! Yet another Malayalam word! A Tharavaadu is nothing but a huge house in which the whole joint-family (used to) reside(s). A family's lineage is often intertwined

with the house and many times, the name of the house is used by Keralites as one's surname. The Kavu is a sacred place and people are forbidden from breaking even a twig from any of the trees inside it. Thus, these are the bases on which the structure of Theyyam rests and they have always shared a dialectical relationship – if one of them changes, the other changes too. In simple terms, Kavus exist because of Theyyam and as Theyyam is being increasingly appropriated and undermined by various socio-economic forces, these very forces are affecting the groves

too. The article shall look at these forces first, on an individual level, then spell out the resultant ecological consequences which would, by then, be but obvious to the reader.

First among these forces is that of Brahminism or the Vedic/Puranic religion. The only indigenous Brahmin community in Kerala is that of the Namboothiri Brahmins. This community is described by anthropologist A. Aiyappan as 'the



latest of major immigrants into Kerala' (135). Thus, the Namboothiri community is a migrant community that dominated the socio-political scenario in Kerala. There has always been a synthesis between the 'native' Keralite and the Brahmanical religion. The concept of temples was developed by the Namboothiris and many of the 'native' deities like Chatthan, Karineeli, Shasta, Naga etc. have been systematically (and non-violently, for





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Serpent Grove, Sree Mannampurathu Kavu Bhagavathy Temple

the most part) appropriated into the Hindu (read: Vedic/Puranic) religion. Thus, Chatthan becomes Shiva's son, Karineeli becomes an avatar of Durga, and Shasta becomes the son of Shiva and Vishnu, and so on. These 'native' deities, now brahminised, were then brought inside brick and mortar temples and are now, for the most part, served by Brahmin priests. This is antithetical to how these deities were previously worshipped – in the groves. The same process is being applied to Theyyams and some Theyyams like Muthappan have now been firmly placed within the Hindu pantheon as an avatar of Shiva, although the Muthappan temples typically serve dried fish and toddy/arrack as prasada. It is to be noted here that the Theyyam performers and patrons are always from the 'backward' castes and the language used in the Theyyam literature is almost wholly devoid of Sanskrit.

The next force which undermines the practice of Theyyam is that

THE KAVU IS A SACRED PLACE AND PEOPLE ARE FORBIDDEN FROM BREAKING EVEN A TWIG FROM ANY OF THE TREES INSIDE IT. THUS, THESE ARE THE BASES ON WHICH THE STRUCTURE OF THEYYAM RESTS AND THEY HAVE ALWAYS SHARED A DIALECTICAL RELATIONSHIP – IF ONE OF THEM CHANGES, THE OTHER CHANGES TOO.

of capitalism. The links between capitalism and ecology, you must already be well aware of, but capitalism also tends to commodify cultural practices and snatch away their essence. As Marx would have put it, 'All that is sacred is profaned.' Research scholar and author Prof. M. Dasan states it this way: "Theyyam is packaged, customised and fetishized into a cafeteria format so as to cater to the demands of the customer. Miniature versions of theyyam are produced on demand. The structural effect of this process is that theyyam loses its ritualistic anchorage and is

made into an exotic spectacle which could be performed by anyone at any time and anywhere."

Interestingly, capitalism and rationalism work in tandem in this commodification of Theyyam. Everyone, from Kerala Renaissance leader, Sri Narayana Guru, to the later communists, condemned the practice of Theyyam as something superstitious. The communists, later, changed their stance towards Theyyam and tagged it as a work of art. They also started to superimpose narratives of class-struggle on the stories of many Theyyams which



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Serpent Grove, Sree Mannampurathu Kavu Bhagavathy Temple

originally talked about caste-conflict. These social movements make up the third force which has eroded the tradition over time.

The fourth reason is the disintegration of the joint-family and the Tharavadu system itself. Each Tharavaadu has a Theyyam as their paradevatha (family-deities). Due to various economic compulsions, people started to migrate away from the monolith of the Tharavadu and gradually nuclear families developed. As the Tharavadu disintegrated, the Theyyam related to them also started to be neglected. Now, unless some tragedy befalls a family and astrologers claim it to be caused by an upset deity, the family-deities continue to lose their importance.

In summary, two major causes of the destruction of the Theyyam ritual and, consequently, the destruction of sacred groves, are a) The delinking of Theyyam from the Kavu (sacred grove), and, b) The lessening importance of the

Theyyam ritual itself. The former is caused by three major forces - the influx of the Vedic/Puranic religion which brings the Theyyams inside temples; by capitalism which commodifies Theyyam and makes it liable to be performed anywhere for entertainment; and by rationalism/left-politics which reduces the Theyyam to a mere art-form which is, again, liable to be performed anywhere, outside the groves. The loss of importance of the Theyyam ritual is caused due to all the aforementioned reasons along with the disintegration of the joint-family Tharavadu system.

What happens after this is quite simple. Once the grove loses its sacred nature, both developmental activities and population growth (Kerala is a densely populated state) result in forest degeneration, fragmentation, encroachment, and exploitation of natural resources. The question of the Adivasis and various other caste-issues are also interlinked with this but the limited scope of this article stops

me from delving into all those details. The ecological impact is considerable and is happening as you read this. According to a report by the State Assembly Committee on Forest and Environment published in 2015, the number of sacred groves have reduced from more than 10,000 in 1956 to only 1,200 now. Of course, ecological degradation in Kerala has many other causes but this unique intermingling of ecology and subaltern religious practices is seldom discussed. We must ask and investigate in the likes of what The Kadayankathi theyyam asks as reported in an article in *The Hindu*: "The loss of the sacred groves has not escaped the notice of the Theyyam, observed. During a recent performance, the Kadayankathi bellowed at the village elders: "Where have my groves gone?""

-Rajdeep Vijayaraj, TYBA



पर्यावरण हा शब्द ऐकला की नेहमीच काही ठराविक घटक आपल्या डोळ्यांसमोर येतात. जसे की पाऊस, झाडे फुले, पशुपक्षी, प्राणी, डोंगर, नद्या, हिरवळ, झरे आणि असं बरंच काही. पण या सगळ्यांमध्ये आपल्या नजरेत एक घटक पटकन येत नाही. तो घटक म्हणजे आपली “ माती “. माझ्या मते ह्या सगळ्या घटकांचे मूळ म्हणजे माती आहे. निसर्गाच्या कुठल्याही घटकाचा विचार केला, की त्याचा संबंध मातीशी हा येतोच. खरंतर पर्यावरणाचे सगळे घटक एकमेकांशी जोडून आहेत आणि या सगळ्याचा पाया म्हणजे माती. पर्यावरणाचा एक अविभाज्य घटक.

अगदीच एक उदाहरण घ्यायचं झालं म्हटल आलं तर ते म्हणजे मातीत रुजणारे बी. सर्वप्रथम ती माती त्या बियाला आपल्या कुशीत घेते. नंतर ती त्या बिया वर हळूहळू संस्कार करत जाते. हळूहळू त्या बी च झाड तयार होतं. त्या झाडाला घडवताना पाऊस, खाद्य, ऊन, वारा, असे अनेक नातेवाईक मदत करत असतात. पण फक्त मातीच असते जी त्या झाडाच्या मुळांना आईसारखे स्वतःच्या कुशीत सांभाळून ठेवते, आणि ती मूळ संपूर्ण झाड पेलू शकतील इतकी त्यांना सक्षम करते. तीच झाड वाढत गेली की त्यांना आपण डोंगर म्हणतो. डोंगरांच्या पायथ्याशी सुद्धा माती ही शूर शिपायांसारखी असतेच. त्याच डोंगरात

आपल्याला पशुपक्षी, प्राणी, नद्या, झरे, हिरवळ अशा बऱ्याच गोष्टी आढळतात. झाडांभोवती भिरभिरणारे पक्षी पाखरे आढळतात. म्हणजेच आपण म्हणू शकतो की संपूर्ण पर्यावरणाच मूळ ही खरंतर माती असते. पावसात सगळ्यांनाच भिजायला आवडतं परंतु पावसाच्या पदार्थाला जेव्हा मातीच्या सुगंधाची सुंदर फोडणी दिली जाते तेव्हा त्या भिजण्याला एक वेगळा अर्थ आणि एक विलक्षण मजा येते. ह्या सुंदर निसर्गाला अनुभवताना आणि पर्यावरणाचा आस्वाद घेताना माती ही एखाद्या खऱ्या मित्रासारखी प्रत्येक टप्प्यावर आढळते.

खरंतर ना माती हा फक्त पर्यावरणाचा घटक नसून आपल्या संस्कृतीचा देखील आहे. दिवाळीत सगळी लहान मुले एकत्र येऊन मातीचा किल्ला तयार करतात. ह्या या किल्ल्या मधून आपल्याला आपल्या पूर्वजांनी तयार केलेली प्रतिमा दिसून येते. त्यांचे महान कार्य दिसून येते. तसेच सर्व मुले जेव्हा एकत्र येतात तेव्हा कितीही रुसवा-फुगवा असला तरी मातीत एकत्र खेळल्यावर साताजन्माच प्रेम असल्यासारखे एकत्र येतात. नागपंचमी बैलपोळा अशा अनेक सणांमध्ये मातीचा नाग किंवा मातीचा बैल तयार करतात. त्या नागाला आणि बैलाला पूजतात. इथेसुद्धा माती ही सर्व जीवांवर प्रेम करायला शिकवते. मातीमध्ये जेव्हा खेळ खेळले जातात तेव्हा आपल्या जीवनातील ह्या क्षणांना एक वेगळा अर्थ

निर्माण होतो. मातीत खेळलेले खेळ हे जेव्हा मोठेपणी आठवले जातात तेव्हा हा मनातल्या आठवणीच्या पेटितून खरा खजिना हाती लागतो. आपल्याला दिसणाऱ्या हिरवागार गवताला मातीने सुरक्षित धरून ठेवलेलं असतं. म्हणूनच माती हा पर्यावरणाचा एक अविभाज्य घटक आहे.

परंतु आता हा घटक हळूहळू हरवत चाललेला आहे. प्रत्येक जमिनीवर आपल्याला सिमेंट कॉंक्रीट ची एक तरी इमारत किंवा प्रतिमा ही दिसतेच. आजकाल मुलांना मातीचा अनुभव हा फारच क्वचित येतो. मुळात आज-काल आपल्याला माती पेक्षा सिमेंट कॉंक्रीटच्या जंगलात राहणं हेच जास्त योग्य व सोयीस्कर वाटत. झाडं, नद्या, डोंगर ह्यापेक्षा आपल्याला मॉल, स्विमिंग पूल या गोष्टी जास्त जवळच्या वाटतात. मातीत खेळण्यापेक्षा आपापल्या घरी बसून संगणकावर खेळणं या गोष्टी आज प्रकर्षाने जाणवतात. दिवाळीत मातीचे किल्ले करून त्याला सजवण्या पेक्षा, जास्त प्रमाणात फटाके फोडून पर्यावरणाचे नुकसान करण्यात आपल्याला जास्त मजा येते. नागपंचमी, बैलपोळा या सणांमध्ये मातीचे तर सोडा पण या मुक्या जनावरांना त्रासच जास्त दिला जातो. आणि या सगळ्यात मूळ कारण आहे माणसाची बदलत चाललेली मानसिकता. आज-काल माणसाची मानसिकता ही हळूहळू खालावत चालली आहे. योग्य-अयोग्य, साक्षर-निरक्षर या गोष्टींमधला काही जणांना फरक कळत नाहीये तर काही जणांना कळूनही तो वळवून घ्यायचा नाहीये. पैशांची वाढत चाललेली हाव काही लोकांना पर्यावरणाला आपल्यापासून दूर नेते आणि फक्त आपल्या सोयीचा विचार करणारे आपण अशा लोकांना पर्यावरण दूर न्यायला देतो. आपण फक्त आपल्या सोयीसाठी “चालतं रे” असं म्हणतो आणि सोडून देतो. मुळात आपण आपल्या माती इतके सक्षमच नाही की आपण दुसऱ्याचा विचार करू, पुढच्या पिढीचा विचार करू आणि पर्यावरण वाचवण्यासाठी पुढाकार घेऊ. पण आता जागृत होण्याची गरज आहे. आजकाल आपल्याला माती ही फारच कमी दिसते आणि जर दिसली तरी अनुभवायला मिळत नाही. पण आत्ताच जर आपण जागे झालो नाही तर आपली माती अशीच आपल्यापासून दूर दूर होत जाईल आणि क्षितिजा सारखी दिसायला लागेल असं क्षितिज जे खरंतर कधीच आपल्या हाती येणार नाही.

-श्रेया गुर्जर, एफ. वाय.बी.ए

Knotted

Beside a slow flowing perplexed stream of fluids, stood a cracking, wrinkling old cottage housing an unreasonable melancholy in it.

Inside the cottage, a frog, who was the only resident of the cottage, engaged his enlarged eyes in the search for something. The more places he searched and didn't find it, the more frustrated he became.

Outside the cottage, it was starting to get a bit cold again; only rarely was there an absence of it. Around this time everything would start to freeze; the way the narrow stream moved already made it seem frozen. The water flowed so slow that it was possible for one to bath twice in the same stream. It wasn't consistent however, the way the stream flowed usually changed. It also changed colours between a dark mocking red and a decaying black. When red, the water had a thick texture, during black it was a bit watery. Pach loved the latter, it carried an abundance of junk for him to feed on. Talking about abundance, there wasn't a spot in that place where one couldn't find a moth. These moths,

they were there, and they increased. Unlike Pach they had something to move towards, a purpose maybe. It was to flit straight into Pach's dark vaguely round mouth.

The Blue Shirt - Pach found it finally. It was the shirt he wore when he made his biggest, longest hop from a rock to another- It was a Leap!

Every creature, the jumping ones, the crawling ones, the running ones, the swimming ones and the flying ones, all eyes beheld the glorious sight in spite of the painful rays of the sun.

That day, he truly became the master of that place. He saw how everyone looked at him, he could feel the indestructibility of his existence in the awe with which everyone looked at him. Everyone talked of it, it became the most repeated story there.

IT-WAS-A-GIGANTIC-LEAP.

The close-at-hand cold wasn't what set Pach on the search for this Blue piece of clothing. It was never a hard job for him to survive winters however freezing cold they were. He just slept. Most times when the cold increased his organs froze inside him, his body began collecting frost, for months he'd be that way, but it wasn't a

thing of worry to this frog or any other frog he knew. Everything turned to a normal-abnormal once the cold died out, only a tiny amount of warmth was enough to revive him back to life.

Some memory, some desire, some urge, some angst got set alight all at the same time, in a manner that made him want to wear the blue shirt.

He managed to button the blue shirt over his gluttonous belly, shut his eyes and stood still immersed in the harmony of the squeaky floorboard under him coupled with the squeamish glugging sound discharged by the sloshily flowing stream of fluids beside his cottage. He could for hours stand like this, trying to fish out some memory, any memory. Some junk, any junk. He only remembered the nature of certain memories, the memories themselves engaged him in an endless game of hide and seek. Until a few days ago he was always the one hiding, only recently the roles turned. The only things that remained carved in his head were the stories he'd heard. He looked into these stories and searched in his head to find a memory with an ark, a flood or a wise old man like in the stories, but found no such thing



to explain this crumbling and this decaying. Weariness engulfed him.

Pach felt like he was wearing someone else's shirt, but he remembered very well how nothing in the world fit him as perfectly as this shirt. He remembered the leap, the invincible image of him standing on the other rock, the blue shirt complimenting his unlively green skin. The green was common and he never cared much about it, it was the blue that he could talk about endlessly. It was almost as if he could, as stories give an account of a past, and talk of the this and that of several regions' manners, all in the context of the blue. So many stories about it. However, the thought that the shirt didn't fit him kept him from the immersion into the magnanimity of the colour.

Pach didn't know why he had been feeling these ways. Lately he also felt a pitiable invisibility, the kind that one feels when they know no eyes are on them. Maybe he wasn't eating well, maybe he wasn't keeping his skin moist enough, Maybe it Had No

“ HE COULD FOR HOURS STAND LIKE THIS, TRYING TO FISH OUT SOME MEMORY, ANY MEMORY. SOME JUNK, ANY JUNK. HE ONLY REMEMBERED THE NATURE OF CERTAIN MEMORIES, THE MEMORIES THEMSELVES ENGAGED HIM IN AN ENDLESS GAME OF HIDE AND SEEK.

Cause, maybe it's just some feeling, maybe the shirt fit him just right.

Just Some Feeling.

A mirror- he thought he should rather look at himself, and began searching for a mirror and very quickly found one, a cracked one. To hang it on the wall he took a nail from a box of nails, all the nails were covered in layers of rust. He once got some instructions to prevent it, but couldn't remember them.

Now emerged a reason for Pach to be surprised. He couldn't hammer the rusty nail into the wall with his tongue. The surprise changed to a painful disappointment that was annoyingly felt as he tried again and again. He further tried it several ways, but only

got the taste of pathetic failures. This was something he once could do with utmost ease. Probably the abundance of the overly friendly moths who flew straight into his mouth is what had caused this weakening in his tongue.

Pach the frog was in the most knotted and perplexing place, as for some reason, he was not able to see in a cracked mirror a cracked reflection of himself in his beloved and seemingly unfit blue shirt because he could not drill a rusted nail into the wall with his weakening tongue. He didn't know what to do, and let out a gigantic sigh not knowing, not remembering, not knowing what to remember.

-Sridhar Sengottayan, SYBA

Our planet's alarm is going off,
and it's time to wake up and take action.

- Leonardo DiCaprio

Greta For Greater Effect



Of course the sea levels are rising but the youth is rising faster; Greta rightly remarks “Change is coming whether they like it or not!” These powerful words of Greta shook the world and created a greater realisation about climate change. Greta Thunberg is a 17 years old climate activist from Sweden. She speaks on behalf of Climate Justice and is recognized as Climate Worrier. Greta started spending her school days outside the Swedish parliament from August 2008, at the age of 15, as a single climate activist and started SCHOOL STRIKE FOR CLIMATE, on the very first day. She was alone and so people saw it as strange but second day onwards youngsters slowly started joining her and gradually it became a massive strike

for Climate Justice all over the world; a Justice which has been delayed and neglected for so many years and has not been taken seriously. She identifies herself as a messenger who is trying to create awareness among people and especially among youngsters through political movements about climate change and using the power of democracy to show her resistance and put pressure on people in power who are not taking any strict action against climate change.

Climate change is mainly characterized by the extreme increase in the earth's temperature which has estimatedly increased from 1.2o F to 1.4oF in just the last century. But why is this temperature rising so much?

Well, the main cause is Greenhouse effect; the natural greenhouse effect contains gases in the

atmosphere mainly carbon dioxide, methane, water vapor, fluorinated gases etc. that trap heat close to the surface of earth which is essential to keep our earth warm and sustainable. With rapid industrialization, we have come a long way to build airplanes, faster cars, developed remarkable technologies and learned how the natural resources around us can be used to our benefit. Eventually, we have increased our consumption and released a lot of greenhouse gases by our human activity. Fossil fuels create the majority of human-induced Greenhouse gas emissions. As a result, the amount of carbon dioxide has risen to 82% (EPA.gov) and consequently it warmed our planet at an alarming rate which we have never experienced before. This climate change had led to Arctic Ice Shrinkage due to melting of glaciers and diminished ice sheets of Greenland leading to overflow in coastal regions along with coastal storms and floods. The rise in global sea levels has created threat for farmers, loss of homes of indigenous people and their livelihood, extreme weather like the wildfires in California, devastating floods such as in Vietnam, Australian Bushfire, threat to Tuvalu and Maldives from consistent storm surges, extreme weather and floods in India like the rise in temperature in states like Delhi, Rajasthan, Mumbai etc. and the recent flood in Kerala and



overflowing in other South coastal regions. Soil and coastal erosion, deforestation of our rich forests, loss of biodiversity and wildlife and the acidification of our oceans are all disastrous trends being accelerated by the way of life that we live.

This climate change has affected human beings and other creatures on the earth in a massive way. The biggest victim of climate change is our ocean.... Oceans provide 50% of the earth's oxygen; the climate change has increased the global temperature of the ocean by more than 30 F since 1969. Warmer oceans may be inviting for us but it has devastating consequences for supporting life in the sea. One of those is 'Ocean Acidification'. Ice sheets and glaciers are melting. The extra water that were once held in glaciers cause sea level to rise and spill out of the ocean, eventually flooding coastal regions.

More warm temperature also makes weather more extreme, this

means not only more intense and major storms, floods and heavy rainfall but also longer and more frequent droughts. Growing crops becomes more difficult. Climate change can directly influence people's physical health. Warmer atmosphere increases the amount of smog. Exposure to higher temperature of smog can cause health problems such as asthma, heart diseases and lung cancer.

These are some grave outcomes of Climate Change and these consequences can become even more extreme in the long run. Therefore, Greta says, "We are in the midst of sixth mass extinction with up to 200 species extinct every day, if we continue at the rate we are now, by the year 2030, we will set off an irreversible chain reaction which will trigger events beyond human control, and then there is no going back."

Greta is representing a class of people, that is, the Generation Z,

along with the millenials, who are going to face the repercussions of Climate Change soon in the near future. Greta touches the moral consciousness of those (adults) in control of politics and policy. It is a clash between two generations, one is younger, who are very serious about the issue because they are going to suffer in the upcoming years thus challenging the Generation X, who are people in power and policy makers, to take preventive action against climate change and save their future. Gen X though do not seem to be much alarmed as they don't consider the current scenario grave and do not recognize the long term effects of their actions. Greta openly targets those who are the major contributors to climate change like the USA and asks them to reduce their emissions. She questions the system and authority which led to the conflict of Climate Justice. This conflict is a moral struggle for justice. The contemporary generation considers her too small to fight and question world leaders about climate change but Greta replies, "Nobody is too small to make a change." Climate change violates children's right to life, health and peace and therefore they are taking action into their own hands because they have the right to a more sustainable future.

Her small act of resistance through School Strike For Climate and Fridays For Future has taken huge and historic shape and has been able to bring our attention towards the significance of Climate Change and ultimately the protests and strikes occurring all over the world. Over seven million young people embraced Fridays for Future, striking for climate justice. Greta demands that politicians should

follow the Paris Agreement very sincerely and an international Climate Emergency should be declared so that faster, urgent action can be taken. The international movement planned their first global strike for March 15, 2019. On April 23, 2019 Greta spoke to the UK Parliament during an 11 day protest by the Extinction Rebellion. A week later, the UK was the first country in the world to declare a Climate Emergency. She has also been nominated for a Nobel Peace Prize.

While the rapid rate of climate

change is caused by humans, humans are the ones who can check this. If we work to replace fossil fuels with renewable energy resources like solar and wind which don't produce greenhouse gas emissions, we might still be able to prevent some of the worst effects of Climate Change. Apart from this, we have to protect our forests and restore our plants that have been damaged. Nature is the instrument we can use to repair our broken climate. Greta, for instance, has made the decision never to fly, to

eat less meat or dairy and not to buy unnecessary new things: a "shop stop" to make an individual difference. Greta says, "We do not need hope, what we need is 'ACTION'. Once we start to act, hope is everywhere." Climate is for the Greater Good of multiple generations and it is the duty of everyone to preserve it for future and not to destroy it. We as rational beings on this planet should become a part of this Change.

-Ansari Shahida, SYBA

पर्यावरण आणि विकास

अन्न, वस्त्र, निवाऱ्याइतकीच 'पर्यावरण' ही महत्त्वाची बाब बनली आहे. शुध्द हवा, शुध्द पाणी, शुध्द अन्नाची आज नितांत गरज आहे. जेव्हा त्या गोष्टी मुबलक होत्या, तेव्हा त्याचे महत्त्व कोणालाच जाणवले नाही, सर्वप्रथम मी पर्यावरणाचा घटक आहे याचे भान प्रत्येकाने ठेवणे गरजेचे आहे. ज्याप्रकारे कुटुंबातील प्रत्येक व्यक्ती कुटुंबाचा एक घटक असल्याचे भान ठेवून वागतो त्यामुळेच त्या कुटुंबात सुख, समृद्धी व स्थिरता दिसून येते. कुटुंबातील एक जरी व्यक्ती बेजबाबदरपणे वागला तर संपूर्ण कुटुंबाला त्याचे फळ भोगावे लागते. पर्यावरणाचे सुध्दा थोडेफार असेच आहे.

'गरज सरो, वैद्य मरो' या म्हणीनुसार काम साधले की, माणूस दुसऱ्याचा मुळीच विचार करत नाही. जसजसा मानवाच्या मेंदूचा विकास होत गेला, तसतसे अनेक शोध लागून मग औद्योगिकीकरण वाढत गेले. कारखानदारी वाढली, यंत्रे वाढली आणि पर्यावरणाचा विनाश होत गेला. विकास झाला पण त्याबरोबर विकासाची काळी बाजू पण आली ज्याकडे विकासाच्या नावाखाली दुर्लक्ष करण्यात आले.

जम्मू काश्मीर येथील पूर, तामिळनाडू येथील

पूर, केरळ राज्यातील पूर, दक्षिण आफ्रिकेतील केप टाऊन येथील झीरो डे, पश्चिम महाराष्ट्रात खालावत जाणारी पाणी पातळी, मराठवाडा येथील पाणी टंचाई म्हणून लोकांचे होणारे स्थलांतर, लातूर शहरात ट्रेनने केलेला पाणीपुरवठा, धरणातील पाणी सोडण्यासाठी राजकारणी लोकांनी रक्त सांडण्याची केलेली भाषा, धरणातील पाण्यावरून होणारी भांडणे, नाशिक येथून पाणी चोरीला गेल्याची घटना या घटना मारुतीच्या शेटाप्रीमाणे वाढत जात असून अजूनही पर्यावरणाकडे दुर्लक्षच केले जात आहे..

प्रत्येक गोष्टीचा अतिरेक हा विनाशाकडे नेणारा असतो. मानवाने केलेल्या प्रगतीबाबत हेच घडत आहे. पिकाचे उत्पादन वाढण्यासाठी करण्यात आलेली फवारणी, अनेक रासायनिक खते, कीटनाशके यांचा प्रमाणाबाहेर केलेला वापर आणि त्यामुळे बिघडलेली पालेभाज्यांची गुणवत्ता आणि त्या मुळे होणारे निरनिराळे विकार. अश्या ह्या दुष्ट चक्रात आज आपण सापडलो आहोत. 'कोल्हापूर बनतेय कॅन्सरपूर!' सारखी बातमी जेव्हा वाचनात येते तेव्हा आपले डोळे उघडतात की आपण जमिनीत विष पेरून विषच खात आहोत.

मात्र आज दिवसेंदिवस होत जाणाऱ्या या

त्रासाची जाणीव ही मानवाला नक्कीच होऊ लागली आहे. नुकतेच पुणे शहरात वनराई जागविण्यासाठी ज्येष्ठ आणि तरुणाई राबतेय. उन्हामुळे झाडे वाळून जाऊ नयेत म्हणून अनेक वृक्ष प्रेमी आणि स्वयंसेवी संस्था आपापल्या भागात झाडांना पाणी देण्याचे काम करत आहेत. वन विभाग प्रत्येक ठिकाणी काम करू शकत नाही. त्याच्याकडे मनुष्य बळही खूप नसते. म्हणून नागरिकांनी देखील त्यांना सहकार्य करून झाडांची तहान भागवली पाहिजे. वृक्षारोपणाचे काम हाती घेण्यात यावे. पण फक्त वृक्ष रोपण करून उपयोग नाही तर येतील किती रोपांचे संवर्धन करण्यात आले याचा पाठपुरावा होणे गरजेचे आहे.

पाण्याचा अतिवापर टाळायला हवा. प्लास्टिक बंदीचे सक्तीने पालन केले पाहिजे. शेती मध्ये सेंद्रिय खते व औषधांचा वापर अपिहार्य आहे. आपल्या मनोरंजनामुळे इतरांच्या मनाला त्रास होणार नाही हा विचार प्रत्येकाने करायला हवा. विचार परिवर्तन होणे गरजेचे आहे. प्रदूषण रोखण्यात आणि कमी करण्यात योगदान देण्याचे कर्तव्य पूर्ण केल्यानंतरच आपण पुढच्या पिढ्यांना प्रदूषण मुक्त पर्यावरण देऊ शकतो.

-सायली अरुण जाधव, एस.वाय.बी.ए



GRETA OPENLY TARGETS THOSE WHO ARE THE MAJOR CONTRIBUTORS TO CLIMATE CHANGE LIKE THE USA AND ASKS THEM TO REDUCE THEIR EMISSIONS.



Can Education happen only Indoors?

If education is good, then the need for it will manifest itself like hunger.

- Tolstoy

When schools and colleges were ordered to shut down due to covid-19 pandemic, students were happy for the break, amidst the alarming situation in the country. When the institutions and government bodies decided to bring changes to their teaching method by introducing online lectures, pupils lost their contentment. The question then is 'What is it that makes students as well as teachers, get bored and disinterested in education?' The literacy level of the country has increased but the objective of the same is lost.

'Enter and Leave freely' this line was placed on all doors of the schools run by Tolstoy. Education is not meant for disciplining, controlling and bombarding knowledge. The subject matter taught to the pupils should be interesting and relatable, only then there will be demand for it. The interest of students for education should not be a result of coercion and dominance. In the presence of genuine need for knowledge there will be no indiscipline and disorder inside a classroom since they love the process of knowledge gaining.



This genuine discipline will be the result of overall development of the pupil due to education. Major reasons for restlessness amongst students are lack of outdoor activities and considerable amount of screen time. Access to unlimited information due to technology has made the young generations prone to mental health problems, anxiety, loneliness, depression etc.

Technology should be accessed by a student only when he/she is mature enough to do so. The scuffle between environment and technology will be a regular episode in coming years. Apart from awareness about the environment, what is necessary is building the relation between humans

and the environment. Education is the best platform for that. The benefits of education through virtual experiences can never replace the benefits of the play-way method of school education.

The relation between nature and humans is elaborately written in Indian philosophy. This might be the reason why Indian education system before British invasions focused on developing the intellectual and emotional ability of a child. However the current education system of India has inclined towards western education systems. Usages of technology for communicating with students and for better visualization are the ways through which Indian education's intellectual development

is being 'Westernized'. This 'Westernized' way of technologizing Indian education system is in a way making the Indian education system capitalist.

Technologizing education is raising an alarming situation of Nature-deficit syndrome in gen-z. The term 'Nature-deficit Syndrome' was introduced by Richard Louv in his bestselling book 'Last Child in the Woods: Saving our Children from Nature-Deficit Disorder' in 2005. Nature-deficit syndrome is physical, psychological and cognitive costs of human alienation from nature. This results in behavioral changes in children. A plummet in the use of the senses, attention deficit, increasing rates of physical and emotional illnesses, child obesity, Vitamin-D deficiency and other maladies are some of the effects of Nature-deficit syndrome. Usage of electronic gadgets by the educational institutions for primary and pre-primary sections has made students prone to such syndromes. This is the major drawback of western education system.

Studies in the UK have found that the excessive usage of screens was contributing to the Nature-deficit syndrome. Full-fledged research is being done on how to combat this syndrome. Few researches suggest simple measures such as farming, growing greens, spending more time outdoors, trekking, etc. Preventing children from undertaking such activities make them slow learners and lead to lack of concentration. While suggesting measures to overcome this syndrome, Richard Louv is of the opinion that compelling children to spend time with nature should not be any kind of punishment for using



A THEME BASED EDUCATION IS FOLLOWED BY THIS INSTITUTION WHERE THEY SELECT DIFFERENT THEMES FOR EACH SEMESTER.

unnecessary screen time. Trees, rivers, plants, animals and other elements of nature have a major role in the life of child due to the importance of nature in Indian cultural festivals. Hence, in India, the situation is not alarming. But if westernization of education increases then such education will haunt Indian intellect.

Westernized Indian education neglects the early concrete operational stage. Until the age of 5, parents should take care to enhance the concentration ability of their child. At this stage a student should be left free to observe their surroundings and to improve their sense perception. Instead of teaching letters and rhymes in an alien language, parents and teachers must take care to develop the cognitive ability of students through senses. Silent observation of nature not only develops the ability to concentrate but also increases the thinking capacity of the child.

A student learning mathematics, grammar and other co-curricular activities while being in close contact with the environment is not a dream but a reality today. I was fortunate to visit 'Gram Mangal' which follows one such method in education.

'Gram Mangal', situated in a tribal area in Palghar district of Maharashtra, is a school based on alternative educational methods. It does not have benches, chairs or a projector inside a classroom. A theme based education is followed by this institution where they select different themes for each semester. When I

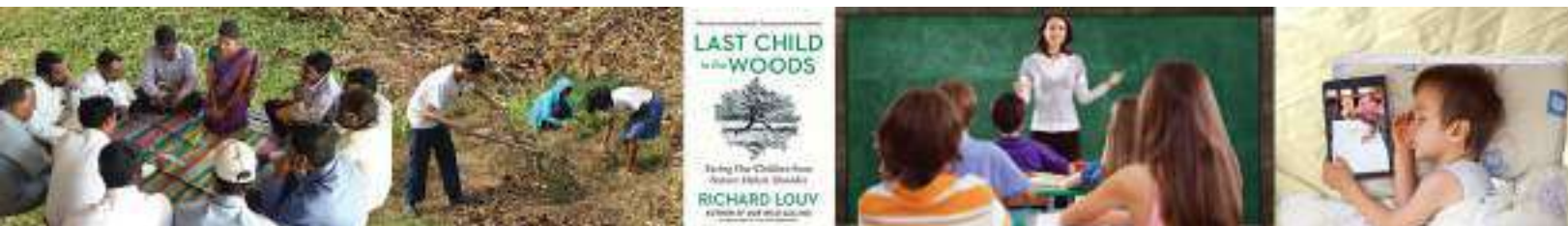
visited 'Gram Mangal' their theme was 'Agriculture'. Groups for project studies are not made on the basis of class. Vertical grouping is practised where a group consists of students from grade 1 to 8 working on a single project with everyone learning from each other. One such group project they were working on was to cultivate vegetables on a given area of land.

Through such projects, students learn English, Marathi, geometry, algebra and grammar too. This 'play-way' method of learning will never fail to create enthusiasm for knowledge in students but will ensure thirst for education. Such methods will bring intellectual and emotional developments in children.

Education plays an indispensable role in creating intelligent humans. Empirical observation acts as a catalyst in the thinking process which leads one to ask questions and allows one to come up with great ideas. A child who silently observes the manoeuvre of an ant might be more intelligent than a child who can sing twenty rhymes. A play way method of education through the environment tries to create intellectual minds. Communication is the soul of the play-way method of education. Dialogues between pupils and teachers can aim to achieve the emotional development of the child.

Let the child explore the greatest mystery... Nature. Ultimately nature is the greatest teacher.

-Shraddha Anishkumar, SYBA



Is Ecofeminism Merely a Fad?

Ecofeminism was coined by the French writer Françoise d'Eaubonne in 1974 to represent women's potential for bringing about an ecological revolution and to ensure human survival on the planet. According to Carolyn Merchant, "Such an ecological revolution would entail new gender relations between women and men and between humans and nature". Ecofeminist practice is a worldwide phenomenon. Through experiences and expanding awareness, many significant ecofeminist cases are cropping up in various parts of the world. They come out of an indigenous, situated lifestyle to confront the political and economic incursions of multinational capitalism, which is not only intrusive but also exploitative and culturally destructive.

Ecofeminism, is first and foremost a practical movement for social change arising from the struggles of women to sustain themselves, their families, and their communities in the face of misuse of development and environmental degradation. As Irene Diamond and Gloria Orenstein note in their 'Introduction' to *Reweaving the World: The Emergence of Ecofeminism*, "Ecofeminism seeks to reweave new stories that acknowledge and value the biological and cultural



diversity that sustains all life. These new stories honor, rather than fear, women's biological particularity while simultaneously affirming women as subjects and makers of history." This understanding that biological particularity need not be antithetical to historical agency is crucial to the transformation of feminism.

Ecofeminism explores the twin oppressions experienced by women and nature in an attempt to understand their shared destiny (Dobson 1995). It is deemed that the destinies of women and nature are linked and that it affects humankind. The attempt to reconcile and improve upon the relationship between humankind and

nature is central to ecological feminist thought. For more than thirty years, ecofeminism has been taking into account the interconnected nature of social categories such as gender, race, class, sexuality, caste, species, religion, nationality, disability, and issues such as colonialism. Therefore, Ecofeminism indulges in the relationship of humans, especially with women and nature and the social categories of humankind.

India has also seen the emergence of this concept. Synonymous with the phrase 'Indian ecofeminism' or 'Indian environmentalism' is the academic, writer, and activist: Vandana Shiva, who can be described as the most

influential and articulate advocate of 'third world' ecofeminism (Shoba 2013). Shiva, in her foundational work, *Staying Alive: Women, Ecology and Survival in India* (1988) states that women's environmentalism in India precedes ecofeminism as found in the West. The roots of women's involvement with the environmental movement in India can be traced back as far as three hundred years, to the beginning of the Chipko movement, when 300 women in Rajasthan sacrificed their lives to protect sacred khejri trees. Shiva claims that Indian ecofeminism has the potential to "lay the foundations for the recovery of the feminine principle in nature and society" which is important because, the 'feminine principle' (which is also known in Hindu as Shakti or Prakriti) is the "living force that supports life." To protect and preserve local resources, women in Asian and African countries have long developed an intimacy with the natural surroundings. According to Shiva, women are placed closely to nature in every aspect, be it socially, culturally and biologically which brings up the notion of spiritual ecofeminism.

Problematically though, Shiva fails to address the patriarchal structures within Hinduism or to interrogate the principles of Prakriti (the feminine principle) and Purusha (the masculine principle) themselves, as contributing to and being part of a complex structure of social, political, and religious relations, under the influence of an oppressive caste system. This is due to the generalizations made from her research in the rural areas and assuming the same from the global perspective. Shiva's 'essentialist views' have been strongly

rejected by Bina Agarwal (1998) and Meera Nanda (1991, 2005) as a form of 'cultural ecofeminism' which romanticizes the role of women and their relationship with the environment. Such romantic outlooks about the relationship between women and nature, of the kind discussed by Archana Prasad in *Against Ecological Romanticism* (2011), reinforce gender stereotypes and prevent the development of a mutually beneficial dialogue. Shiva's oversimplified version of Hinduism illustrates her uncritical views concerning the domination of women and the environment in India and the Global South. In assuming that the notion of the 'feminine principle' is relevant to all women, and not just a

small pocket of practicing Hindus in Northern India, Shiva only alienates those who would benefit most from her work. Shiva argues that the Western patriarchal and capitalist worldview is responsible for the degradation of the "Third World" and Indian environment.

"Maldevelopment" is a term coined by Shiva to describe the processes of 'development' taking place without consideration of an ethic of ecological protection and conservation. Maldevelopment is a very real environmental issue. Shiva's emphasis on outside factors as being responsible for the subjugation of women and nature in India prevents us from seeing other forms of oppression in the Global South, particularly

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institutionalised and structural discrimination, such as caste, class, power, privilege, and property relations which predate colonialism. One such issue is the environmental burden on the local natural environments in rural India, Nepal, and Pakistan caused by the insufficient infrastructure for handling menstrual management. Problems range from the pollution of local water systems caused by disposal of sanitary waste to air pollution resulting from the burning of waste in an inappropriate and environmentally unsound manner.

An intersectional analytical framework would help researchers to understand the various roles religion, caste, and class play in the outcomes of this issue. Any analysis which focuses solely on one factor, such as gender, as a significant mode of oppression (and cause of environmental injustices relating to menstrual hygiene and management) severely limits our understanding of the other multiple intersecting factors which influence menstrual hygiene and its impacts on the environment. Projects which attempt to resolve the issue of menstrual hygiene must be sensitive to local conditions, especially in relation to the environmental consequences of simply copying Western models of menstrual management. In India alone, there are still 128,000 schools which have no functional toilet and a further 61,000 have no running water (Gohain 2013). This global water and sanitation 'crisis' has the most impact upon women, who have been systematically excluded from the decision-making processes concerning both water and sanitation despite being the ones who have most to lose. These current inadequacies have vast implications on the ability

of girls and women to take part in their daily activities when they are menstruating, with many girls being forced to stay at home from school during the course of their menses rather than risk bringing shame and embarrassment to their family. Other problems do however materialize for girls who are 'allowed' to continue attending school during their menstruation, such as lack of access to toilets, running water, and sanitary protection, which in the long term could cause serious problems for their attendance and academic performance. Lack of such adequate facilities, particularly in rural Indian regions, means that women are not sufficiently able to attend to their biological needs and as such are often left at a severe disadvantage to their male counterparts.

As we have seen above, India has been aiding this phenomenal concept of Ecofeminism since thirty decades. Although its standpoint is way better than the predicaments faced by its neighbouring countries such as that of Pakistan, Nepal and Bangladesh, Ecofeminism in India has still a long way to go, despite the wholehearted efforts of female activists that remain largely unappreciated so far.

-Lavanya Anilkumar Nair, TYBA

मी थेंब एक पाण्याचा

मी थेंब एक पाण्याचा,
मी स्वर जीवनगाण्याचा
घ्या वसा मला जपण्याचा,
मी थेंब एक पाण्याचा.....

मी पाऊस होऊन झरतो,
मी नदीतून वाहतो...
मी जलाशयी थांबतो,
मी तहानही भागवतो...
मी दवबिंदू, मी गंगा-सिंधू
मी आनंदाचा अन दुखाचा अश्रुबिंदू...
मी ऋतू आणतो रसरसण्याचा...
मी थेंब एक पाण्याचा...

मी असता मोल न माझे,
मी नसता रोप न ताजे....
माझ्याविण कोरड ओठी,
माझ्याविण गरीब राजे....
मी हरवाई, मी तरुणाई
माझ्यामुळेच फुलती फुले अन वनराई....
मी नाद ईश्वराच्या हसण्याचा...
मी थेंब एक पाण्याचा....

विनवून तुम्हा सांगतो,
सांभाळा, जपा मला....
मी अमृत या जगताचे,
जपून ठेवा मला....
आडवा, जिरवा,
थांबवा ... घालवू नका वाया....
माझ्याविण जीवन नाही,
केवळ वणवण पाया....
आधार मीच तुमच्या जगण्याचा....
मी थेंब एक पाण्याचा....

-प्रियांका खोडदे, एफ. वाय.बी.ए



Coronavirus : The Threat to Human Civilization

Despite having several epidemics and pandemics in the past, including the 1918 Spanish Flu, 2003 SARS, 2009 H1N1 influenza, which took millions of lives, we still have not learn how an outbreak can be prevented from turning into an epidemic to finally burning into a pandemic which was the reason that paved way for the novel coronavirus pandemic (COVID-19). The Corona virus originated in Wuhan, China in December 2019 and within months it spread like a wildfire throughout the world. The SARS outbreak was also caused by a type of corona virus which caused respiratory symptoms much like the novel coronavirus (COVID-19). Though the mortality rate of SARS was much higher, its diagnosis and containment was far easier because of its severe symptoms as compared to the novel COVID-19 which expressed much milder symptoms and therefore went unnoticed. The issue with COVID-19 was not the virulence but the infectivity and contagion, the milder the symptoms, more was the negligence and chances of escaping the diagnosis. The estimated incubation period of the virus was 14 days which was a major drawback because by the



time the virus started manifesting its symptoms, the affected individual was already a carrier and spread the disease to hundreds of people who, in turn, spread it to hundred more and the cycle was never ending and that's how this endemic turned into a pandemic. Flu and other viruses normally infect the younger population as the elderly have herd immunity against them. However, this was not the case with the novel coronavirus which was found to be more fatal for people above the age of 50 years. Though age was not the only factor that determined the fatality of this virus, it was the immune-compromised state of the individual that fell prey to its attack.

The first case of the novel

coronavirus was reported in November 2019, in Wuhan. In a month the number of cases rose to 60, thereafter the number of infected people kept on increasing and reached 81,394 within four months with a mortality rate of 4%. The first case in India was reported in January 2020 and by the end of March the numbers reached 913. By 28th March 2020, globally 634,000 people were confirmed to be infected with the virus with a mortality rate of 4.6% of which 112,480 cases were from the USA. The number of infected individuals in the USA outnumbered China on 26th March, 2020. This coronavirus pandemic seemed to test the strength of our medical and paramedical services, health care facilities, advancement in technologies, political stability, economy, global unity and harmony. The outbreak indeed originated in China; however Europe became its epicenter with the death numbers exceeding that of other continents. The general lack of awareness, no strict decisions taken by the government and the carelessness of Italian individuals led to such a devastating event. Political strength, to a much greater extent, can control a pandemic situation from getting worse by influencing the citizens



of the country to adopt healthy practices, maintain good hygiene, avoid travelling, etc. Considering the humongous population of India, which is a primary threat for any outbreak, the Indian government tried containing the situation by announcing curfews and lockdowns, which helped maintain the number of infected individuals within 500 by the 4th week from onset. Apart from 28,251 people losing their lives, this pandemic has had a much more negative impact on the world.

The pandemic leading to lockdowns had a devastating effect on the economy. The travel industry had the greatest fall out because of the restriction in traveling by the government all around the world and cancellation of business and holiday trips by tourists. The stock market had also shown a major dropdown, wreaking a long-term economic havoc. It had only been three months since the outbreak and the generation of medical waste including corpses, single use masks, gloves, swabs and tissues were more than 200 tons per day. This caused the accumulation of bio-medical waste which posed serious health hazards and served as a source of other infections. The overcrowded hospitals, lack of beds, insufficient number of volunteers and doctors to assess the patients, while the high risk factor for the doctors and nurses to contract the infection, point towards the need and emergence of telemedicine. This pandemic sheds light on the importance of telemedicine for the future.

By the time we were finding a cure for the virus, the Earth had found ways of healing itself from the damage caused by human beings. In the wake of the pandemic, global crisis such



as industries shutting down and less vehicular traffic had contributed in lesser greenhouse gases emission, improved air quality; cutting down air, noise and water pollution to a extent where we started witnessing dolphins and swans playing in their harbors and boars running around the streets while the birds chirped on the trees. It didn't take years or months for this change to occur; it was the result of just two weeks of lockdown which taught us that slight changes in our lifestyle can greatly help us save our mother Earth. This pandemic had caused us to forget about our differences and come in harmony to fight against our common enemy- the coronavirus, instead of fighting against each other for global recognition and power.

It is wisely stated that 'Prevention is better than cure' especially when there is no cure, as was the case with COVID-19. This pandemic could have been prevented had China alerted other countries as soon as they sensed the emergence of Coronavirus cases back in November or had the US declared the National emergency sooner and not waited till the number of infected reached 120,000 while Italy should have ordered stricter lockdowns. If only the worldwide

traveling and travelers were strictly prohibited and screening kits were made available in short time to every hospital, this pandemic could have been prevented. Despite the USA being one of the most powerful countries and Italy having one the best medical services, they suffered the most in this pandemic because of their negligence and ignorance in preventing the spread. But now we can only learn from those mistakes. It should be made essential for the hospitals to have adequate number of beds, volunteers; nurses separately reserved for such situations so that we are prepared and can accommodate a large number of infected individuals. The first step in preventing a pandemic from occurring is prevention itself, along with self awareness and an individual's responsibility to maintain good hygiene and cooperation with the government. This pandemic was a real eye-opener that taught us to prepare for the future, because the harm caused by the novel coronavirus (COVID-19) isn't the first devastating event that the world had witnessed nor will it be the last.

-Dhruvi Jain, MSc

Environmental Artists



The rocky coasts of Mount Desert Island, USA by Frederic Church

New York-based artist Frederic Church first visited Mount Desert Island, off the coast of Maine in 1850, having been told that the sea views there were 'among the finest in the country'. The artist had never painted seascapes before, but he was so captivated by the dramatic coasts that he painted it. This early painting is among his most authentic representations of Maine.



The English countryside by John Constable

When John Constable first visited the north London suburb of Hampstead in 1819, the village was still a part of the countryside outside the metropolis. There, he made numerous paintings overlooking the city and of the 'noble clouds and effects of light and dark and colour', as he would later write. Constable rented a house in the village every summer over the following seven years, before moving there permanently in 1827.

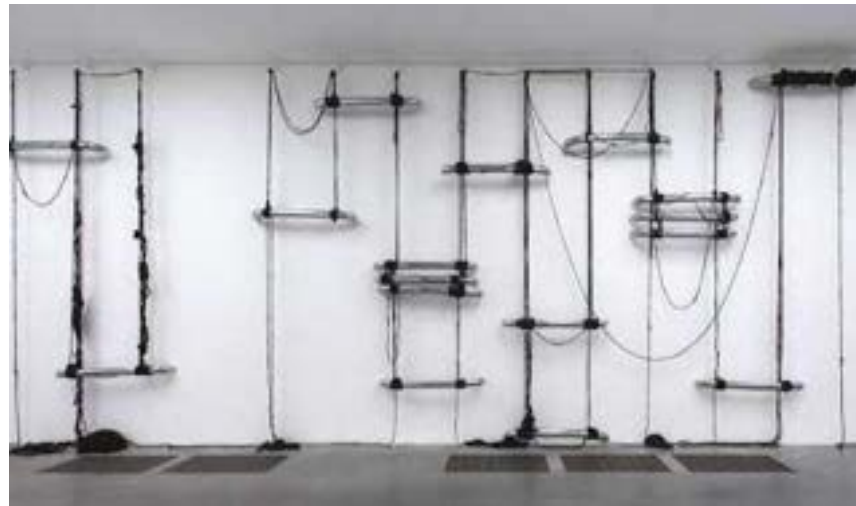
Painting by Yusuke Asai

A multi-level project by Japanese painter Yusuke Asai considers the structure of ecosystems and the relationship between humans, animals, and nature. In his mythical installation "The earth is falling from the sky," a central figure with outstretched arms smiles down from the ceiling. Intertwined scenes of flora and fauna encircle the entirety of the dome-shaped room, with deer, rodents, and snakes scattered throughout the untamed installation.



Artwork by Sheela Gowda

Behold one of Gowda's largest installations to date. Here she uses four thousand metres of rope hand-woven from human hair. Hanging entangled within this black, knotted mass are twenty steel car bumpers. The Arsenale, where the piece was installed in Venice, was used by the Venetian navy as a rope factory centuries ago. This industrial heritage is mirrored by the tradition of motorists in Bangalore tying woven hair to car bumpers as a talisman for their safety. The hair comes from temples where pilgrims shed their locks in ritual sacrifice and the material is then sold off for wigs or for industrial use.



Russia's pine forests by Ivan Shishkin

Siverskaya, located 70km south of St Petersburg, was a popular summer retreat for Russian city-dwellers in the 19th century. It was in Siverskaya and its neighbouring woods that Ivan Shishkin — one of Russia's most famous landscape painters, dubbed 'the patriarch of forests' — created some of his best-known works.

The rolling hills of Geelong, Australia by Eugène von Guérard

Born in Vienna, Eugène von Guérard had already established his reputation as a leading landscape painter in Europe when he moved to Australia in 1852, drawn to the 'New World' and the prospect of finding gold. This view of Geelong in Victoria, then a thriving gold-rush town, was painted four years after the artist arrived in the country. Von Guérard's meticulous renderings of Australia's landscapes are now considered scientific evidence of a lost world — conservationists used his painting *Tower Hill*, now in The Warrnambool Art Gallery, to restore the area's native plants which had been lost through grazing and mining.



The Masked Antibiotics On Your Plate

How can you say no to chicken biryani on a Sunday lunch, not possible right? If you are a gym freak then chicken is the main source of protein in your diet. There is nothing wrong in consuming chicken but it all depends on the source, as in, how the chicken is bred and finally, how it reaches your table. To get a clear idea let's understand this: like humans, chickens do get sick from bacterial infections and by providing antibiotics it helps us make food safe by keeping the chickens healthy and reducing bacteria from entering the food supply. Use of antibiotics improves health resulting in chickens laying more eggs and experiencing lower mortality rates and less illness. Since it's beneficial for farmers, chicken is now reaching its market weight at a much faster rate and at a lower cost. With the ever increasing market demand, antibiotics appear to be an ideal and cost-effective way to increase the output of poultry.

But the excessive use of antibiotics in animal feed is one of the prime reasons for antibiotic resistance. The Law states that- an animal given an antibiotic cannot be processed until the "withdrawal period" ends to ensure the antibiotic has left the animal's body. On the downside such regulations are not stringent and prove to be a risk for consumers.



“ NOW THE SAME CHICKEN IS BEING INTRODUCED IN THE MARKET AS 'ANTIBIOTIC FREE MEAT' BUT AT A HIGHER COST. WELL THE REALITY IS STILL QUESTIONABLE- WHETHER IT IS A MARKETING GIMMICK OR TRULY A HEALTHY VERSION OF MEAT. ”

Antibiotic resistance is a matter of serious concern. It is a fact that India is the world's biggest consumer of antibiotics. Naturally, their misuse and overuse is rampant and thus overtime bacteria develops resistance to the medicine. When we consume chicken meat with antibiotic residues

still present in its tissues, it destroys our normal gut flora and thus the balance of the immune system is disrupted, making us susceptible to diseases. An antibiotic-resistant bacteria will survive and multiply within the body despite being exposed to antibiotics. This is a major



hurdle in treating a particular disease. When this resistance develops, the introduction of a new antibiotic is needed to fight the infection. This process significantly increases the time for recovery posing a threat to humans.

So if that is the concept regarding antibiotic resistance, what next? In today's day and age there is a lot of information freely available and consumers have now become smarter as everyone aims to have a healthy, disease-free lifestyle. Now the same chicken is being introduced in the market as 'Antibiotic free meat' but at a higher cost. Well the reality is still questionable-whether it is a marketing gimmick or truly a healthy version of meat. Antibiotic-free meat simply means that much more care has been taken to breed the chicken so that it remains disease free and if antibiotics are given, it is ensured that it is being slaughtered only after the withdrawal period of antibiotics. This meat is being sold for almost double the price. The question that arises here is why is such meat not available to the masses.

Talking about environmental impact, waste from large-scale poultry farms are major sources leading to direct contamination of the environment with both antibiotic residues and resistant bacteria. The emergence and spread of novel and resistant pathogenic bacteria is a potential threat to our entire health system and has deadly consequences. The day is not too far when these organisms, which are invisible to the naked eye, become a threat to the entire human race only because of our negligence.

-Aishwarya Naidu, TYBSc

प्रवास फॉरेस्ट मॅन चा ...



भारत आणि निसर्गाचे नाते अतूट राहिले आहे, प्राचिन काळापासून आपण वायू, जल अगनी यांना देवा समान मानले आहे परंतू बदलत्या काळा मुळे हे सगळे मागे राहिले आहे. आता हातावर मोजता येतील इतकी कमी लोक आपल्या निसर्गाची देखरेख करतात.

त्यापेकी एक म्हणजे जादव पेयांग ज्यांना आपण "फॉरेस्ट मॅन ऑफ इंडिया" या नावाने ओळखतो, जादव हे मूळचे आसाम मध्ये कोकिलामूख गावाचे रहिवासी. एकदा त्या गावा मध्ये महापूर आला आणि त्या महापूरामुळे भरपूर झाडे नष्ट झालीत, आणि उन्हाळात झाडे नसल्यामुळे सापांना त्रास भोगावा लागला आणि ते मुत्युमूर्खी पावले, हे सगळे पाहून त्यांना असे वाटले की गावात झाडे लावण्याची अत्यंत गरज आहे.

झाडे लावण्या साठी त्यांनी गावकरांची मदत घेण्याचे ठरवले परंतू गाव करारांच्या आणि त्यांचाही लक्षात आले की हे सरकारी मदती शिवाय होणे शक्य नाही, परंतू सरकारची मदत मागितली परंतू सरकारकडून त्यांना काही प्रतिसाद मिळाला नाही.

तरीही जादव खचले नाही, त्यांनी जंगल बांधण्याचे काम एक हाती घेण्याचे ठरवले, त्यांनी २० बांबूचे झाडे लावण्या पासून सुरूवात केली, त्यांनी खूप झाडे लावली.

"मोलाय जंगल" हे ५५० हेक्टरस म्हणजे १५ फोटबाल स्टेडियम मावेल येवढे मोठे जंगल आहे, हे

जंगल तर "NEW YORK SQUARE" पेक्षाही मोठे आहे असे म्हणतात.

आता त्या जंगलात खूप वन्य जिवन दिसून येते बेंगाल टियगर, १०० हिरण, वानर आणि भरपूर पक्षी दिसून येतात. पेयांग म्हतात की त्यांना सुरुवातीला झाडे लावून ती जगवणे थोडेसे कठीण गेले, कारण झाड्यांच्या बिया मिळत नवते, पण नंतर बिया मिळणे सोपे झाले, त्याचे कारण असे आहे की जे झाडे त्यांनी आधी लावली होती त्या वृक्षाने बिया पण दिले.

ते असे म्हणतात की या सृष्टी वर अनेक झाड्याची प्रजाती व प्रांच्या प्रजाती जगतात, पण सर्वात घातक कोणती प्रजाती असेल तर ती आहे मानवाची. मानवाला हाव आहे. आपण खूप स्वार्थी आहोत, आपण स्वतःचा स्वार्थ पूर्ण करतोच.

आपल्याला घर बांधाला जमीन लागते, मग जमीन नाही म्हणून माणूस जंगल तोडतो आणि स्वतःचे असे घर बनवतो.ते असे म्हणतात की त्यांना झाडे लावण्यासाठी त्यांना प्राण्याचा त्रास सहन नाही करावा लागला पण त्यांना माणसांकडून त्रास सहन करावा लागला कारण लोकांनी स्वतःचा स्वार्थ साधण्यासाठी झाडे कापायची होती.

खरे झाडे लावणे आणि ती झाडे जगवणे त्यांच्या सांभाळ करणे काही सोपे काम नाही, पण पेयांग ने ते करून दाखवले ही काम गिरी त्यानि एक हाती केले, त्यांना २०१५ मध्ये "पद्मश्री" ने गौरवण्यात आले. व अब्दुल कलामजिने त्यांना "फॉरेस्ट मॅन ऑफ इंडिया" या नावाने गौरवले.

पेयांग सारख्या एक आजी आहे, सालुउमर्दा

ठीमावकात्यांनी ८० वर्षात जवळ जवळ ८,००० झाडांची लागवण केली आहे.थिमावका या१०६ वर्षांच्या आहेत, त्यांनी आपल्या पती सोबत वृक्षांची लागवण सुरू केली आणि मग कधी मागे बागितलाच नाही. हातात फक्त ७५ रू असतात सुधा त्याने झाडे लावणे कधीच सोडले नाही. ठीमक्का यांना २०१९ राष्ट्रपती रामनाथ कोविंद यांचा हस्ते "पद्मश्री" ने गौरवण्यात आले आहेत.

तर तिसरे उधरण आहे पिपलंत्री गावाचे, आपण स्त्रीभ्रूणत्या बदल नेहमीच ऐकत असतो, पण पिपलंत्री चे गावकरी एका मुलीचा जन्म झाला तर १११ झाडे लावते. यांनी स्त्रीचा सन्मान केला जातो आणि निसर्गाचे रक्षण पण होते.

तर साग्याचा भोध असा की, सगळ्यांनी एकत्र येऊन जे निसर्गाचे नुकसान झाले आहे, त्याची भरपाई करण्याचा प्रयत्न केला पाहिजे.

आपले जीवन हे निसर्ग चक्रवर अवलंबून असते, निसर्ग जपणे हे आपल्याच हातात आहे. आता सगळ्यांनाच जादव पेयांग सारखे जंगल उभारणे शक्य नाही. पण आपण छोटे पावले नक्कीच उचलू शकतो, आपण वाढदिवसाला एक झाड नक्कीच लावू शकतो, त्या एका झाडाला आपण सांभाळू शकतोच, जेवढे आपण निसर्गाला सांभाळू तेवढेच आपल्याला निरोगी जीवन प्राप्त होईल.

माणसाची प्रगती म्हणजे निसर्गाची दुर्गती आहे असे वाटणे साहजिक आहे, पण मग निसर्गाची

काळजी घ्याची असेल तर माणसांनी आपली प्रगती थांबवली पाहिजे का? तर याचे उत्तर अर्थात नाही असे आहे, आपल्या कडे अनेक मार्ग आहेत ज्यांनी आपण निसर्गाची काळजी घेऊ शकतो, जसे पब्लिक ट्रांस्पोर्ट चा वापर करणे पब्लिक ट्रान्पोर्ट वापरल्या मुळे आपण वातावरणातले कार्बन डायऑक्साइड कमी करू शकतो. प्लास्टिक चा कमीत कमी वापर करणे हे सगळे आपल्या हातात आहे.

शेवटी आपल्याला जर का चांगले निरोगी जीवन जगायचे असेल तर परिावाराची काळजी घेणं आपल्याच हातात आहे.

- **अपूर्व शिंदे, एस.वाय.बी.ए**

Is Green The New Black?



COURTESY: DR. ADITYA AKERKAR

Human beings are the most paradoxical of all animals; they are both creators and destroyers. On the one hand, they come up with beautiful ways to save the environment, while on the other, they are destroying the living planet

slowly but steadily. Humans continue to poison the environment with toxic chemicals and their greed has brought animal species to the verge of extinction. The plants and animals we see around today are our heritage and we have a simple duty to look after them. Instead, we have speeded

up the process of extinction, killing many animals indiscriminately while endangering other species as we thoughtlessly destroy their natural habitat under the name of the development. 50% of the wildlife has already become extinct according to the recent reports. Humans are ruthlessly cutting down forests, polluting rivers, seas and oceans thereby affecting marine life. The demand for the mobile towers by mobile companies have been killing birds, the radiations affecting all. It's high time for humans to understand that there is a delicate relationship between plants and animals which has been broken by them. Humans should stop tampering with the existing ecosystem. More programmes are needed for breeding threatened animals in captivity.

Recently, in early January, fire broke out in Australia. Nearly 200 fires were burning across the entire country of Australia with smoke spreading across thousands of miles affecting as far as even New Zealand, where ash turned glaciers yellow. More than 15 million acres of land was scorched and Australia is still

recovering from the trauma. The 8000 koalas who died formed one-third of the total koala population in Australia.

Another case is that of the Taal volcano eruption in the Philippines, blasting steam, ash and rock up to 15 km in the air which wreaked havoc in the country. The other massive fires which broke out were the 2019 Amazon fire and the 2018 California fire. The Amazon fires broke out in the early August 2019 in Brazil. What caused these horrible fires? Forest fires do happen during the dry season between July and October. They can be caused by naturally occurring events, like lightning strikes, but this year most are thought to have been started by farmers and loggers clearing land for crops or grazing. These are signs that the situation is worse than it appears. This is because the burning of the rainforest isn't the biggest problem - deforestation is.

It's a vicious circle as fire after fire, as well as other farming activities, damage surrounding forests making them more prone to future fires. About 80 percent of deforestation in the Amazon is illegal. Research suggests that if deforestation continues in the Amazon, 40 percent of the forest would be gone by 2050. As the fires drew international attention, the Brazilian government also banned the use of fire to clear land for two months, except in traditional agriculture. This is a very serious and destructive problem but global attention is only present when the smoke impacts major cities.

Another measure we must take is to reduce consumption of plastic to maximum levels and plant as many trees as possible. The world's consumption has increased

tremendously over the years. More population needs more food and even after that a large amount of food is being wasted. The devastating anthropogenic climate change is already paying back for the acts of humans done over the years. This is the slaughter of life, destruction of nature and loss of hope. The earth can hold 9 billion population out of which the total accounts for 7.1 billion already in 2019. According to environmentalists, we can still save our mother earth for which we have an entire decade to do right by correcting the actions we did in the past. The deadly viruses killing people across the globe may be the result of eating animal flesh which is not good for humans. The United Nations suggested in their recent study that 70% of new diseases have originated from animals which are used for food commodities. The animal market isn't just deadly for animals but even for humans.

It's time to realize the wrong actions and start acting accordingly!!

The air we breathe, the soil we live on, the trees which give us oxygen along with other flora and fauna on the earth all constitute the environment. It would have been impossible to survive on the earth had we not had such a supportive environment. However, with the surge in urbanization over the last few years we have seen a steady decline in the quality of the environment around us.

"Save environment" should be the priority of each and every person today. Environment constitutes the entire surroundings comprising water, air, sunlight, plants, animals, etc, that offer viable conditions for development and growth. If we want to save the environment then, we

should stop the exploitation of natural resources. Using these resources cautiously is very important to save the environment. Too many people complain that the damage is beyond repair, however, it is better to put an effort rather than sit and whine. The environment is capable of healing and all we need is to give it a push in the right direction in order to save it.

So, if you want to save the environment, you need to be prepared to put in the best of efforts. It is the cumulative effort over a collective period of time which can help the environment heal again and it needs to be saved because it is the source of life and living things are dependent on it.

Ways to save the environment which all of us know yet we fail to follow-

- Using cloth bags
- Planting trees
- Following the 3Rs: Reuse, Recycle, Reduce,
- Volunteering in cleanups
- Educating others
- Conserving water
- Shopping wisely and only for necessary stuff
- Using long-lasting LED bulbs
- Treating chemical water
- Taking public transport and riding bikes

Pressures on the environment continue to increase. Increase in global population, rising incomes, and agricultural and industrial expansion will inevitably produce unanticipated and potentially deleterious ecological, economic, and human health consequences. Last but not the least, if every human being gives some amount of his contribution to the environment, the environment will show positive change. See Green, See Life!

-Apurva Shinde, TYBA

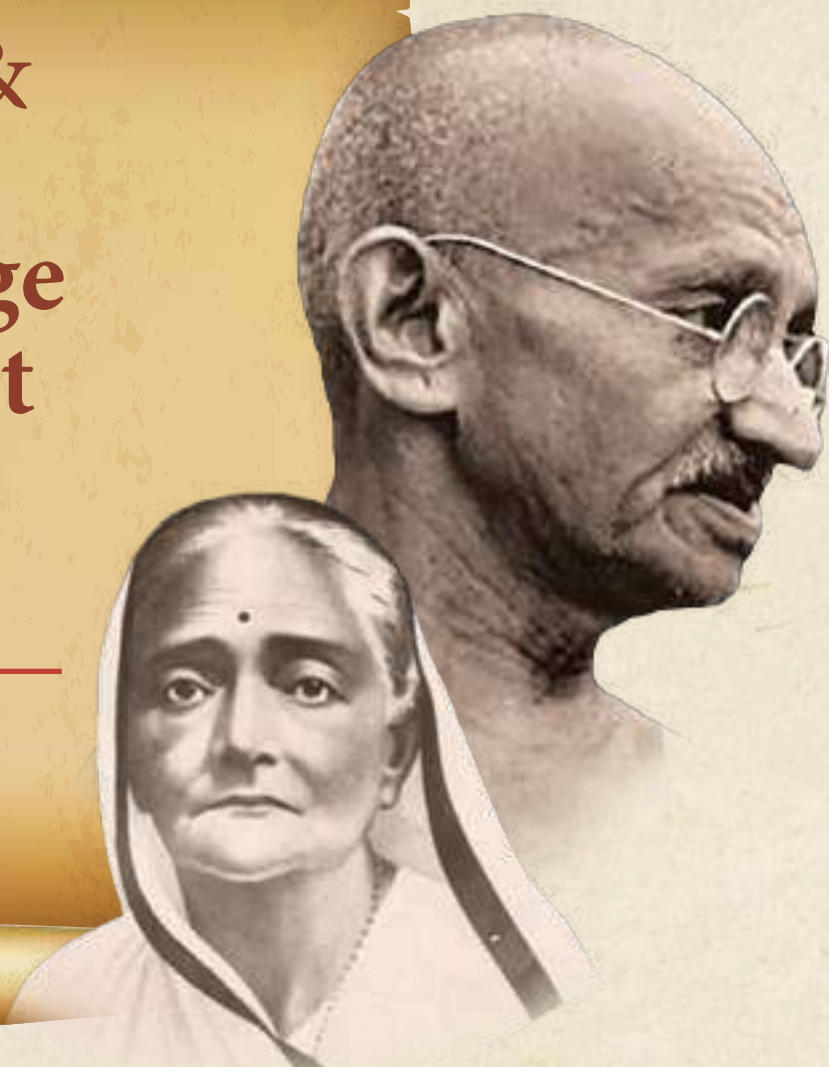
Gandhi at 150



"What we are doing to the forests of our world is but a mirror reflection of what we are doing to ourselves and to one another"

M.K. Gandhi

Kasturba & Gandhi- A Marriage of Support and Sacrifice



One of the most common faces an average Indian comes across in his daily life is that of Gandhi; the question as to how, seems obvious, through currency notes. When asked to think about Gandhi, from kids to adolescents, the intrepid youth to the bustling working class, the first thing that most likely comes into their minds, is of the benevolently cheerful smile of Gandhi on the face of all currency notes. All those who have read about Gandhi and the independence movement, recognize and commend the spiritual tenacity and charisma with which he was able to influence and mobilize millions of Indians towards one common objective, to that of 'independence' from the British.

Another person who deserves equal approbations and one who has managed, with her inexplicable sacrifices, make Gandhi the 'Mahatma' he is today, is Kasturba. Kasturba Gandhi, affectionately called 'Ba', has been the vital part in Gandhi's marital and political life. Both of them were part of well-known families, with Gandhi's father being a dewan (chief minister) and Kasturba's father being an affluent merchant; the two families knew each other and were friends. When they were seven years old, Kastur Kapadia and Gandhi were engaged as their parents decided to cement their friendship and when the marriage was solemnised in 1882, both of them had just turned 13. And after their marriage Kastur Kapadia became

KasturBa Gandhi. Just like any other marriage at the start, the couple had arguments and contentions of their own. This usually rose out of Gandhi's 'insecurities' towards her; "forever on the lookout regarding her movements, and therefore she could not go anywhere without my permission" as Gandhi's autobiography says. All this shows that Gandhi and Kasturba's marriage was like any other marriage, involving equal amounts of love, disparities, differences, and so on. Nonetheless, it was the tenacity and the courage that Ba possessed that proved to be the backbone for Gandhi's fight for justice, first in South Africa and later in India.

Kasturba Gandhi was among the first protesters or Satyagrahis, as



Gandhi used to call the nonviolent resisters, to stage dharna at Transvaal in South Africa after the colonial government there declared all 'non-christian marriages' invalid. They lived as any other married couple till 1906 braving differences and fights, but with deep love and devotion. Later on, in 1906, Gandhi took a vow of chastity, or brahmacharya; Kasturba acquiesced. History offers proof of the sacrifices that she made to enable the Mahatma to work towards procuring freedom for India. Adjusting to a new way of life, giving up the little pleasures that every married woman desires, letting go of dreams that any girl has of wedded life - this and a lot more did Kasturba do, just to let her husband lay a foundation for the task that lay ahead of him. Kasturba let the revolution, that ushered in with independence, usurp her dreams and desires.

When one speaks of Gandhi, there usually exists a curiosity as to how one could get millions of Indians, both here and across the waters, with kindred spirits to attain this momentous freedom; more importantly, he was able to inspire and revive that spirit within Kasturba and she in turn was able to spread this wisdom among thousands of women across India. While in South Africa, she was incarcerated numerous times for taking part in protests against the ill treatment of Indian immigrants. While in prison, she led other women prisoners in prayer and urged the literate ones to teach the poverty-struck and hapless illiterate ones. Indeed, like a true teacher, she taught what she had learnt from the Mahatma himself; not just letters and alphabets of a language, but the use of words to understand the 'true freedom' within

each other, while invoking the name of God and country.

Pheroze Shah Mehta once recalled the 'touching episode', when Kasturba told Gandhi that she would insist on joining the Satyagraha even if her marriage was declared illegal; Mehta's comment on her immense will-power deserves to be reproduced as whole, "Mr Gandhi must have known what it was to expose (a) tender woman to the hardship of the campaign, but in spite of his pleading, that brave lady decided to cast in her lot with those men who were fighting for the cause. History records the deeds of many heroines and I feel Mrs Gandhi will stand as one of the foremost heroines in the whole world". True to these words, when she returned to India, she continued to take part in civil actions and protests across India and often took her husband's spot while

ARUN GANDHI, THE GRANDSON OF KASTURBA AND MAHATMA GANDHI, SAYS IN HIS BOOK, *KASTURBA: A LIFE*, "THE STORY OF MY GRANDMOTHER'S LIFE IS SIMPLY THIS: WHILE MOHANDAS EXPERIMENTED WITH TRUTH, KASTURBA EXPERIENCED IT".

he was in prison. The majority of her time was dedicated to helping out and serving in ashrams. Hence, Kasturba was referred to as 'Ba' or 'Mother', because she served as mother of the ashrams in India.

In many ways, Kasturba's relationship with Gandhi was like any other wife in most Indian homes. Most of the times, the man-woman equation is unequal, particularly so for Kasturba and Gandhi as they were married in an age when equality of rights in an Indian marriage was unheard of. Arun Gandhi, the grandson of Kasturba and Mahatma Gandhi, says in his book, *Kasturba: A Life*, "The story of my grandmother's life is simply this: while Mohandas experimented with truth, Kasturba experienced it". Kasturba is said to have always been caring and ever helpful. More than anything else, she was always patient with Gandhi. Having been forced to do without a lot of amenities, she did not permit Gandhi's power with the masses to get to her head. Again, something very difficult to do, as pride in a husband's power and fame is very normal for any woman.

Since we have spoken on Kasturba at great length, a slight digression; women today have become powerful and successful in their personal and professional lives. They have become leaders in their own respective fields, and have managed to do

so with great competence. From Nirmala Sitaraman to Indra Nooyi, from Sudha Murthy to my own mother, women have excelled in their respective fields, holding top-notch positions; be it in government ministries, corporates, in society or in sports. Speaking of individuals in top positions, in our own college itself, our principal, Dr Uma Shankar along with other teachers who head various departments, of which, majority of them are women! What was once considered a 'taboo' in letting women educate themselves and leave the house for employment, they have attained extraordinary success in managing and excelling at both, their professions and their families, side by side. The intelligent, autonomous, aspiring young woman, with a mind of her own, her own wishes, desires and ambitions, is an individual, most men cannot come to terms with.

Due to her ill-health and two consecutive heart attacks, Kasturba passed away on 22nd February, 1944. With her last words, "No, my time is up", she bequeathed an entire legacy for the future women of India, considering her tireless efforts to educate and strengthen the hapless illiterate ones.

While watching any film, the majority of the people would walk out of the theatre when the end credits show up. Those long lists of names include the individuals who

have worked tirelessly day and night 'behind the scenes'. It would mean a lot for these individuals to see their names appear on the big screen, because they know the amount of work they put in, and love the feeling of getting credit for it. In history as well, the efforts of millions of women who have helped in the freedom struggle, have either been erased from books, or have been given a blind eye by posterity. History has always spoken high of the efforts of the few, but ignored the millions who have worked 'behind the scenes'. These women were not in any way, associated with renowned political leaders, nor were they married to any of them; women like these choose to live unnoticed because of their beautiful humility. This humility is very much similar to that of Kasturba. Women like these are the ones who make a house, a home. Housewives by choice or by circumstance, they live their lives to the fullest, forsaking those little desires they once thought important. They are successful women in their own right, just as much as those working women who believe in themselves and in the right to be happy, without trampling on the feelings of their loved ones. These 'Kasturbas' do exist in real life and are present amongst us, as mothers in our homes, teachers in our colleges; these are just a few, there are million more women who choose to smile by concealing their true hardships and difficulties. To all the 'Kasturbas' out there, a salute to your unfathomable sacrifices and pains!

- Aaron Shobby S.Y.B.M.S.

Khadi-Clad Celluloid: Gandhi's Tryst With Cinema

Cinema is always perceived and presented to a certain extent as a mirror to the society. It manages to translate the ornamentations and turbidity of the society in question. However, Indian movies, in an act which can be best described as "saving their own skin," present such things in a glamorous manner in order to wash over the feeble, tired, cosmopolitan minds of the audience, resulting in the real message getting lost in translation. So, after 150 years of Gandhi and 100 years of Indian cinema, in a land where a movie-watching experience is not deemed complete until a few songs and action sequences have made its way within the movie's physique, how do you get across portraying someone like Gandhi and his ideals on celluloid?

Gandhi himself was quite averse to the notion of cinema, which he perceived as a societal evil. He used to voice his revulsion towards cinema in his weekly journal *Young India*, where he dubbed cinema as one which has corrupting influences. He also urged his followers to not dissipate oneself on recreation but to recreate oneself by attending Bhajan Mandalis. He expressed his desire to propagate plays and stage dramas on mythological stories and social evils in order to downplay the increasing prevalence of cinema in Indian society. Gandhi, while talking to a group of socialists in May 1947, said that if he was made prime minister of the country, he will convert all the cinemas and theaters in India into spinning halls and handicraft factories.

After Gandhi's assassination, some documentaries were made on him, like *Nine Hours to Rama*, which fictionalized the nine hours prior to his assassination and *Life of Gandhi: 1869-1948* (1968), which is a five-hour documentary consisting of newsreels and archival footages of Gandhi. Even though the two documentaries are responsible for laying down the foundations of Indian cinema's affinity towards Gandhi, they are popularly considered as artworks that have not done justice to the person and his ideals but only as self-appealing attempts of presentations that have led to flimsy results. It took another 15 years to reach the pinnacle of artistic portrayal of Gandhi on screen.

Richard Attenborough's *Gandhi*



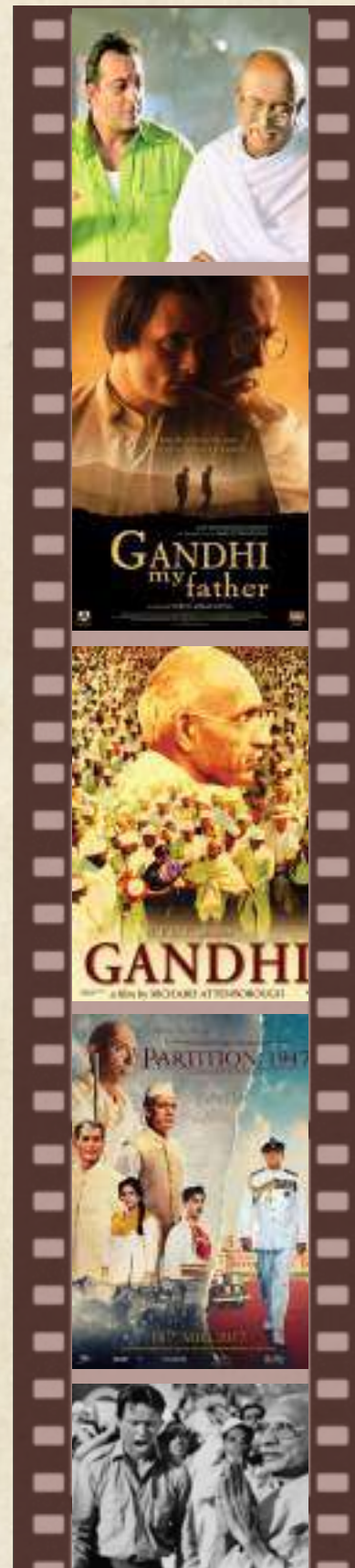
IMAGE SOURCE: IMDB

A scene from Gandhi Movie (1982)

(1982) is widely considered as a textbook example for not only the portrayal of Gandhi and his ideals but also for making biographical films. Almost every Indian has watched the film in Doordarshan on Gandhi Jayanti. Gandhi is a meticulously made movie with extensive research and immense manpower behind its ever-glowing success. Attenborough left no stone unturned in exploring Gandhi and the times when he was active, to such an extent that we are transported to the vivid and gut-wrenching times of our independence struggle. We are able to experience the trepidation and predicament Gandhi went through in order to gain independence and to avoid skirmishes during the dark days of partition, thanks to Ben Kingsley's superb performance. The movie has presented both Gandhi as a political figure and a humane idol deified beyond measure by the millions of Indians following him.

However, it can be argued that Attenborough's perspective towards

Gandhi and the independence struggle is heavily skewed due to his western persona. Attenborough has twisted and contorted the biopic for the western audience, complete with all the nuances, crests and troughs brought about by the machinery of Hollywood. It resembles an ornate pamphlet distributed at the entrance of a tourist-spot in order to familiarize the foreign tourists with it. The Anglophilic charade of the film is well characterized by the abundance of English characters and Gandhi's interactions and in some cases, friendship with them. Not to say that it is wrong in any manner, but this façade paints the English characters as somewhat benevolent and civilized as compared to Indians who are mostly portrayed as resolute, passionate, rambunctious and wild. Characters like Margaret Bourke-White and Mirabehn are given more importance than Gandhi's compatriots like Vallabhbhai Patel and Maulana Azad, who are reduced to a few dialogues and are mere bystanders. It is also



viewed by many as an apostle of alternative lifestyle, with the movie partaking some of its runtime to concentrate on Gandhi's way of living and vegetarianism. It has also elicited discussions on the denouement of notions like materialism, conformism and the contemporary prevalence of patriotism.

The other film which revolves around, Gandhi as a protagonist is Shyam Benegal's *The Making of the Mahatma* (1996). Spearheaded by a National Award-winning performance by Rajit Kapur, the film focuses on Gandhi's life in South Africa, sharing the opening scene with Attenborough's *Gandhi*, albeit in a more sterile and soporific fashion. It shows how Gandhi transformed from a shy, dutiful lawyer to an advocate of equality and freedom. The movie also presents various events from Gandhi's life in South Africa with acute precision, like Gandhi's support for the British in the Boer War and his interaction with General Smuts. However, the problem in the film lies in its lack of a cinematic garb, completely stripped of the nuances and sheen of cinema, like a documentary, as if the film itself has imbibed Gandhi's austerity in order to portray him in the best manner possible, all the while losing the meaning of being a film as such.

Another aspect of Indian Cinema when it comes to exploring Gandhi is relegating his ideals to the background and shifting the spotlight to a protagonist who is completely averse to Gandhism, wallowing at the opposite end of the spectrum. The movie in question strives to cover the journey of the protagonist from inadvertent denial to finally embracing Gandhi and his ideals. The



IMAGE SOURCE: GOOGLE

A scene from Gandhi Movie (1982)



IMAGE SOURCE: IMDB

A scene from Gandhi Movie (1982)

movie which towers above anything else when it comes to this facet of films on Gandhi is Rajkumar Hirani's *Lage Raho Munnabhai* (2006), where a local goon leaves violence and adopts Gandhi's ideals after hallucinating about Gandhi. *Lage Raho Munnabhai* is an intelligent piece of filmmaking as it manages to traverse through the thinnest of tightropes by breaking down Gandhi's simple yet deeply complex philosophy for common understanding, that too with comical undertones, thus vanquishing the slightest possibilities of controversy and becoming successful in pushing its point across the table.

Another example of the aforementioned trope is Kamal Haasan's *Hey Ram* (2000), in which a man is assigned the responsibility of assassinating Gandhi by a group of religious fundamentalists as a form of revenge for all the lives lost during the partition riots. However, after he witnesses his friend belonging to another religion, die as a result of the newfound philosophy he holds so dear to himself, he leaves everything and adopts Ahimsa as a way of life, but by then it is too late as he witnesses Gandhi getting shot by his former compatriot Nathuram Godse. The movie is successful in



A scene from *Munna Bhai MBBS* Movie (2003)

IMAGE SOURCE: IMDB

showing the universal relevance of Gandhi's ideals by juxtaposing the partition with the religious riots which broke out as an aftermath of the Babri Masjid demolition. It also soliloquizes on how we Indians have unabashedly decided to forget Gandhi and his message of non-violence and peace in order to justify our personal mindsets.

A branch of this facet can be seen in biopics of other freedom fighters who were well-known for their differences with Gandhi. Such films didn't disparage Gandhi as such, but presented him as a divine token of opposition to the freedom fighter in question. Rajkumar Santoshi's "The Legend of Bhagat Singh" (2002) portrays an image of Gandhi in the form of an indecisive and escapist leader, as someone who has a guarded perspective limited to his Congress party and his political initiatives, destroying his much popular neutral stance. This notion is stressed by the fact that Gandhi's signing of the Poona Pact further concretized the death sentence of Bhagat Singh and his compatriots. The film is known and revered for its reproving stance

and presenting a deliberately ignored perspective of how Gandhi sometimes failed as a leader of the masses.

In Jabbar Patel's "Dr. Babasaheb Ambedkar" (2000), we see Gandhi as the perfect opponent to Ambedkar, as the latter publicly denounced Gandhi and refused to adjudge him as a Mahatma. The film presents a different side of Gandhi, in the form of a supporter of the caste system, staunchly opposing a separate electorate for the Dalits. Gandhi is also depicted as a scheming leader who uses fasts and other methods to get his way through political opposition. The movie has presented Gandhi through a bidimensional perspective, as a leader who fought against oppression of the lower castes but also conformed to the views of the religious majority.

Thus, it can be observed how Indian Cinema has portrayed Gandhi through a menagerie of biopics and movies with social commentary. However, it must also be noticed that the cinematic portrayal of Gandhi has always bordered on the lines of "saint-making" and not exploring him as he was, an ordinary human being. Our

perception has concentrated more on the Mahatma rather than the Gandhi following that spiritual honorific. We have deified the man for simply harboring and living by the ideals which everyone should imbibe, as if it is an extraordinary feat to live alongside those ideals.

Only a handful of films have shown the flip side of Gandhi with utmost honesty, a facet which faces either flak or ignorance by the milieu. Furthermore, all the films have covered Gandhi only as a political leader. None of them have shown him prior to the Pietermaritzburg train episode, widely considered as the prologue of Gandhi's political career. We have never seen Gandhi as a child or a young man learning how to dance and play the violin in London. We never see him as an ordinary human being but as an ordained puritan, someone who is as inscrutable as his ideals, akin to a god. In a time where man-made, living, breathing "gods" across the lines of religion and political ideology are wreaking havoc on the world more horrendously than God himself, it is more than necessary to perceive the person in question as a human rather than a deity. In conclusion, demystification rather than deification is the answer to truly understand the humane within the idols of our own making, whether it be Mahatma Gandhi or God himself.

-*Hariharan Acharya, TYBA*

Towards Green Philosophy- The Gandhian Way



There still exists an insatiable curiosity in the minds of Indians across the world, when the central govt announced the 'Swachh Bharat Abhiyan' in 2014 and chose the most memorable symbol of the century to mark its functioning. That symbol was of Gandhi's iconic rotund spectacles! Creativity infused with humility, was made apparent when the words 'Swachh' and 'Bharat' were beautifully carved inside those spectacles, invoking inspiration from the man himself. This unlikely association usually makes one wonder about the thoughts Gandhi would have had about the environment. When asked

to think about 'environment', one of the few pictures our minds can think, is of lush, scenic greenery on one side separating the dark, polluted conurbations on the other.

One would argue that the world we live in, in which science, technology and development have played an indispensable role in changing human destiny, at the expense of exploitation of the environment, was very much different compared to older times. It's difficult to accurately spot the genesis of the problem, arising out of environment or even find where we went wrong as humanity, but most of them would agree, with due retrospection, that

the 'Industrial Revolution' that began in England and eventually spread to the whole world, is worth pointing fingers at. As men grew rich, wise and avaricious, they demanded products which were deemed 'luxury', which meant tapping into the environmental sphere, finding the purest form, and further processing it, to sell in huge quantities. Although, the environmental effects of this economic activity would be witnessed only after centuries, it is ironical to say that this 'revolution' that once began towards fulfilling men's needs, has now shifted its focus towards fulfilling the needs for a 'Green Environment' also!

Many would claim that Gandhi was not an environmentalist in the modern sense. Although he did not create a green philosophy or write nature-centric poems, he is often described as an 'apostle of applied human ecology'. It is a fact that environmental concerns in that period were not serious or were not paid heed to, however, the thoughts regarding the 'conservation of the environment' were arcanelly scattered through his writings and articles. Of the many ideas that Gandhi propagated viz. satyagraha, simple lifestyle, truth, non-violence, have found its relevance not only in the freedom struggle but also in a way, a source of inspiration for incipient environmentalist philosophies. As Leonardo da Vinci famously

put it, "Simplicity is the ultimate sophistication", Gandhi placed simplicity at the forefront amongst all his deeds.

According to him, a simple lifestyle accounts for the activities that does not require much tapping into the forests or nature for resources. A person of Gandhi's stature would require him to wear flamboyant clothes that indicates 'class'. Instead, in his years after arriving from Transvaal (South Africa), he donned the simplest of attire: a 'dhoti'. Though there was no ulterior motive to his clothing style, his dhoti was seen as a symbol of 'simplicity and humility' among millions across India. He implored people to live simply so that others may simply live. For he believed that "earth provides enough to satisfy every man's need but not every man's greed". So, the rich must not only restrict their wants, but must also treat their wealth as 'trust' and use it for the welfare of the poor. This can be done only if people can distinguish between their real needs and artificial wants and control the latter. To him, the real need meant to possess only what is absolutely necessary for the moment. As this would not only help

the unprivileged of today, but would help protect the environment for the next generation. As to him, the earth, the air, the land and the water were not an inheritance from our forefathers but a 'loan' from the past. So, we have to hand it over to the next generation, as it was handed over to us.

In his book 'Hind Swaraj' (1909), he cautioned mankind against 'unrestricted industrialism' and 'materialism'. He did not want India to follow the west in this regard and warned that if India, with its vast population, tried to imitate the west then the resources of the earth will not be enough for its sustenance. He argued that industrialization and machines have an adverse effect on the health of people. Although he was not opposed to machines as such; he definitely opposed the large-scale use of machinery. He criticized people for polluting the rivers and other water bodies. He criticized mills and factories for polluting the air with smoke and noise. What he advocated in place of 'industrialism' and 'consumerism', was a simple life based on physical labour.

Gandhi's vision and values are meant to be a serious exploration into the contemporary meaning of 'Hind Swaraj' and the kind of possibility it indicates for agricultural practices in rural India. 'Hind Swaraj', herein, refers to Gandhi's text and also to India's last 50 years as an independent country. In it, Gandhi propagated the harmonious

'coexistence' between man and nature. He mentioned that the 'theories of growth' need to be replaced by 'theories of sustainable development'. 'Hind Swaraj' went on to become the manifesto of satyagraha. In its broader sense, it was a compassionate vision to save the world from itself. Over the years, during his time and after, his philosophy would go much further than finding its place on books, and would help draw another wave of inspiration for the upcoming set of social reformers.

Post-independence era, Gandhi's inspiration paved way for many social movements headed by individuals who helped raise the voices of people whose habitation were threatened in the process of development. Two such epoch-making social movements that India witnessed in the post-independence period rose from this 'ethical dilemma'; 'Narmada Bachao Andolan' and 'Chipko movement'.



Most of the time, in the pace of achieving unprecedented development, one may seem to forget the clamour of the local populace; their needs, demands and wants. As was the case of 'Narmada Bachao Andolan'; the locals residing near the project-site, who were not notified of the development that was to deprive them of their habitation and cause haphazard displacement. Medha Patkar mobilized massive marches and peaceful protests against the construction of India's Sardar Sarovar Dam, which displaced thousands of tribal peoples and submerged vast stretches of forests and farmland. Her voice in the protests was later joined by, Baba Amte, a gaunt, dynamic social activist. Together, they were able to garner the support from various NGOs and the individuals themselves who had been 'appropriated', in the name of development. The dam is an engineering marvel and an institution of national pride, but it took three decades of court battles,

rallies and hunger-fasts to get three state governments, the Centre and the Supreme Court to start delivering a fair rehabilitation package for the 230 villages and the 2.5 lakh-odd people the dam work displaced.

Yet another movement which was on the same lines, but drew considerable inspiration from Gandhi's movements, most notably satyagraha and non-violence; The 'Chipko Andolan' which began in 1970s in Uttarakhand, would go on to become an ideal point for many future movements around the world. It all began when the UP govt authorised the cutting down of trees for commercial purposes, almost 300 of them. Motivated by Chandi Bhatt, the residents of the area went ahead and embraced the trees to dissuade the loggers from chopping them down. But the incident that would immortalise the 'Chipko Movement' in the pages of history would happen near the Reni village in 1974. Gaura Devi, a resident of the village,

mobilised the women around her to stand up to the loggers, and their combined efforts would go on to save 2,500 trees from being axed.

As logic dictates, fruits of development in a country must be shared with all its citizens. It is only when we heed to the ones who have been compromised in the process, we realise how ruthless we have grown to achieve the goals of 'vikas'. While relying greatly on renewable resources, mankind has explored methods to utilise these resources like never before. 25 years ago, the idea of an automobile running on electricity may have sounded like a prop in a science-fiction movie, but now, that reality is on its way to being ubiquitous! An invention towards a clean environment should always be our goal, at least in those areas where there is a considerable use of fossil fuels. We need to plant more trees, vouch for a reduced consumption of 'environment threatening' fuels, exhort behaviour of 'sympathy' and 'caring' towards the nature and its resources. These actions should not just be 'on paper', but must find itself, in practice, in our day-to-day lives. Gandhi's philosophy- simple is always better- should be incorporated in the choices we make and the lifestyle we choose. As humanity faces 'climate change' and its effects, we must challenge ourselves to make this world a better place for all of us.

-Shreshti Srinivasan, SYBA

Book Review

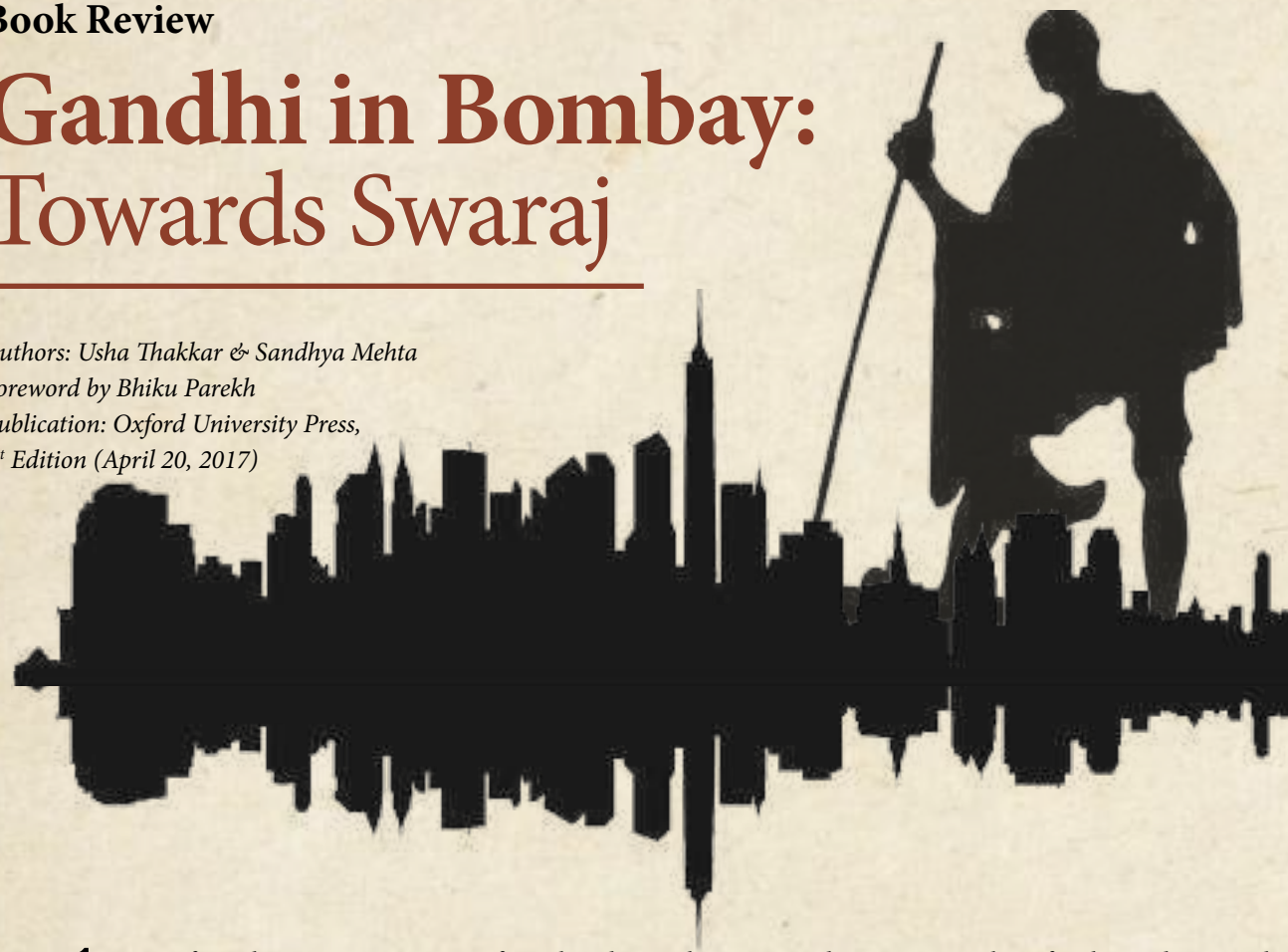
Gandhi in Bombay: Towards Swaraj

Authors: Usha Thakkar & Sandhya Mehta

Foreword by Bhiku Parekh

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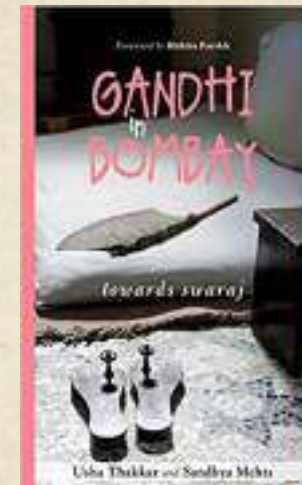


Two of the most fundamental things in the life of an Indian would be the impact of an eminent leader, Mohandas K. Gandhi and the city of Bombay. It is thus, indeed a treat for one to indulge in a book which offers an insight into both. “Gandhi in Bombay: towards swaraj” is a historical narrative, written by Usha Thakkar and Sandhya Mehta and published in the year 2017. It takes the reader on a journey that describes Gandhi’s life from when he set foot on the bustling Bombay docks in the year 1915 until the time of his assassination in the year 1948. The authors through this narrative have attempted to explore an undiscovered and undocumented relationship between Gandhi and the

city of Bombay during the mentioned set of years. This connection is established from the foreword itself which is penned by Bhikhu Parekh stating that Gandhi called Bombay the ‘first city of India’ because of the highly developed, public spirited civic culture found only in Bombay amongst all Indian cities. Taking this into consideration, the authors of this book go on to describe the genuine engagement of Gandhi with the people of this city. It goes beyond the prescribed factual history of textbooks one reads in school and attempts to place a connection between Gandhi and Bombay through the mediums of events, speeches and meetings that Gandhi attended.

The introduction creates a

concrete base for the reader to probe the interrelation presented throughout the book. The introduction is divided into three parts, wherein the first part provides a brief information about the historical significance of Bombay by tracing its development into a cosmopolitan city; the second part demonstrates the link between Gandhi and Bombay whereas, the third part presents an overview of Gandhi’s work in Bombay since 1925. Being a historical narrative, the book is neither critical nor analytical in its approach but rather a recital of events that place Gandhi as a major figure amidst the streets of Bombay. During the time Gandhi set foot in Bombay, apart from being the financial capital of India, it had become the hub for education, culture and with



the establishment of INC (Indian National Congress) in 1885, had also gained its position in Indian politics. It also gives an account of Gandhi’s initial aversion towards the city of Bombay, before he finally gained stature in 1915 when he returned to Bombay from South Africa (He returned to Bombay in 1915 and that was when his exploration of Bombay began). His life took a drastic turn after he returned from South Africa and he became one of the pioneers of the Indian Freedom Struggle. His leading movements such as Khadi and Swadeshi took prominence in Bombay and they were enthusiastically received and promoted by the men and women involved. He launched several trusts and organizations to improve the civic condition and sanitation of the city. The authors of the book bring out such a connection by compiling Gandhi’s letters, published writings and fifty rare photographs that depict important events in Bombay.

The contents of the book is further divided into nine chapters,

which delve deeper into the happenings within the city of Bombay that involved M. K Gandhi. The first chapter titled, “Back to Dear old Motherland” follows Gandhi’s thought process and the time he spent in exploring the city of Bombay as he felt that, in order to engage with the political atmosphere within the city, it was necessary for him to understand it. The authors offer an insight into the meetings and receptions that Gandhi attended as well as his encounter with prominent leaders such as Bal Gangadhar Tilak and Gopal Krishna Gokhale. The second chapter titled, “Facing New challenges” describes the genesis and course of the Satyagraha against the unjust Rowlatt Act. The third chapter titled “Call for cooperation” describes the most impactful event in the history of Indian Independence struggle, the Non-Cooperation Movement led by Gandhi. It also touches upon the discourses of Khilafat and the first national week. Chapters 4 and 5 take note of the important events that occurred in the span of 1921-29,

and trace the collection of the Tilak Swaraj fund to the opening of the Khadi Bhandar in Bombay and also gives a brief account of Gandhi’s trips taken to various cities across India. Chapter 5 titled “Making Bombay the Citadel of National Movement” describes how his journey gained momentum with a number of protests in opposition to the British rule around Bombay as well as the rise of women’s participation in the political development of the city. This chapter also provides insight into Gandhi’s arrest and the unrest it bought amid the masses. Chapter 7 deals with the British divide and rule policy along with Gandhi’s prohibition act. Chapter 8 focuses on the unrest that resulted from a number of protests and riots that the city of Bombay plunged into, followed by the arrest of Gandhi and other congress leaders. The final chapter of this book presents the events that took place during and after the declaration of independence, which then led up to Gandhi’s assassination in the year 1948.

What really makes this read a unique one is how the authors have balanced their focus between Gandhi and Bombay, thus not making it a monotonous narrative of historical facts. They have paired Gandhi not only with the city but its people and the everlasting relationship between them. Such an attempt is not only appreciated but recommended to every reader as it offers a radically distinctive approach towards a historical person who has been engraved onto our minds since childhood.

- Shriya Manohar, TYBA

Experiments With Truth By Martin and Mandela



Kaizer-i-Hind, the name itself gives a strong, dominating and powerful message but what one comes across, is a man referred to by Lord Mountbatten as 'Little Sparrow' with an iron will and towering character, M.K. Gandhi. He is one of the simplest figures of the 20th century and is one of the most admired and influential personalities, of not only the present generation but also for the posterity of all humanity. A true nationalist who upheld the universal values of humanity and brotherhood, the connection and the bonding which he developed with the people of India while touring the entire country helped Gandhi in shaping the freedom struggle into a pan-India movement. Under his leadership, all the sections of the society came together on a united front to organize freedom struggle against the Britishers. Indeed his efforts paved the way for a free India but with a divided social fabric, drowned in the ideas of hatred, communalism and extremism. The

Mahatma then went on to a mission to stitch the torn social fabric of remote villages in Noakhali. Just after his Noakhali expedition, he came to the ravaged city of Delhi and as he went on to start his last fast, the bloody streets of Delhi dried up, the cry for hatred was replaced by the feeling of fraternity.

Winston Churchill called him the 'Half-Naked Fakir' who, "brought down the imperial nation to his bruised feet and had travelled all across India in the quest of a free, harmonious and a peaceful nation". Devoted to values of peace and non-violence, the Mahatma inspired not only the constitution of India but also revolutionized various civil rights movements across the globe. The most adherent and renowned disciples of Gandhi were Martin Luther King Jr. and Nelson Mandela.

Martin Luther King Jr. and Mahatma Gandhi had almost identical starts to their social life. Wherein Gandhi had to vacate his railway berth for a white Englishman, Luther King was jailed for violating the racial segregation laws of Alabama. The Civil Rights Movement of the 1960s was incited by Luther King in such a manner that Gandhi became a center figure through his doctrine of non-violence. When Luther King visited India in 1959, he said that for him visiting India was a pilgrimage which enlightened his understanding of Gandhi. As the British in South Africa recognized the rights of Indian settlers after Gandhi's successful Satyagraha, in the same way the Supreme Court of United States also recognized that the racial segregation laws were discriminatory in nature. This was



King's first victory against injustice but it was not the end. It was the dawn of a new movement for blacks across the United States. Gandhi was subjected to various lathi-charges and imprisonment but didn't compromise his staunch belief in non-violence. In the same way, Luther King too had to face violent oppression by the white supremacists but he never gave up his stance on non-violence.

The Apostle of Peace made another significant impact in the Anti-Apartheid Movement of South Africa led by the Gandhi of South Africa: Nelson Mandela. "While Nelson Mandela is the father of South Africa, Mahatma Gandhi is our grandfather," says Harris Majeke, former South African ambassador to India. Mandela was a staunch supporter of non-violence and he



did not only morally admire the principle but also applied it as a great strategy which helped him garner support even from some whites. Mandela spent 27 long years of his life in prison where he dreamt of an anti-racist South Africa which would give equal rights and protection to both the blacks and whites. Gandhi

was of the view that India derived its power from the brotherhood between Hindus and Muslims. Mandela and Gandhi both had immense faith in humanism and fraternity.

Gandhi, Mandela and Luther King cherished the democratic principles of equality and liberty. They are the true ambassadors of humanity. Their contribution towards peace and freedom restored the faith in humanity even when people talked about war. Their quest for peace has brought the globalists to one view of Vasudhaiva Kutumbakam, thus giving the future generations a great task of achieving a world free from any discrimination and antagonism. The Mahatma left a message for the world, 'truth shall always triumph over evil'.

-Shourya Gori, SYBA

Dr. Bindu Chowdary is the Founder Director of EET (Education for Emancipation Trust) which runs the Inodai Waldorf School, Andheri.

S.I.E.S alumnus, Department of Politics, batch of 1987

Coming to my alma mater was very nostalgic. It reminded me of many experiences and incidents, some of which I would like to share.

My journey of six years started when I took admission in SIES College in 1972. Prof. Ram Joshi was the principal. Prof. Joshi was such a dignified and elegant personality that we were in awe of him. We had our First-Year class on the ground floor. Some boys would be sitting on the boundary wall in front of the class, which was actually not allowed. When Sir came out of the lift and saw the boys sitting there, he would just stop and look at them, not say a word. The boys would quickly get off the wall and run into the class. Such was the power of his gaze. We all admired him immensely. We, the new entrants, were fascinated that he resides in the same building, though it may seem silly now. We walked up all the way to the fourth floor to see where he lived. Prof. Ram Joshi taught us in Senior B.A class. He was such an erudite teacher of Political Science and we all eagerly waited for his lecture. I also remember that he had joined us for our final year picnic and he participated very sportingly.

The simplicity, knowledge and humour of our teachers have taught us more than just the subject.



I saw the scholarly innocence in Prof. P.S.Ramaswamy as a teacher and then very briefly as a Principal, when I was in my M.A and my admission was through SIES college.

We had Prof. Rao for Geography in our first year. When some students in the class did not do the work assigned to the class, he would, in his heavy voice, always say, without showing anger, 'You need to go to the fourth floor and finish your work.' The Reading Library was on the fourth floor and the Lending Library was on the second floor.

Both Prof. Dave and Prof. Deepa Ganguly were teachers par excellence when they taught us a subject called Logic. A very new subject for me

and it seemed very mathematical and for me it became very exciting when I found that it was indeed a scoring subject. Prof. Dave's unique voice still rings in my years. Prof. Ganguly's smile and dimpled cheeks still appear before my eyes when I think of her. I remember, to this day, that though I was a student of Political Science in B.A, one day when I was talking to Prof. Ganguly about psychology, she lent me her book on 'Interpretation of Dreams' by Sigmund Freud. I was touched.

For English, we had wonderful teachers who were highly creative. Prof. Vinda Karandikar, a very serious looking teacher would come

to class and we all were at first very scared to even open our mouth to say anything. It was our first year in college. But slowly, we experienced the great humour that he brought forth while teaching us poetry and explaining comprehension passages. I shall never forget the definition of 'precis' that he told us. I remember him appreciating my essay on, 'Looking out of the window'.

Prof. Bandivadekar, our Hindi teacher, was a very jolly person and told us the anecdotes from his life when he explained the meaning of idioms and proverbs. I really consider him as my mentor who inspired me

to express myself in both poetry and prose. When students' contributions for the magazine were asked for, I, very hesitatingly, gave him my poem in Hindi. It was a very simple poem. The title of that poem was लोग ही लोग . I remember the excitement on seeing my name in print for the first time. Then I wrote essays in Hindi for the magazine. That was the beginning of my journey to writing stories and poems which were also broadcast on All India Radio, Mumbai. I have always thanked Dr Bandivadekar, in my heart, when I saw my name in print or whenever my poems were selected on AIR.

Dr Hebsur, Dr Pinto, Dr D'Silva, Prof. Kulkarni (for German) were also my teachers who have enriched me by their personalities.

I can go on and on writing about the gems at SIES who have had a great influence on me.

It gives me great pleasure to know that after nearly forty-five years, I, again, have the privilege of contributing to my college magazine. Thanks to Principal Dr Uma Shanker who asked me to write my memories connected with SIES college.

It is our collective and individual responsibility to preserve and tend to the world in which we all live.

- Dalai Lama

MICROBIOLOGY LAB



COMPUTER SCIENCE LAB & STAFF ROOM



BIOTECHNOLOGY LAB



STATISTICS DEPARTMENT



BIOANALYTICS DEPARTMENT



PHYSICS LAB



MEMORIAL LECTURES



21st Dr. Ram Joshi Memorial Lecture -Dr. Coomi Vevaina, 14th september 2019

This year the 21st Ram Joshi Memorial lecture was held on 14th September 2019. Dr. Uma Shankar, Principal formally welcomed the guests and Ms. Lakshmi Shivakumar, Co-ordinator, Teacher training programmes, SIES Institute of Comprehensive Education introduced the purpose and precepts of the memorial lecture. Dr. Vidhya Satish, Director, SIES Institute of Comprehensive Education introduced the Chief Guest Dr. Coomi Veviana.

Dr. Coomi Vevaina, Ph.D. Literature and Ph.D. Education delivered the lecture on 'Re-designing Education for Digital Natives'. The lecture was thought provoking and gave insight on how teachers should go beyond classroom teaching for the digital natives. It also brought forth the importance of including digital learning, revisiting and revising the curriculum structure for the learners of the future. The lecture was attended by educators, head of institutions, counsellors, special educators, staff and



students of SIES group of institutions. Ms. Rupal Vora, Co-ordinator, Counselling programmes, SIES Institute of Comprehensive Education proposed the formal vote of thanks.



8th Principal P. S. Ramaswamy Memorial Lecture - Dr. Bindu Chowdary, 2nd March 2020

The 8th Principal P. S. Ramaswamy Memorial lecture was delivered on 2nd March 2020 by Dr. Bindu Chowdary, a distinguished teacher and one of the founder Directors of EET (Education for Emancipation Trust) which runs the Inodai Waldorf School, Andheri. She spoke on 'Humanizing Education to create a healthy society'.

Dr. Bindu Chowdary emphasized that 'Humanizing Education' is more important than technologizing it. Dr. Chowdary pointed out that the true task of the educator should be to strengthen the spiritual core of the inner child. She said that the purpose of meaningful education is to understand the true nature of human beings and education, then, must equip the child to think and choose according to his/her interest. Nurturing the child and taking care of his/her self-esteem is humanizing education. She concluded the

lecture by saying that "if people are healthy, the society will be healthy."



SEMINAR REPORTS



Departments of Humanities organized a RUSA funded Two Day International seminar on 'Mapping Indian Diaspora: Issues and Perspectives'

-13th & 14th December 2019

The objective of this interdisciplinary seminar was to deliberate on the need of a firm empirical foundation for the future study of the Indian diaspora. The seminar explored the need for a dynamic policy framework & plans for forging a mutually beneficial relationship with diaspora to facilitate their participation in India's growth story. The keynote speaker Prof. Binod Khadria, Former Professor of Economics and Chairperson, Zakir Hussain Center for Educational Studies, School of Social Sciences, JNU, spoke on 'Of Youth, Migration and Diasporas: Between Homeland and the Hostland?' in which he discussed, with supporting statistical data, the history of and the immigration policies made by various host countries and their impact on the home countries. The Webinar by Dr. Anjali Sahay, Professor of International Relations and Political Science from Gannon University Pennsylvania, USA, was an eye-opener as she analyzed the traditional concept of Brain Drain from an unusual perspective of the more positive brain gain.



The second day of the seminar began with a refreshing cultural mélange of dance and music as Dr. Siri Ramaswami faculty from the Nanyang Academy of Fine Arts and President of the World Dance Alliance, Singapore gave an absolutely enthralling talk on the creativity and hybridization that goes into the making of the multicultural diasporic identity when there is an open exchange between cultures and what an important role important dance plays in this matrix. This idea was carried forward by renowned classical singer Mr. Mahesh Kale who travelled over from the USA and through a very interactive session proved how music crosses borders and unites cultures.

Dr. Dnyaneshwar Mulay, Former Ambassador and current member of the National Human Rights Commission gave the valedictory address which was presided over by Dr. Uttara Sahasrabudhe, Head of the Department of Politics, University of Mumbai. Dr. Mulay brought the discussion on the Indian presence in every corner of the world full circle by saying: "In the olden times they said the sun never sets on the British Empire but, today sun never sets on Indians. Today, wherever the sun sets there is an Indian". The two - day seminar was thought-provoking. The discussions covered wide ranging topics from transnationalism, culture and Diaspora, media, technology and Diaspora, India's Diaspora Policy ,remittances, investment and entrepreneurship, hybrid identities to East-West cultural assimilations and collisions, by fifteen paper presenters from diverse fields.



Department of Hindi organized a Two-Day National Seminar on 'Tkkisvi Sadi ki Chunautiyan aur Gandhi Tatha Hindi Sahitya' -

2nd & 3rd March 2020

The seminar was organized in association with the Hindi Department of R.J. College, Ghatkopar (W), Mumbai to commemorate the 150th year of Gandhi's Birth Anniversary. This Seminar was inaugurated by Dr. Anoop Vashist (Prof. Dept. of Hindi B.H.U and noted Critic and Poet of Hindi Literature). In his keynote address, he pointed out that the teachings and values given by Gandhi has become more relevant in today's times as the world is facing a lot of challenges in maintaining a peaceful co-existence and social co-operation in all spheres of life. The inaugural session was chaired by Dr. Satyadev Tripathi (Former Professor and HOD of Hindi, S.N.D.T University, Churchgate, Mumbai). The special guests on the dais were Dr. Dayashankar Tripathi (Professor & H.O.D of Hindi, Sardar Patel University, Gujarat), Dr. Rajendra Singh (Hon. Secretary, Hindi Vidya Prachar Samiti). Principal Dr. Usha Mukundan gave a welcome speech, Prof. Dinesh Pathak brought out the purpose of the

seminar and the session was compared by Dr. Mithilesh Sharma.

Total 25 papers were presented by the faculties and research scholars of different colleges in 5 different theme based sessions. Besides paper presentations, there was a special session of special lecture and panel discussion. This session was based on the theme 'Gandhi Yugeen Patrakarita banaam Aaj ki Patrakarita'. The session was chaired by noted journalist and thinker Shri. Rahul Dev and along with him 3 other eminent journalists- Shri. Vishwanath Sachdev, Shri Harish Pathak, Shri. Ravi Jain participated in the panel discussion. Dignitaries like Dr. S.P.Dubey , Dr. Sunita Sakhare, Dr. Karunashankar Upadhyay, Dr. Dattatrey Murumkar, Mr. Jayanth Diwan, Dr. Rajam Natrajan, Dr. Sumanika Sethi, Shri. Suraj Prakash, Shri. Navendu Bajpayee, Dr. Bodhisattva and Abha Bodhisattva also expressed their thoughts on Gandhi and his ideology in different sessions.





Department of Philosophy organized a Three-Day Seminar on “The Centennial trinity, Ba Bapu Baugh”

-28th to 30th January 2020

The three day seminar was organized in association with Guru Nanak Khalsa College of Arts, Science, Commerce (Autonomous) & SIES College Past Students' Association. The central idea of the three-day event was to mark the 150th Birth Anniversary of Mahatma Gandhi and Kasturba as well as 100 years of Jallianwala Baugh. As a prelude to the event both the institutions arranged an exhibition, 'Ba-Bapu-Baugh-Bazaar', in order to encourage students to go 'swadeshi' by creating an experiential impression about the use of Khadi. This was done with the help of Khadi Village Industries Commission and Sarvodaya Book House through the display of a wide range of Khadi textiles and Khadi products on 13th and 14th January 2020.

On 28th January, G. N. Khalsa College hosted

the event 'Reliving Ba' and showcased a variety of glimpses of Kasturba's life with M. K. Gandhi. The Guest of Honour, Ms. Rohini Hattangadi, led the august gathering through her moments of preparation and performance as the 'Reel Ba' in the most acclaimed Richard Attenbrough's film Gandhi. The same day, SIES inaugurated Jallianwala Baugh Exhibits under the aegis of Partition Museum, Amritsar and The Art and Cultural Heritage Trust, New Delhi. On 29th January, SIES College witnessed a grand inaugural at the auspicious hands of the Guest of Honour, Dr. Anand Gokani, an endocrinologist and the great grandson of M.K. Gandhi. Dr. Gokani drew instances by 'Reflecting on Bapu.' Followed by this, eminent speakers such as Prof. Dr. C D Sebastian, Department of Humanities, IIT Mumbai, Ms. Prerna Desai, an economist and Mr. Ganesh Nochur, an environmentalist, brought out various Readings and Reflections about Gandhian thought, principles and activism through a panel discussion.

On the eve of Martyr's Day, 30th January, Jallianwala Baugh Martyrs' family members Mr. Surinder Singh, Mr. Tanveer Singh, Mr. Sunil Kapoor, Mrs. Paramjeet Kapoor, Mr. Royal Kapoor, Mr. Azaan Kapoor, Mr. Rajinder Sharma and Mrs. Rekha Sharma were felicitated by Dr. V. Shankar,



Departments of Sciences organized a RUSA funded Two-Day International Seminar on 'Natural Products – Quality, Safety and Efficacy'

-6th & 7th March 2020

The International seminar was organized with an aim to discuss and review quality, safety and efficacy of natural products. The objective of the seminar was to provide a networking opportunity for linkage between academia, industry and regulatory agencies. The Keynote address was delivered by Professor (Dr.)



President SIES. Mr. Santhanam, Vice President SIES, Mr. K. Venkatramani, Joint Secretary SIES and Mr. Devdas Nair, Treasurer SIES and Mr. K.A. Viswanathan, President, Past Students' Association graced the occasion. This was followed by an interactive session of the martyrs' family members with the students of SIES and G.N. Khalsa. The family members shared their heartfelt stories and memories that truly brought out the significance of our theme

'Reimaging Baugh.' Ms. Priyanka Seshadri, a representative from the Partition Museum, spoke about the Museum exhibits showcasing preserved letters, facts about the Past History of India during the British Raj and the freedom struggle movement.

The three days event culminated with a skit on Ba Bapu and dance ballet on Baugh by student artists of both SIES and G N Khalsa Colleges.

Kemal Hüsnü Can Başer; Near East University, Faculty of Pharmacy, Department of Pharmacognosy, Lefkoşa (Nicosia), Turkey who spoke on "Chemistry and Biological Activities of Carvacrol and Carvacrol Containing Essential Oils". The various plenary sessions had eminent speakers like Dr. Bhaskar Idage, Ex-Scientist, Polymer Science and Engineering Division, CSIR- National Chemical Laboratory, Pune, Dr. Sayeed Ahmad, Bioactive Natural Product Laboratory, Department of Pharmacognosy and Phytochemistry, Hamdard University, New Delhi, Dr. Shilpa Verekar, Head, CQA Laboratory at Parle Agro Pvt Ltd, Mumbai, Professor (Dr.) Kirti Laddha, Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology, Mumbai, Dr. Rajendra K. Sanghavi, Consulting Clinician & Healthcare NeuroMarketing Chairman – Nutraceutical Committee, Indian Drug

Manufacturers' Association, Dr. Ajay Srivastava, Medicinal & Process Chemistry Division, CSIR-CDRI, Lucknow, Dr. Sudhir Singh, Nuclear Agriculture & Biotechnology Division (NABTD), Bhabha Atomic Research Centre (BARC), Mumbai, Mr. Sanjeev Pendharkar, Director, Vicco Laboratories, Mumbai and Professor (Dr.) Sunil K. Deshmukh; TERI-Deakin NanoBiotechnology Centre, The Energy and Resources Institute, New Delhi among others. They spoke on a range of topics like "Biodegradable polymers derived from renewable resource materials", "Isolation, Extraction and Identification of Bioactive compounds", "Metabolic engineering: A possible way of enhancing Camptothecin content of target plants" and "Natural products from endophytic fungi and their pharmaceutical and food Applications".

The delegates also benefited from an online lecture by Dr. Sunil Dutt Shukla, Department of Zoology, Government Meera Girls College, Udaipur, Rajasthan who spoke on "Toxicity and Safety in Traditional Indian System of Medicine" and a Special Talk on "Patenting of Herbal Drugs" by Dr. Mrudula Bele, Pharmaceutical Development Scientist and Patent Consultant, Faculty - MVP's College of Pharmacy, Nashik.



Department of Philosophy organized a Two-Day National Seminar on 'Gandhi's Writings on Indian Culture'

-27th & 28th February 2020

Maulana Abul Kalam Azad Institute of Asian Studies (MAKAIAS), Kolkata, an Autonomous Body under Ministry of Culture, Government of India, in association with Department of Philosophy, SIES College of Arts, Science & Commerce (Autonomous), Mumbai organized National Seminar on "Gandhi's Writings on Indian Culture" to commemorate 150 years of Gandhi's birth anniversary and to find new meanings and insights in Gandhi's writings from historical, philosophical and cultural perspectives. The Guest of Honour H.E. Tang Guocai, Consul-General of the People's Republic of China, in the Keynote Address said, "even though Gandhi never visited China in his lifetime, his philosophy of 'peace and

There were also several industry speakers like Mr. Shahrukh Bharucha, Application Specialist, Anchrom Enterprises (I) Pvt. Ltd., Mumbai, Ms. Ranjitha, Representative, Expert Nutraceutical Advocacy Council (ENAC), Mumbai and Mr. Chirag Chaudhari, Founder, Crashola | Chirakanksha Foods, Mumbai.

The Valedictory session of the conference was chaired by Mr. Sanjay Dave, Former Chairman, Codex Alimentarius Commission and Former Advisor, FSSAI and Professor (Dr.) Smita S. Lele, Director and Professor of Biochemical Engineering Institute of Chemical Technology, Marathwada Campus, Jalna who spoke on "Codex Alimentarius and Nutrition Standards" and "Approaches in Active Packaging" respectively.

The conference was a huge success with 150 participants in the form of resource persons, delegates, participants and industry representatives. The poster presentation in the college quadrangle also attracted a large number of students. The conference was able to convince the participants that 'Natural does not necessarily mean Safe' and made them realize the relevance of quality and safety as far as natural products were concerned.



non-violence' continues to strike a chord among people of the world today." He added, Chinese and Indian civilization being one of the ancient wisdom and this legacy on either side of the Himalayas has many things in common such as the spinning wheel, age-old remedy for having good health and teachings of wise seers.

The occasion of Marathi Bhasha Gaurav Din coincided well in keeping the spirit of the seminar, by emphasizing the significance of language in Indian Culture. A small event "Vachu Anande" reading and reciting select Marathi

poems written by eminent poets of Maharashtra added the right flavour, colour and energy to the seminar. Padmashree and Sahitya Akademi awardee Dr. Ganesh Devy, Linguist and Literary Scholar, in the Special Address stated that Gandhiji believed that 'greed was the birth of violence.' He emphasized that "for harmonizing a better future we have to use Satyagraha as a political act by involving women and young adults to fulfill Gandhi's principles of economy and ecology." The invited speakers, in various ways reiterated India can be the great nation, Ms. Prerana Desai, Edelweiss Agriculture Services and Credit mentioned, spoke about preserving ancient practices, solving problems amicably. Shyam Pakhare, quoted "In any violent incident there are only men who lost life, as women always tend to follow non-violent path." He stated, 'Positive masculine's and positive feminism makes a complete human.' Ms. Swati

Prabhu, Research Fellow, MAKAIAS, Kolkata mentioned sustainable development meets the needs of the present without compromising the ability of future generations.

Mr. Aparajit Shukla, Author, Film maker in his valedictory address stated, "Gandhi makes us realize through Indian cultural history the importance of creativity, its originality, devotional spirit of virtue in order to reinvent social responsibility." Dr. Uma Shankar in her concluding remarks said, "this seminar was indeed a great collaborative experience along with MAKAIAS in relearning Gandhi's courage of conviction, truth, forgiveness, reconciliation and fearlessness." An article was reported on 28th Feb, 2020 in "The Indian Express" about the seminar reaching out its message to large readers.

One of the first conditions of happiness
is that the link between
man and nature shall not be broken.

-Leo Tolstoy



UTKARSHA

Utkarsha 2019 was organised on 2nd and 3rd January 2020 and every department of the college organised at least two events each and the students participated in these event with great enthusiasm. The events included Microexplore

exhibition, Knowledge Quiz, Talk by Rakesh Anand Bakshi, Best out of Waste, Treasure Hunt, Open Mic, Exploroid, Pschy Fair, E-Hunt, Free Blood Sugar Check-up, Chem-Psoter and Model Comepetition, Poster Competition on the life and journey of Mahatma Gandhi, Subramanya Bharti inter-collegiate Self-composed Poetry Recitation, 'Res Publica' a political poetry competition, CodeX were the various activities were conducted.



VISIONS

The annual intercollegiate festival, Visions was organised on 4th January 2020 with great zeal. Stepping into its 28th year, Visions' theme this year was Gravititas- The War Of Realms and was sponsored by Script: A Godrej venture.

The festival had a plethora of events distributed among portfolios, namely Performing Arts, Sports, Crossovers, Informals and Digitals such as CSGO, Open Mic, Freestyle, JAM, Hostage Hijack and Rink Football.

More than 100 students from colleges across Mumbai like St. Andrews, Wilson, Vivekananda, Podar, Kelkar and many more, came to participate in multiple events. The event recorded over 2000 footfall. There were a multitude of stalls selling Collectibles, Accessories and other exciting Goodies. The festival was a euphoric experience for the foodies with homemade popsicles, burgers, fries and other mouthwatering delicacies.

The Festival ended with an electrifying performances of Akhil Talreja for the EDM, the neon-themed evening and MH43 alongside Acoustic Soda for the Bollywood Night leaving the audience thrilled.



Gymkhana

Gymkhana activities started from 16th July, 2019 for the academic year 2019-2020. Intra collegiate competitions were conducted for Badminton, Carrom, Chess, Table tennis. Our students participated in the following inter collegiate tournament Athletics, BasketBall, Badminton, Boxing, Chess, Cricket, Carrom, Fencing, Archery, Gymnastic, Football, Kabaddi, Kho-Kho, Table Tennis, Taekwondo, Volleyball, Tug-of-war etc.

Events organized

- ▶ The annual athletic meet was held on 10th December, 2019 at the University Pavilion Sports Ground Marine Lines. A large number of students participated enthusiastically in this event. Track events and field events like high jump, javelin throw, long jump, shot put, 400m race, triple jump, discuss throw, Relay race, etc. were organized.
- ▶ A self-defense workshop for women was conducted on 23rd August, 2019 in association with Value Lab. The event was successful in delivering knowledge and technical know-how of defense mechanisms.
- ▶ Intra college tournaments for badminton and carrom were organized on 3rd and 4th December 2019.



Students' Achievements

- ▶ Ms. Bhavana V. Hegde, FYBA student, won a silver medal at University Boxing tournament held at RUIA College.
- ▶ Mr. Sairaj V. Hegishte, FYBSC student, won the silver medal at the University Boxing Tournament held in RUIA College.
- ▶ Ms. Vaishnavi Gujar, SYBA student, won the Bronze medal at the University Taekwondo tournament held in Khalsa College.

- ▶ Ms. Ashwin Iyer, FYBSC student, won the Silver medal at the University Taekwondo tournament held in Khalsa College.
- ▶ Ms. Vaibhavi Bapat, FYBMM student, participated in the Rhythmic Gymnastic tournament and secured a Silver medal in the Ball event, Bronze medal in the ribbon event and achieved 4th rank overall.
- ▶ Mr. Siva Subramanian of XII Arts won the Team Gold medal at National Level in Fencing.
- ▶ Ms. Ramya Patel of XI Arts won the Gold medal at District, Division and State level in Weightlifting. She is also selected for Nationals.
- ▶ Ms. Yuti Patel of XII Arts won gold medal in District and Division level Chess competition.
- ▶ Ms. Tannishta Dineshkumar, XIth Arts student won the Gold medal at the District and Division level and achieved 4th rank in state level.
- ▶ Mr. Shaikh Afzal, 12th Science student, plays Discus Throw and won the Gold medal at the District level and participated at Division level.
- ▶ Mr. Jion Simon, 11th Science student, won the Gold medal at the District level and participated at Division level in the 400M event.
- ▶ Mr. Arya J. Singh, 11th Science student, won the Gold medal at the District level and participated at Division level in the Boxing event.
- ▶ Ms. Charul Karle, 11th Science student, won the Gold medal at District level in karate event.



National Cadet Corps (NCC)

- ▶ Organised a blood donation camp on 1st February, 2020.
- ▶ The annual NCC event, Shakti Pradarshan was conducted successfully in the honorary presence of Army staff from 1 MAH BN on 23rd January, 2020.
- ▶ Aabhishan- a weapon exhibition was held to educate and inculcate curiosity among the students regarding the Armed forces on 9th January, 2020.
- ▶ Anti-Drug Day was celebrated on 26th June, 2019. The goal was to spread awareness about the usage of such toxic substances and a seminar about the same was also held.
- ▶ Yoga day was conducted on 21st June, 2019.

Students' Achievements

- ▶ CDT Pritam Debnath won the bronze medal for firing in Mumbai Games competition at Lakshvedh Rifle and Pistol Shooting Club in January 2020.
- ▶ CSUO Pratikesh Bangera was a part of the Maharashtra Drill Contingent for PM Rally conducted in New Delhi on 28th Jan 2020. He was also appointed as the senior-in-charge of the entire Maharashtra contingent for Republic Day Camp 2020.
- ▶ SGT Omkar Ganeshkar was a part of the Maharashtra Drill Contingent for the PM Rally (28th Jan 2020) conducted in New Delhi. He was also appointed as



the senior-in-charge of the entire Mumbai group for Republic Day Camp 2020.

- ▶ SGT Swaraj Bane was a part of the Cultural (singing) team representing Maharashtra Contingent on the eve of Republic Day Camp 2020 conducted in New Delhi. He had also been selected as the best cadet for representing the entire Mumbai group at IGC level at Pune.
- ▶ SIES NCC UNIT (CSUO Pratikesh Bangera, CSM Viki Khale, SGT Hemant Yadav, SGT Omkar Ganeshkar, SGT Swaraj Bane, L/CPL Rushikesh Jadhav, CDT Abhay Dubey, CDT Gaurav Bhoir, CDT Rohit Kamble, CDT Sujit Padwal, CDT Gaurav Shinde, CDT Pratik Chikane) won the 2nd Prize in Contingent Drill competition held at B.N. Bandodkar College of Science in coordination with 1 MAH BN at Thane in September 2019.
- ▶ SGT Swaraj Bane won the 2nd Prize for Best Cadet in Best Cadet Competition held at B.N. Bandodkar College of Science in coordination with 1 MAH BN at Thane in September 2019.
- ▶ SIES NCC UNIT (SGT Pranay Pawar, CPL Sahil Chavan, CPL Prakash Kadam, CDT Swapnil Hadawale, CDT Niraj Kanojia, CDT Adarsh Panchal, CDT Omkar Devare, CDT Mohammad Faizan Alam, CDT Abhay Dubey, CDT Kailas Kale) won 2nd prize in skit competition in CATC camp held at Khadavli August 2019.



- ▶ CPL Rushikesh Madhavi completed TSC-IGC in obstacles, judging distance, field signals, health & hygiene and map reading held at Amravati in August 2019.
- ▶ CDT Pratik Chikane completed TSC-IGC in obstacles, judging distance, field signals, health & hygiene and map reading held at Amravati in August 2019.
- ▶ CDT Gaurav Shinde completed TSC-IGC in Inter Directorate Shooting held at Amravati in August 2019.
- ▶ L/CPL Dhananjay Bomidi represented Mumbai group as the main flag area designer at RDC-IGC 2020 conducted in Pune after completing three sets of camps at Khadavli.



National Service Scheme (NSS)

- ▶ A Public Blood Donation Drive was initiated by the NSS Unit and it could successfully collect total of 370 units of blood from donors at Dadar Railway Station and Bandra Railway Station on 11th and 17th February, 2020.
- ▶ A Stem Cell Donor Registry Drive was organised to spread awareness about marrow donor registry, on 4th



February 2020 and 306 marrow donors were successfully registered.

- ▶ Lakshya Daayitva, an annual inter-collegiate festival with the theme 'Daayitva' (responsibility) was organized where in 15 Colleges across Mumbai participated on 13th and 14th January 2020. The event comprised of various competitions such as street play, poster making, mono acting, socio-cultural dance performance, etc. in the College premises
- ▶ The NSS Residential Camp for 7 days was organized at Gothegar Village, Asangaon, Maharashtra where the volunteers organized meetings, developed Compost Pit, restructured School Library, conducted workshop on Self-defence and Yoga, Health Check-up, painted classrooms. conducted interactive learning sessions on technological and social topics and even managed to cook food for themselves from 24th December 2019 to 30th December, 2019.
- ▶ A Blood Donation Drive was organized in the college premises in association with Sion Hospital Blood Bank on 13th September, 2019 and 5th December, 2019 and total of 371 units of blood were collected.
- ▶ An HIV Aids Awareness Drive was conducted in Sion – Dharavi area through Street Play and Rally on account of World Aids Day on 1st December, 2019.
- ▶ A Lung Cancer Awareness Drive was conducted in

association with D.S. Research Centre outside Kamarajar Memorial English High School, Dharavi on 27th November, 2019.

- ▶ A Beach Clean-up Drive was organized at Girgaon Choupaty, Charni Road on 14th November, 2019.
- ▶ A Beach Clean-up Drive was organized at Chimnai Beach, Bandra in association with Aarna Foundation and Shri Sathya Sai Seva Organisation on 2nd October, 2019.
- ▶ A Pulse Polio Drive was organized in association with Matunga Dispensary (BMC) to give polio vaccines to children in households from Sion area and at Dadar Railway Station from 15th September, 2019 to 20th September, 2019.
- ▶ Independence Day was celebrated in college with a patriotic group dance, patriotic group singing and mime on Beti Bachao-Beti Padao on 15th August, 2019.
- ▶ HIV AIDS Campaign was organized on 13th and 14th August, 2019.
- ▶ Guru Purnima Celebration where the NSS volunteers expressed their gratitude, love and affection to their teachers with small handmade token love was conducted on 16th July, 2019.
- ▶ An Anti-Tobacco Campaign, where the NSS volunteers took pledge to never consume tobacco nor promote its consumption, was organized on 11th July, 2019.
- ▶ A Beach Clean Up Drive, in association with an organisation named "Beach Please", was organized to understand about untreated waste and its effects on rivers on 30th of June, 2019.
- ▶ International Yoga Day was celebrated at the University of Mumbai, Fort Campus on 21st June, 2019 where the volunteers participated and performed yoga asanas.



Students' Council

- ▶ Organised a light-hearted event, Likhe Joh Khat Tujhe, on 11th and 12th February, 2020 wherein volunteers gave roses to students and faculty.
- ▶ Organised a Donation Drive from 13th December to 22nd December 2019 in association with NSS wherein students donated a list of things including Books, Stationary and Clothes.



Cultural Association

- ▶ Hogwarts Express, a quiz and treasure hunt based on the Harry Potter franchise was held on 2nd January, 2020 as part of Utkarsha.
- ▶ Twinning Day was held on 13th December, 2019 for all college students.
- ▶ Mr and Ms SIES, a personality pageant open for all the college students, was held on 12th December, 2019. The title of Mr SIES was won by Archit Shettygar-SYJC Arts and Ms SIES title was won by Fareha Kazi-SYBA.
- ▶ Traditional Day and Rose Day was held on 11th December, 2019. Formals and Chocolate Day was held on 12th December, 2019.
- ▶ 'In Memoriam', a concert was held as a tribute to Bharat Ratna Dr. M S Subbulakshmi on 11th December 2019. Ms. Siddhi Krishnan and Ms. Nithya Rajendran with the accompanist Mr. Aditya Rajagopalan and Mr. S. Balasubramaniam presented songs of M.S. Subbulakshmi. Ms. Shreya Mohan (vocal) and Mr. Suraj Subramanian (Instrumental) bagged the First Prizes. This event was partly sponsored by the PSA.
- ▶ Eco-friendly Ganpati Workshop, along with team KhulaAasman, was held on 27th August, 2019.
- ▶ Talent Mania, powered by Himalaya and Adlabs Imagica, an interdepartmental competition was held on 26th August, 2019. Rohak Nair, FYJC Arts, was announced Mr. Fresher and Ms. Adith Hegde, FYBMS, Ms. Fresher.
- ▶ Taiwanese Dance Workshop and guidance on Taiwanese culture was conducted by Taiwanese dance performers, on 19th July, 2019.



Value Lab

- ▶ The value of the month of March, 2020, 'Empathy' was taken up by the Department of Biotechnology. Under the title, 'A way of Developing Empathy in A Tech-Obsessed World', there was organized a poetry recitation on the issues of bullying, paper presentation on the deterioration of marine life and stressed upon the reason why one should be empathetic towards them.
- ▶ Some students expressed the need for being empathetic towards various people like those with rare genetic disorder, people of third gender and composed a group song related to the theme. PG students of Biotechnology spoke on the issues faced by the population belonging to the third gender and emphasized the need to respect and treat them with empathy.
- ▶ On 3rd March, 2020, Faculty member of Biotechnology Mr. Pramod Kamble, narrated a Marathi story based on 'empathy towards street kids and their need for education'. The event moderator Mr. Sampat Sambasivan, Assistant Professor, Department of Economics expressed his views on the need of empathy in the country towards all its citizens.



- ▶ The value of the month of February, 2020 was 'Democracy' and the Value Lab volunteers organised Student Symposium based on the 'Essence of Democracy' with topics such as Citizenship and National Identity; Civil Liberties & Denial of access to E-resources on 1st February, 2020.
- ▶ The value of the month of November, 2019 and January, 2020 was 'Fun.' In Utkarsha – Literary Fest, events such as 'Mini-amusement Park' a theme based individual and group games with value of 'Fun and joy' were organised and it received an over whelming response from both student and teacher participants on 3rd January, 2020.
- ▶ The value of 'Beauty' was engaged for a period from July to September to reach out to all students across all streams. Department of Zoology adopted this value and organised guest lectures. Mr. Tarun Menon, alumnus of the department, delivered a talk on 'Beauty of Uttarakhand' on 9th July, 2019. Mr. Pradip Patade, an expert in Marine Life spoke on 'Marine Life of Mumbai' on 18th July, 2019.
- ▶ The Value Lab volunteers approached teachers, students and requested them to pen down their 'Perspectives on Beauty' and these thoughts were displayed on a board at the college foyer for everyone to read and reflect on 22nd July, 2019.



Prajnya Vision

- ▶ In all 9 Visually challenged and 10 Learning disability students had enrolled in the centre during the academic year 2019-2020.
- ▶ On 28th January 2020 Tata Resource person Aditi & Harshala conducted interview for feed back and review on draft of disability policy for higher education..
- ▶ Prajnya Vision Centre Students attended a workshop, 'An Accessing Accessible', organised by St.Xavier's Resource Centre for the Visually Challenged (XRCVC) on 6th January 2020 in Thane. Students were given guidance on how to download and read the different kinds of books independently with the use of mobile phone.
- ▶ Aman Thakur from SYJC and Navneet Tiwari from SYBA won the second prize in Solo singing competition held at NES Ratnam college of Science & Commerce



Bhandup (w) Mumbai, on 14th December 2019.

- ▶ Scholarship awards ceremony was organized by 'Help the Blind foundation', to felicitate the successful students from Mumbai colleges on 17th December 2019. Manasa Ashok Kokku and Poonam Dhondiram Pol of TYBA, Ankit kumar Premsagar Tiwari FYBSC and Brijesh Kumar Pasi FYBA received the scholarship.



Rotaract Club

- ▶ RWW- Rotaract Women's Week was conducted from 2nd March 2020 to 8th March 2020 to celebrate womanhood wherein sanitary napkins and saris were donated and a seminar for girls on Women's Safety was held.
- ▶ Chaturanga, a chess competition for the visually impaired, was conducted on 2nd March 2020 wherein sighted individuals compete against visually impaired individuals.
- ▶ Maanavta, a wheelchair basketball tournament, was conducted on 23rd January 2020.
- ▶ Akanksha, a cultural festival for the underprivileged school students was organised on 29th and 30th December 2019.
- ▶ Talent Dikhilaja, a platform for the specially abled kids to showcase their hidden talents, was conducted on 9th and 30th November 2019
- ▶ Students' Professional Development Conference was conducted on 20th December 2019.
- ▶ On 12th September 2020 Computers and Blankets were donated to the Kawthewadi Village.
- ▶ P se Paatshala is a year long project wherein every month

seminars/ workshops are conducted for juvenile kids residing at Umerkhadi. This project helped the young girls in gaining knowledge about health and hygiene that has to be maintained during their menstruation period. More than 150 packets of Sanitary Napkins and a Vending Machine were donated through the project.

- ▶ Josh was an eight days long mega flagship project organized at 13 different locations, to create awareness on various social issues by performing flash mobs in various Ganapati Pandals.





Career Counselling and Placement Cell

- 'Ready for Corporates' by Ms. Shalini Game for the final year students of the college in association with Sasha Training Solutions on 14th and 25th January 2020 in different batches for final year students. A total of 190 students attended. The session included communication techniques, interview skills, image building, office politics and team work to enhance career opportunities in corporates.
- 'Emerging job opportunities in banking sector' was held



Jignyasa/Avishkar

- Five colleges participated in an intercollegiate poster presentation competition organized on Wednesday, 8th January-2020.
- Guest lecture on "Critical Thinking" by Principal Dr. Uma Shankar, on Tuesday 13th August-2019.

Participation in Avishkar Research Convention of the University of Mumbai

- In all 7 teams were declared as the Zone-II winners of Avishkar Research Convention of the University of Mumbai, conducted at Vivekananda College on 24th December-2019.



Nature Club

- Nature trail was organized to Bhuigaon, Vasai on 26th January 2020
- Lecture on "Fun with Birds" was organized and talk given by Mr Shashank Dalvi on 6th January 2020.
- Nature trail to Bhandup Pumping Station was organized on December 1st 2019.
- The Nature Club in association with the students council joined hands for a Noble cause to clean up Multilayer plastic (MLP) under the Safai Bank Program, which will be an ongoing program for 2020 onwards

by Mr. Tanuj Poddar, Financial Planning Academy on 14th January 2020. Overall 70 participants benefited from this session.

- 'Personality development program' for a group of selected 6 students between 5th and 14th November 2019 in association with Sasha Training Solutions. The sessions included communication skills – verbal & non-verbal, public speaking, grooming, relationship building, Leadership, dreams / goals / vision and resume making so as to crack interviews.
- 7 Companies visited the college between December 2019 to February 2020 & 16 Students were selected thru campus placement.

- Dr. Kamal Shrinivas, Department of Philosophy and Lynn Dlima, a research scholar, Department of Microbiology, were the guest speakers in interactive sessions at Avishkar Research Convention on 17th November-2019.
- Ms. Shama Todurkar, HOD, department of Psychology and student Ms. Gayathri Iyer jointly participated in the students guiding workshop. at K.J. Somaiya College of Arts Science & Commerce, Vidya Vihar, for Zonal round-II conducted on 16th August 2019.
- Mr. Pramod Kamble, Assistant Professor, Department of Biotechnology Won bronze meda in the final round at 14th Avishkar Research Convention: 2019-2020 for research project titled 'Ayurvedic plant extract: a panacea for bacterial infections' in Pure Sciences category in TH (Teacher) level.

- ANIPIX, a wildlife and Nature photography competition was organized. Around 115 entries for the competition were accepted. Mr. Gaurav Shirodkar, Photo editor for Natural history and Mr. Shurid Pawar, photographer were the judges for the event. 2 winners were declared alongwith 3 special mention certificates.



Centre For Excellence

- The Credit course toppers' convocation ceremony was held on 8th February 2020. 42 college students were felicitated in foreign language, online skill development & painting courses.
- An Utkarsha 2020 event of Centre for Excellence was launched on Friday, 3rd January 2020 by Principal Dr Uma Shankar along with Vice Principal Prof Vinod Menon. Three intercollegiate events were conducted and a total of 22 students participated from various colleges and 5 students received prizes.
- Career Guidance Workshop and LAUNCH OF UK Based ACCA Course was organized on 'Career Opportunities in Audit, International Taxation in India and Abroad' on Saturday, 7th December 2019. A total of 135 students from various colleges participated.
- Centre for Excellence, with the Dept of Commerce and Dept of Management Studies organized a One Day Mumbai Level Symposium on 'Dynamics of Financial Systems in the Digital Era' under the theme 'Train the Trainer' with Financial Planning Academy on 5th December 2019. A total of 53 staff and students from various colleges of Mumbai participated.
- The Certificate and Diploma Course in Painting (Autonomous Credit Course) Project models and evaluation was held on 12th December 2019 under the guidance of the trainer Mrs Pragna Doshi.
- 12 hours of career based hands on training programme on 'Advanced Excel' was held on 16th, 19th and 23rd February 2020 in association with Ocean-Infotech, a total of 8 students were trained.
- Centre of Excellence and the Politics Association conducted an 'Orientation Lecture on UPSC & MPSC Examinations' on 5th February 2020. Total of 75 students had participated in the session.
- A workshop on 'Basic Skills in Microsoft Office' for TYBSc Biochemistry (3 Units) students was held on 6th February and 2nd March 2020. A total of 29 students participated in this training programme.

Centre for Excellence and Placement Cell jointly organized the activities such as

- Free workshop on 'Get ready for the Corporates' by Mrs Shalini Gamre for the final year students of the college

in association with Sasha Training Solutions on 14th and 25th January A total of 190 students participated in the workshop.

- An interactive session on 'Emerging Job Opportunities in Banking Sector' which was held by Mr Tanuj Poddar, Financial Planning Academy on 14th January 2020. Overall 70 participants benefited from this session.
- 12 hours of power packed 'Personality Development Programme' for a group of selected 6 students between 5th and 14th November 2019 in association with Sasha Training Solutions.
- A Workshop on 'Leadership and Success' in association with Sasha Training Solutions was held by Mrs Shalini Gamre on 18th August 2019 enthusiastic student volunteers of SIES SWAYAM - NPTEL LOCAL CHAPTER to enhance their leadership qualities. A total of 33 student representatives were trained.
- An Orientation Programme on innovations titled 'Introduction to Systematic Method towards Problem Solving Using TRIZ' in TRIZ Association of Asia for all science undergraduate and postgraduate students in batches were held on 9th and 10th August 2019. A total of 222 students had participated in the workshop.
- Centre for Excellence and SIES SWAYAM NPTEL Local Chapter students team organized a free orientation programme titled 'SIES Online and Offline Course Orientation 2019' for all SIES College students on 16th July 2019 in two batches. A total of 160 keen learners from first year and other classes attended the session.

Faculty Developmental Programs

- TRIZ Level – 1 Certification funded by UGC: A 30 hours course as Faculty Development Programme on INNOVATIONS titled 'TRIZ Level – I Certification' was held between 16th and 23rd February 2020 at SIES College of Arts, Science & Commerce, Sion West, Mumbai – 22 which was hosted by Centre for Excellence and Department of Chemistry in association with TRIZ Association of Asia, Patent Designing Consultancy company under UGC Scheme.
- A workshop was organized jointly by the Centre for Excellence and SIES Central Training Department (CTD) in association with Ambition Learning Solutions on 18th October 2019. Overall 39 participants attended this workshop.

- ▶ Advanced Excel: Centre for Excellence under UGC Scheme organized a two days faculty development programme on 'Advanced Excel' on 22nd and 23rd August 2019 in association with Ocean – Infotech under UGC Scheme. A total of 25 staff members were trained.
- ▶ A Faculty Training Programme on INNOVATIONS titled 'Introduction to Systematic Method towards Problem Solving Using TRIZ' under UGC Scheme was held on 10th August 2019. A total of 29 staff members had participated.
- ▶ A two days workshop in Basic Spreadsheet Techniques titled 'Data handling and organisation through Spreadsheets' was organized by IQAC for all staff members on 19 and 20th July 2019. A total of 40 staff members benefitted.
- ▶ Centre for Excellence under UGC Scheme organized a workshop for staff members on Basic and Advanced Computer Skills titled 'Advanced Computer Skills to operate Desktop System for ICT enabled Teaching' on 23rd and 24th April 2019 in association with Ocean-Infotech under UGC Scheme. A total of 45 staff members were trained.

Students' Participation in Seminars/ Workshops/ Field Visits

- ▶ Internship and Placement through NPTEL – INTERNSHALA collaboration took place to provide internship opportunities to all the students. In all 77 students were benefited.
- ▶ 3 students attended and successfully qualified the laboratory workshop titled 'Techniques in Organic Chemistry (Advance)' conducted by IISER, Pune from 1-6th June 2019.

Students' Achievements

- ▶ Mr Prem Kumar Raju and Ms Nandini Singh from TYBCom won First Prize for the poster presentation titled 'Internship for Undergraduates' under the category 'Commerce and Management' during the intercollegiate events of JIGNYASA – Research hub of SIES College of Arts, Science & Commerce held on 8th January 2020.
- ▶ Mr Inbasagar Nadar and Ms Piyushi Jain from TYBSc won First Prize for the poster presentation titled 'Digital Attendance System' under the category 'Physical and Chemical Sciences' during the

intercollegiate events of JIGNYASA – Research hub of SIES College of Arts, Science & Commerce held on 8th January 2020.

- ▶ 14 Students were NOC Toppers of SIES SWAYAM NPTEL Local Chapter 268 during the academic year.



Internal Quality Assurance Cell (IQAC)

Student Activities

- ▶ The Student's Symposium was organized on the 'Essence of Democracy' along with Value Lab, on 31st January 2020.
- ▶ On the eve of National Mathematics day, the seminar on Data Sciences-Careers and Paths ahead was organized jointly with the Mathematics Department and Greyatom Institute, on 23rd December 2019.
- ▶ Online Student Satisfaction survey was conducted. Students were given a chance to opine on curricular and co-curricular aspects, examinations, infrastructure and learning resources. The orientation session for the first year students was organized in the month of June 2019.

Staff Activities

- ▶ One day workshop on Academic Data Management was organised on 4th December 2019. 40 faculty members attended it. Dr. Bhalchandra D Bhole, former Head, Department of Microbiology, Abasaheb Garware College, Pune guided the members.
- ▶ Training in data management using Excel, training the faculty members in data management using Excel was organized.
- ▶ An Interactive session on Teacher orientation and introduction to Revised guidelines of NAAC was Conducted.
- ▶ Jointly with the Centre for Excellence, the Workshop on, 'Advanced Spreadsheet Techniques' was organized for the college teachers on 22nd and 23rd August 2019. The workshop was partially sponsored by UGC.
- ▶ Two day workshop on Basic Spreadsheet Techniques was conducted on 19th and 20th of July 2019 for teachers. 31 faculty members attended the same.



Institutional Social Responsibility (ISR)

- ▶ As a part of ISR activity the college continued the 'apron stitching project' for financially empowering the villagers of Kathewadi. A total of 979 aprons were sold at SIES, St Xavier's College, Jai Hind college and Kirti College.
- ▶ A cultural programme was organized for school kids at Kathewadi on 6th February 2020. Coloring books, stationery, water bottles and blankets were distributed.
- ▶ 'Talent Dikhlaja', a platform for the specially-abled kids to showcase their hidden talents, was organised in association with Rotaract from 9th to 30th November 2019.
- ▶ Computers and Blankets were donated to the Kathewadi village on 12th September 2019.
- ▶ Various workshops were conducted yearlong starting July 2019, for the kids residing at Juvenile Centre in Umerkhadi. Donations were made of various materials and a donation of sanitary napkins was done on a monthly basis.
- ▶ Donations of toys, stationery and clothes were done

every quarter to the underprivileged schools of Sion-Dharavi Area.

- ▶ The Dept of English organised ISR visit to 'Anudanit Prathmik va Madhyamik Ashram Shala' at Gothegar in Shahpur Taluka on 25th December, 2019. Activities such as, origami, 'hanky game', and thread painting were conducted for the children.
- ▶ Psychology association raised an amount of Rs.20,000 to support the 'Deepasthambh Foundation' in a fund-raising fair named 'Monday with Maslow' on 27th January, 2020.
- ▶ The Rotaract club of SIES, as a part of their ISR activities, Akanksha, P se Paatshala, Josh and Donazione were organized during the academic year.
- ▶ A One day Workshop on 'Digital Awareness for Women' was organized on 20th January 2020. The workshop was funded by the Maharashtra Mahila Aayog ans saw an attendance of more than 150 women participants.
- ▶ Intra-collegiate essay and poster competition on 'Legal Awareness' was organized as part of Utkarsha 2020.
- ▶ A Guest Lecture by Mr. Dolphy D'Souza an activist at Common Wealth Human Rights Initiative on 'Police and

'You-Know your Rights and Better Policing Campaign' was organized on 19th December 2019.

- ▶ Mr. Nikhil Mahadeshwar, Director at Icatch Infosec Pvt. Ltd., expert on Cyber Security and certified Threat Intelligence Analyst, delivered a lecture on the topic 'Towards a Digitally Secure India' on 27th August 2019.



Staff Colloquium

- ▶ First staff colloquium was held in August 2019. The topic was 'The Kashmir Conundrum' and the lecture was delivered by Dr. Rashmi Bhure, Vice Principal and HOD, Politics Department. The government had just abolished Article 370 on the 6th of August 2019 which had resulted in an uproar of sorts. Since it was the current topic, a lot of in-depth insight was given on the topic by Dr. Rashmi in her presentation.



Library

- ▶ During the Academic Year 2018-2019, 787 Books were added to the collection. The Library subscribes to 161 Journals and Magazines, 17 News papers, and 13 e-journals are available to all readers. The library also provides Books and study materials through the Book Bank scheme.



Nirmitee Kendra

- ▶ The Nirmitee Kendra is the Entrepreneurship Cell and Skill Hub of the College, established and funded by RUSA. It was digitally launched by the honourable Prime Minister on 3rd February, 2019. The SIES College of Arts, Science & Commerce was one among the sixty-six colleges across the country which received a grant under the scheme. The project envisions to develop skills among students and create successful entrepreneurs. With this in mind, SIES Nirmitee Kendra conducted

The lecture was held in collaboration with the Political Science Association.

- ▶ Founder and CEO of, One Future Collective, Ms. Vandita Morarkar, guided the audience on the 'Sexual Harassment Laws in India' on 29th July 2019.
- ▶ On 9th April 2020, during the lockdown situation due to COVID-19 Pandemic, Dr. Manju Phadke from the Department of Microbiology gave a colloquium on 'CORONA: The king of pandemics'. This colloquium was the first of its kind, that was conducted via Zoom meeting app. The session was informative and interactive.
- ▶ Ms. Shama Todurkar, HOD Psychology, delivered a talk on 'Corona Pandemic: Psychological Perspective' on 20th April 2020 in a Zoom Meeting Session. Many doubts and queries of the staff members were answered by Ms. Shama Tondurkar in this interactive session.

- ▶ Online Catalogue to the libraries rich collection as well as links to e-resources are available through the college website, also Inlibnet access is provided to all the registered users.
- ▶ Screen savers of new arrivals are displayed to bring the new acquisition to the attention of the Readers. Newspaper clippings of topic of interest were displayed on the notice board.
- ▶ To enhance the security and services of the library, RFID system was introduced.

various activities in 2019-20:

- ▶ A two-day bootcamp, Millionaires in the Making, was held for UG and PG students and staff members from different departments on 12th and 18th December, 2019. Two students have been selected from the bootcamp for the finals of Avishkar 2019-20 competition organized by the University of Mumbai.
- ▶ A Creative Writing Workshop was held for SYBA and TYBA students on 20th November, 2019.
- ▶ A 30-hour multidisciplinary workshop on The Art of Reasoning and Critical Thinking was held for UG students on 18th November, 2019.
- ▶ A workshop on Self-Defence was held for UG students

across department from 16th October- 5th December, 2019.

- ▶ A workshop on Soft Skills Development was held for UG students across departments from 16th October- 26th November, 2019.
- ▶ A certificate course on Nature Aquascaping was conducted for TYBSc students on 28th July, 2019.
- ▶ A workshop on Ideas/Innovation for Start Ups, Funding and More was organised for UG students on 17th July 2019.
- ▶ A 15-day course on Vertical Gardening was organised for TYBSc Botany students on 18th June, 2019.
- ▶ Phase II of INNOVATIA, a business idea pitching event for UG students from different departments, was organised on 4th May, 2019 where students got the opportunity to present their innovative ideas. Proposals



Rashtriya Uchchar Shiksha Abhiyan (RUSA)

- ▶ Conducted 05 training programmes, 03 workshops and start up activities for students under the Nirmitee Kendra.
- ▶ Library –purchase of new books, journals and RFID security system.
- ▶ Renovated Academic Building.
- ▶ Renovated two Multimedia rooms & one Virtual Room classroom.



Biochemistry

- ▶ During the Academic Year 2016-2017, 853 Books were added to the collection. The Library currently subscribes to 173 Journals and Magazines, 16 newspapers. 2249 E-books and soft copies of articles on astronomy are available to all the readers.
- ▶ Readers Tickets were issued to 2775 students. INFLIBNET services were provided to 164 users. The average number of page views were 7628.
- ▶ 63 Books were issued to 10 students under the Book Bank Scheme
- ▶ Book Displays were organized on topics such as - Career Options, Biotechnology, Microbiology, Botany, Zoology,

on organic herbal shampoo, bamboo water bottles and smart eye for the visually challenged were selected as the best three business ideas.

- ▶ The College was granted Rs. 5 crores from the Rashtriya Uchchar Shiksha Abhiyan (RUSA). The first instalment of Rs. 2.5 crores was released under which in this academic year the college has initiated the following academic activities and infrastructural projects –
- ▶ The Department of Sciences organised a two day International Conference on Natural Products-Quality, Safety and Efficacy on 6th and 7th March 2020.
- ▶ The Department of Humanities organised a two day International Inter-disciplinary Seminar on Mapping Indian Diaspora: Issues and Perspectives on 13th and 14th December 2019.

- ▶ Created Nirmitee Kendra.
- ▶ Creation of New Bio Analytical Lab and purchase of equipment's.
- ▶ Created two vertical garden walls.
- ▶ Renovated Physics, Psychology & Tally Lab.
- ▶ Renovated Girls & Boys Toilet on Ground, First & Fourth Floor.
- ▶ Purchased nine computers for online examination and seven printers for examination.

Biochemistry, Politics, Commerce, and Management to create awareness among students towards the collection present in the library.

- ▶ OPAC can be accessed through the college website and screensavers of new arrivals are displayed to bring the new acquisition to the attention of the Readers.
- ▶ Newspaper clipping of topic of interest were displayed on the notice board
- ▶ The Career Guidance session was conducted for the students of TYBSc on 9th March, 2020.
- ▶ Students of Food Technology and Nutraceuticals presented a Food stall "Nutra Bazaar" at the International Conference on Natural Products – Quality, Safety and Efficacy organized by SIES College of Arts, Science and Commerce, of the new nutraceutical products developed by the students in their 'New Product Development' project on 6th and 7th March, 2020.

► The Department of Biochemistry in Collaboration with the Centre for Excellence conducted a 'Workshop on Basic Skills in Microsoft Office', an introductory course on the basic functions of Microsoft Office, on 6th February and 2nd March, 2020.

► Industrial Visit to Nashik-Saputara; Students of TYBSc and MSc visited Sula Wines and Sahyadri Farms during the course of their trip from 23rd -25th January, 2020.

► Students of Food Technology and Nutraceuticals, Biochemistry, Microbiology, Biotechnology and Life Science Departments. (30 students) conducted an Inter-Collegiate HACCP Internal Auditor Awareness & FoSTaC Training Program on 6th and 7th January, 2020. HACCP is used primarily in every sector of the food manufacturing and processing industry. This program aims at understanding the purpose, guidelines for application of HACCP Principles. Developing HACCP plan, assembling the HACCP Team, Implementation and maintenance of HACCP Plan. Understanding the legal implication, statutory requirement and benefits of HACCP compliance. General Sanitary & Hygiene Practices to be followed by Food Business Operators and GMP/GHP.

Resource person:

1. Dr. Manasi Bhagwat, PhD Chemistry, Lead Auditor FSMS, QMS, Quality and Food Safety Consultant.
2. Ms. Yogita Salunkhe, Manager – Envirocare Labs Pvt. Ltd, Thane.

► Food Technology and Nutraceuticals conducted an Inter-Collegiate level Workshop on "Sensory Evaluation of Food: Principles and Practices" on 18th December, 2019. To gain knowledge regarding the principles of sensory science, human senses and how they are used in sensory evaluation. Understanding the importance of subjective sensory evaluation activities in the food and beverage industry. To understand, perform practical experiments and to evaluate various types of descriptive and different tests in sensory evaluation. To understand the overview and scope of sensory evaluation as a profession.

Resource person:

1. Mr. Ritesh Mathur (Director F2F Food and Beverage Consultants)
2. Ms. Mayuri Bane (Assistant Professor, Food Technology and Nutraceuticals)

► One day visit to ACTREC; Students of TYBSc and MSc had a one day visit to the labs at ACTREC on 28th November, 2019.

► Students of Food Technology and Nutraceuticals,

Biochemistry, Microbiology, Biotechnology and Life Science Departments. (49) organized a Seminar on "Role of Nutrition and Nutraceuticals in Health and Disease" on 13th July, 2019. To understand the importance of nutraceuticals in prevention of diseases. Encouraging and motivating students to research on nutraceuticals and its active constituents.

Resource person:

1. Dr. R.K Sanghvi (Practising Clinician and Chairman-Medical Committee and Nutraceutical Committee, IDMA)

Students' Participation in Seminars

► Ms Swati and Ms Soumya Subramaniam participated and presented a poster titled 'Attenuation of Methotrexate-induced toxicity by Tagetes erecta extract in Danio reiro model system' in the International Conference 'Natural Products -Quality, Safety and Efficacy' on 6th and 7th March, 2020 organized by SIES College of Arts, Science and Commerce under the aegis of Rashtriya Uchhatar Shiksha Abhiyaan, Ministry of Human Resources, Govt. of India

► Mr Amit Patil and Ms Pranali Mahadik participated and presented a poster titled 'Modulation of monosodium glutamate-induced embryonic hepatotoxicity by natural antioxidants -A study using chick embryo model in the International Conference 'Natural Products -Quality, Safety and Efficacy' on 6th and 7th March, 2020 organized by SIES College of Arts, Science and Commerce under the aegis of Rashtriya Uchhatar Shiksha Abhiyaan, Ministry of Human Resources, Govt. of India

► Mr Amit Patil participated and presented two posters titled 'Shelf life extension of Rohu (Labeo rohita) steaks using Hurdle technology at chilled storage' and 'Extraction and detection of lycopene in tomato and tomato ketchup by using TLC' in the International Conference 'Natural Products -Quality, Safety and Efficacy' on 6th and 7th March, 2020 organized by SIES College of Arts, Science and Commerce under the aegis of Rashtriya Uchhatar Shiksha Abhiyaan, Ministry of Human Resources, Govt. of India

Students' Achievements

► Students of Food Technology and Nutraceutical developed nutraceutical products under their course work and presented the products at the food stall

'Nutrabazaar' at the International Conference 'Natural Products -Quality, Safety and Efficacy' on 6th and 7th March, 2020 organized by SIES College of Arts, Science and Commerce under the aegis of Rashtriya Uchhatar Shiksha Abhiyaan, Ministry of Human Resources, Govt. of India.

Biotechnology

Guest Lecture

► "New Horizons in life science" by Dr. Tina Jubin, *Medical Scientific Liaison Manager, Abbott Diagnostics Division* on 29th February, 2020.

► "Animals for Biomedical Research" by Dr. Arvind Ingle, *OIC, Laboratory Animal Facility, ACTREC* on 11th February, 2020. The lecture was conducted under the aegis of Indian Women Scientists' Association (IWSA) supported by BRNS-DAE. (Board of Research in Nuclear Sciences, Department of Atomic Energy)

► Dr. Rajalakshmi Amudan lecture series- Department in association with the PSA (Past Students Association) of College organized lectures series, by four of the alumni for the current batch of the students on the subject of, "Opportunities in Biotechnology" on 21st December, 2019.

1. Mr Mukund Shankar, *Manager, Projects, Scigenics (India) Pvt. Ltd.*
2. Dr Swati Jadhav, *Team leader, Advanced enzymes Ltd.*



► Nine students of Food Technology and Nutraceuticals were placed for internships at various nutraceutical companies in the department of regulatory and market research through the Expert Nutraceutical and Advocacy Council.

3. Mr Rajesh Yadav, *CEO and Founder of Aerobiosys Innovations Pvt Ltd.*

4. Ms Neha Pawar, *Water Sanitation and Hygiene specialist (WASH)* engaged in diverse careers addressed the students during the lecture series.

► A lecture on SPSS was delivered by Ms Anisha James, *TCS* on 28th September, 2019.

► Program titled as BT talks was organized under which, the alumni of the department were invited to deliver talks. Ms.Disha Hiregange, *TIFR spoke on 'PIDDosomes'*, on 10th August, 2019. Shubakanka Manna, *JRF, ACTREC spoke on 'Cancer prevention'*, on 20th July, 2019.

Students' Participation in Seminars/ Workshops/ Field Visits

► The Department of Biotechnology in collaboration with the Value Lab conducted activities on the value of the month of February 2020, on the value of 'empathy'. Issues of Bullying in colleges, deterioration of marine life, empathy towards rare genetic disorders and empathy towards issues faced by third gender were some of the topics students chose for their presentations.

- ▶ SYBSc and MSc part I students visited Sula wines Pvt Ltd, Nashik, on 21st February, 2020. to study the industrial production of various types of wines.
- ▶ TYBSc and MSc part I students visited Gowardhan Dairies Pvt Ltd, Manchar, on 19th February, 2020, to observe the commercial production of various types of cheese and their packaging.
- ▶ Students of TYBSc visited Radiation Medicine Centre, TMH on 9th January, 2020, where they observed various techniques such as Radioimmunoassay, PCR, ELISA to name a few.
- ▶ Intercollegiate festival 'OPERON' was conducted under the aegis of Utkarsha on 2nd January, 2020 which saw a participation of around 500 students across Mumbai.
- ▶ TYBSc students visited ACTREC, Kharghar on their Open day on 28th November, 2019.
- ▶ The Department conducted three day workshop on 'Basic techniques for understanding epigenetics' for the teachers from various colleges across Maharashtra. during 28th and 30th November, 2019. Funding of Rs. 3,21,000/- was received from, Lady Tata Memorial Trust under the 'Teachers training programme', for purchasing the equipments and reagents required to conduct the workshop.
- ▶ TYBSc students participated in a workshop on 'Chromatographic Techniques' organized at Institute of Chromatography, SIES, Nerul held on 7th, 8th and 11th November, 2019.
- ▶ Students of MSc participated in the workshop on HPLC and GC organized at Institute of Chromatography, SIES, Nerul held on 21st September, 2019.
- ▶ TYBSc students visited SIES Institution of Chromatography and Spectroscopy, Nerul for demonstration of HPLC and GC on 12th August, 2019.

Botany

- ▶ Herbal garden of the SIES college campus was cleaned and re-structured and labelling of plants was carried out in the herbal garden during 27th February to 29th February, 2020.
- ▶ Vertical Wall Garden of the SIES college campus was re-installed during 6th February to 20th February, 2020, as it was dismantled due to campus renovation work.

Students' Achievements

- ▶ Ms. Yukta Mahashabde scored 87% and ranked among the top 2% in the subject Biomedical nanotechnology, NPTEL online certification.
- ▶ Ms. Sayli Dabhade scored 82% and ranked among the top 5% in the subject Human molecular genetics, NPTEL online certification
- ▶ Mr. Mihir Pradhan scored 77% and ranked among the top 5% in the subject Human molecular genetics, NPTEL online certification. These students were felicitated at the awards function conducted by NPTEL on 8th January 2020
- ▶ Department of Biotechnology received the Best Department Award at the function conducted by NPTEL 8th January, 2020
- ▶ MSc part I student Ms Nabeela Quraishi delivered presentation on Rhizobacterial siderophores in Bioremediation' at the international conference on Plant Biofactories: Strategies and Challenges held at Ruia College between 19-21 December 2019
- ▶ Eight research projects were presented by the MSc and TYBSc students at University of Mumbai Research convention AVISHKAR held at VES College Chembur on 24th December, 2019. Three projects went upto the final round.
- ▶ Mihir Pradhan, Rithika Shetty, Nikita Savanur, Rutuja Wakchaure, Yukta Mahashabde, Sayali Joshi, the students of SYBSc won the best college trophy in the intercollegiate festival "Biozest" organized by Patkar College.
- ▶ SYBSc students participated in a workshop on 'Chromatographic Techniques' organized at Institute of Chromatography, SIES, Nerul held on 16th, 17th 18th December 2019.
- ▶ Parent Teacher Meeting was conducted for the students of TYBSc on 11th January, 2020.
- ▶ Two events were organised during the Botany Department festival - Kalpavriksha on 2nd and 3rd January, 2020.
- ▶ Star grant activities including new practicals, projects and screening of documentaries related to plant life were carried out for FYBSc students in the month of January, 2020.
- ▶ Two vertical green walls were constructed - one at the back wall of the SIES college campus and other at the front gate entrance from Monday, 26th August to Wednesday, 28th August, 2019.

- ▶ Practical sessions on Vertical Wall Gardening was conducted from 22nd July to 25th July, 2019 for students of TYBSc-AC- Horticulture.
- ▶ Under the scheme of RUSA grant, a value added course on Vertical Wall Gardening was introduced and a lecture series on the same was conducted between 18th June and 30th June, 2019.

Students' Participation in Seminars/ Workshops/ Field Visits

- ▶ Miss Sejal Zagade (MSc-II) presented a poster entitled 'In vitro cultivation and phytochemical analysis of Indian medicinal plant Vitex negundo.' co-authored with Dr. Mahavir Gosavi in the International Conference 'Natural Products- Quality, Safety and Efficacy' on 6th and 7th March, 2020 held at SIES College of Arts, Science and Commerce (Autonomous).
- ▶ Miss Priyanka Mahanty (MSc-II) presented a poster entitled 'Phytochemical Evaluation of Traditionally Important Plant Sida Acuta Burman F. (Common wireweed)', co-authored with Dr. Mahavir Gosavi in the International Conference 'Natural Products- Quality, Safety and Efficacy' on 6th and 7th March, 2020 held at SIES College of Arts, Science and Commerce (Autonomous).
- ▶ Miss Sumitha Nair (MSc-II) presented a poster entitled

'Ailanthus excelsa Roxb.: A potential source for green synthesis of silver nanoparticles', co-authored with Dr. Neeraja Tutakne in the International Conference 'Natural Products- Quality, Safety and Efficacy' on 6th and 7th March, 2020 held at SIES College of Arts, Science and Commerce (Autonomous).

- ▶ Miss Mallika Naidu (MSc-II) presented a poster entitled 'Study of antioxidant activity and extraction of phytochemicals from vegetables and fruits waste', co-authored with Dr. V Vishnuprasad in the International Conference 'Natural Products- Quality, Safety and Efficacy' on 6th and 7th March, 2020 held at SIES College of Arts, Science and Commerce (Autonomous).
- ▶ Miss Kirthika Sivasubramanian (MSc-II) presented a poster entitled 'Trees as natural source of air pollution control', co-authored with Dr. V Vishnuprasad in the International Conference 'Natural Products- Quality, Safety and Efficacy' on 6th and 7th March, 2020 held at SIES College of Arts, Science and Commerce (Autonomous).
- ▶ Miss Nazmeen Khan (MSc-II) presented a poster entitled 'Cytotoxic effects of synthetic PGRs on plant cell mitosis' co-authored with Miss Snehal Unde in the International Conference 'Natural Products- Quality, Safety and Efficacy' on 6th and 7th March, 2020 held at SIES College of Arts, Science and Commerce (Autonomous).



- ▶ Excursion to Coastal and Marine Biodiversity Centre, Airoli was conducted for MSc students on 19th February, 2020.
- ▶ Excursion to Karnala Bird sanctuary and Go-Green nursery was organised for FY, SY, TY and MSc students on 31st January, 2020.
- ▶ Excursion to Mahabaleshwar, Panchgani and Wai was conducted for the students of SY, TY and MSc from 19th to 21st December, 2019.
- ▶ One day field visit to Palasdhari was conducted for SY, TY and MSc classes on Friday, 23rd August, 2019.
- ▶ One day garden visit was organized to Dattaji Salvi Udyan, Kopri, Thane for TYBSc Horticulture students on Monday, 19th August, 2019.
- ▶ Excursion to Tansa Wildlife Sanctuary, Asangaon was

conducted for M.Sc. Botany students on Saturday, 17th August, 2019.

- ▶ As a part of Vertical Wall Gardening course, the field visits to Vriksha Nursery, Viacom – 18 and Baijnath Landscaping Solutions were conducted for TYBSc – Applied component students on 29th June, 2019.

Students' Achievements

- ▶ Miss Leance Mendonsa published a research paper entitled 'Comparative Ecological Analysis of five freshwater lakes in and around Mumbai, India', co-authored with Dr. V Vishnuprasad, in the Journal of Ecology and Natural Resources (ISSN: 2578-4994) Medwin Publishers, Volume 3, Issue 4, 000178.

- ▶ In collaboration with Indian womens Scientists Associations, a lecture on 'IR Spectroscopy' was delivered by Prof. Sanjay Wategaonkar, Senior Professor, Chemical Sciences, TIFR, Mumbai, on 29th February 2020.
- ▶ An Intercollegiate event 'Chem-Skit' and 'Poster Competition' was organised as part of Utkarsha on 2nd January 2020.
- ▶ Students' Participation in Field Visits/ Seminars/ Workshops:

Chemistry

- ▶ A guest lecture was organized, in collaboration with the Science Association on "An Eagle eye on periodic table progression" by Mr. Rupesh Gaikwad, Assistant Professor, Chemical Sciences, M.D. College, Mumbai was organized on 9th February 2020.



- ▶ 32 students and 1 staff member from the Chemistry department attended a One-Day Symposium on "Career and Opportunities in Biophysics" conducted by the Department of Biophysics at the University of Mumbai, Kalina on 7th March 2020.
- ▶ Industrial Visit was organised for the SYBSc Chemistry students to Silvassa on 17th February 2020 and 20th February 2020. The industries included Universal Cosmetic Products and Man – G Food products.
- ▶ A One-Day Institutional Visit was organized for the B.Sc and M.Sc Chemistry students to the Institute of Chemical Technology on 17th January 2020.
- ▶ 7 students attended a workshop organized by the Chemistry department of St. Xavier's College in association with ISMAS and RUSA on 15th and 16th November, 2019 for UG & PG students.

Commerce

- ▶ Mr. Pramod Kamble, Dept of Bio-technology, delivered a talk on 'Application of Biotechnology in Medicine and Healthcare' for SYBCom students on 20th February, 2020.
- ▶ As a part of Utkarsha, 'Game of Start-ups'(developing business proposals)and 'Bulls of Wall Street'(stock market knowledge), inter-collegiate games were organised on 2nd & 3rd January, 2020.
- ▶ Online Slogan Writing Competition on 'Save Environment Save Mankind', an intra-collegiate digital event with 16 participants to create awareness and sensitize the students about caring for the environment was organised on 12th December, 2019.
- ▶ One Day Symposium on 'Dynamics of Financial Systems in the Digital Era' attended by 56 participants including students and teachers across Mumbai was organised in association with Financial Planning Academy on 5th December, 2019.
- ▶ Certificate Programme on 'Fundamentals of Capital Market' certified by Bombay Stock Exchange in association with Finmark Trainers India Pvt Ltd was conducted in SIES College of Arts, Science and Commerce, Sion (W) from 14th to 16th October, 2019.
- ▶ The 'Ad Mad Show', an intra-collegiate advertisement making competition consisting of 12 teams to test creativity, persurance, presentation and marketing skills of participants was organised on 16th September, 2019.

- ▶ A One-Day workshop on 'Application of Atomic Absorption spectroscopy: Metal Analysis' was conducted by Dr. Jayram Gholve, Assistant professor, Sardar Patel College of Engineering for T.Y BSc., M.Sc. students on 19th October, 2019.
- ▶ 100 students from Chemistry (FY B.Sc., S.Y B.Sc., TY BSc. and M.Sc. Part -I) department had attended the Aptitude test organized by the Indian Chemical Society on 15th September 2019 at Ruia College, Mumbai. Four students figured in the 28th, 67th,80th and 89th positions of the top 100.
- ▶ A One-Day Institutional Visit under DBT STAR Scheme was organized for the TYBSc Chemistry students to the School of packaging SIES-Indian Institute of Environment management and SIES Institute of Chromatography and Spectroscopy, Nerul on 20th June 2019.

- ▶ Digital Poster Making Competition on environmental issues of 'Amazon Forest Fire' and 'Save Aarey', to develop care and concern towards nature, was organised on 10th September, 2019.
- ▶ 'Brand IQ Version 3.0', an intra-collegiate competition consisting of 21 teams to test the participant's knowledge and awareness about local and global brands in industry and the area of operations was organised on 30th July, 2019.
- ▶ The Commerce Association began its events by a guest lecture from our 1993 BCom alumni CA Anand Krishnamoorthy, Director, Capita India Ltd on 'Leveraging Commerce Education into the Corporate World' on 16th July, 2019.

Students' Participation in Workshops/ Field Visits

- ▶ Workshop on 'Career Opportunities in Audit, International Taxation in India and Abroad' was conducted for 116 students in association with Financial Planning Academy and Association of Chartered Certified Accountants (ACCA) on 7th December, 2019.
- ▶ An Industrial Visit was organised for 56 students of First Year, Second Year and Third Year B.Com along with 4 staff members to Jodhpur Dairy (Saras Milk Factory), Jodhpur, Rajasthan from 12th to 16th November, 2019.

Students' Achievements

- ▶ Ms. Pranali Rao from SYBCOM A won 2nd Prize in Open State Taekwondo Championship, Sangli organised



by Late Rajaram Bapu Charitable Trust, Sangli on 16th February, 2020.

- ▶ Ms. Komal Pol from SYBCOM A won 2nd Prize in Open State Taekwondo Championship, Sangli organised by Late Rajaram Bapu Charitable Trust, Sangli on 16th February, 2020.
- ▶ Ms. Komal Pol from SYBCOM A won 2nd Prize in inter-collegiate Tug of War organized by Sir M Visveshwaraya Institute of Management Studies, Wadala, Mumbai on 25th January, 2020.
- ▶ Mr. Parth Devediga from TYBCOM B won 3rd Prize in Research Presentation Competition organised by SIES College of Commerce and Economics, Sion (E) on 18th January, 2020.
- ▶ Ms. Komal Pol, Ms. Pranali Rao and Ms. Icha Karkera from SYBCOM A won 1st Prize in inter-collegiate

Tug of War organized by Usha Pravin Gandhi College of Arts, Science and Commerce, Mumbai on 16th January, 2020.

- ▶ Ms. Siddhi Jain from TYBCOM B won 2nd Prize in Res Publica and Dynasty organised by SIES College of Arts, Science and Commerce (Autonomous), Sion (W) during annual literary fest Utkarsha on 2nd January, 2020.
- ▶ Mr. Mukul Mehta from TYBCOM A won 2nd Prize in Debate and Shotput Competition at Uran Education Society, Uran on 4th January, 2020.
- ▶ Mr. Sameet Salian from FYBCOM B won 2nd Prize in Vismaya fest organised by Bunts Sangha College, Powai, Mumbai on 22nd December, 2019.
- ▶ Ms. Komal Mehta from SYBCOM A won 2nd Prize in Tug of War organised by SIES College of Arts, Science and Commerce (Autonomous), Sion (W) on 12th December, 2019.
- ▶ Mr. Aniket Munde from FYBCOM A won 1st Prize in Talent Hunt at Kirti College, Dadar, Mumbai on 24th September, 2020.
- ▶ Ms. Tejasvi Bhavsar from SYBCOM B won 3rd Prize in The Ad Mad Show organised by the Department of Commerce, SIES College of Arts, Science and Commerce, Sion (W) on 16th September, 2019.



Computer Science

- ▶ The annual department fest 'Ziegers' was conducted under Utkarsha on 2nd and 3rd January, 2020. Events like CodeX, Technutz and various gaming sessions were held. The events saw enthusiastic participation from various streams not only from our college but from various other colleges across the city.



Debating Association

- ▶ Organized an intra-collegiate debate on, 'Can you be Good without God?' was held on 20th February, 2020. The first prize was won by FYBA student, Steffi Devassy and the second prize was won by FYBA student, Revathy Ramchandran.
- ▶ An intra-collegiate debate on, 'Unlikely Alliances: Good or Bad?' was held on 3rd January, 2020 as part of Utkarsha. The first prize was won by SYBA student Sridhar Devar, the second prize was won by the SYBMS student, Aaron Shobby and the third prize was shared by two FYBA students, Nachiketa Thaker and Jaison Cheruveli.
- ▶ SYBA students, Belinda Isravel and Harsh Jain, won the First Prize in the Inter-Collegiate Debate Competition

held as part of Uthaan 2020 by SVIMS College, Wadala.

- ▶ Revathy Ramchandran from FYBA, won the Third Prize in the Inter-Collegiate Elocution Competition held by MES's Pillai Group of Institutions as part of Alegria 2020.
- ▶ Belinda Isravel and Harsh Jain of SYBA won the First Prize in the Inter-Collegiate Debate conducted by Model College, Dombivli on 16th and 17th December, 2019.
- ▶ Student of SYBA, Shraddha Anishkumar, won the First Prize in the Inter-Collegiate Elocution Competition organized by the Model College, Dombivli on 16th and 17th December, 2019.
- ▶ An intra-collegiate debate on, 'Chandrayaan 2- A Success or a Failure?' was held on 20th September, 2019. SYBA students, Harsh Jain and Geethu Pillai won the first and the second prize respectively.



Economics

Activities Organized

- ▶ Screening of 'The Laundromat', a movie based on the sensational Panama Papers Scandal along with certificate distribution was organised as a closing event of the Association on 22nd February, 2020.
- ▶ A one day Workshop was conducted on 'Essential Skills- How to write Effective SOP and Impressive Resume' by Ms Garima Shekhar, Manager Outreach and Admissions, Ashoka University on 7th February, 2020. 40 students belonging to Economics and Psychology Departments were the beneficiaries of this workshop.
- ▶ A Guest lecture on 'Role of Data Analytics in Economics'

by Dr. Sandhya Krishnan, Alumni and Assistant Professor, Meghnad Academy of Economics was conducted on 3rd February 2020.

- ▶ Third Year students attended a Talk on 'Budget 2020' delivered by Journalist and Consulting Editor for Economic Times, Swaminathan S. Anklesaria at Shanmukhananda Hall on 2nd February 2020.
- ▶ A talk was arranged on 'How to Evaluate Public Policy' by Dr. Shagata Mukherjee, Assistant Professor of Meghnad Desai Academy of Economics on 24th January, 2020.
- ▶ 'Econ-Art of the Indian Economy', a poster-making competition and "We can do it! - Speed up the Slowdown," a business strategy competition was organized as part of the college's literary fest Utkarsha 2020 on 2nd and 3rd January, 2020 respectively.
- ▶ Third year students of 'Financial Economics' elective

participated in the workshop conducted by Bombay Stock Exchange (BSE) on 3rd December, 2019.

- ▶ The Economics department organized the 55th A.D Shroff Memorial Elocution competition for college students in Mumbai on 27th November, 2019. The topics covered were “Quest towards Inclusive Growth in India”, “Health for All - Reforming National Health Policy” and “Role of a Model Citizen in Indian Democracy”.
- ▶ An interactive session on ‘Preparing for Various Entrance Examinations for MA’ by Ms Nidhi Menon an alumni presently pursuing MSc (Economics) from Symbiosis International, Pune was arranged for the third year Economics students on 26th November, 2020.
- ▶ An open discussion on ‘Justice and Well being for All through Non-violence’ by Jill Carr-Harris, follower of Mahatma Gandhi and co-founder of Jai Jagat, a NGO, organized for the TYBA Economics students on 26th September, 2019.
- ▶ Official Newsletter of the Department “Caveat Venditor” Issue 3 was released by the Principal, Dr. Uma Shankar on 24th September, 2019.

English

- ▶ A Student Symposium with Poetry Recitation Competition was conducted on the theme “Empathy” in collaboration with the Department of Hindi and sponsored by the Synergy Foundation on 17th February, 2020.
- ▶ A Guest Lecture and Alumni Interaction was conducted by Preethi Gopalakrishnan on ‘Effective PPT – making’ on 13th February, 2020.
- ▶ A Guest Lecture and Alumni Interaction was conducted by Shrikant Iyer on ‘Blogging and Content-Writing’ on 8th February, 2020.
- ▶ A One Day Workshop on Research Methodology was organised in association with the Departments of Politics and Philosophy on 27th January, 2020.
- ▶ As part of Utkarsha, an Interactive workshop titled ‘Shooting Questions’ was organised on 2nd January, 2020. It was conducted by the celebrity author, Mr. Rakesh Anand Bakshi.
- ▶ As part of Utkarsha, an Intercollegiate Quiz Competition titled “Knowledge Quiz” was organised on 2nd January, 2020.

- ▶ An interactive session by FINX/ CFX for Economics Students was organised on ‘Opportunities in Capital market and industries’ on 29th August, 2019.
- ▶ A guest lecture was conducted on ‘India’s slowdown: Macro Economic Challenges Ahead’ by Dr Anand Babu, Assistant Professor, NMIMS, Mumbai on 28th August, 2019.
- ▶ The Inaugural event of the Association was organised by conducting a panel discussion of students to mark World Population Day on 11th July, 2019. Topics covered were Population and Environment, Population as a Number Game vs. Labour Force, Optimum and Sustainable Population.

Student Participation in Field Visits

- ▶ The Department of Economics arranged an Industrial cum Educational trip to Udaipur and Chittorgarh, Rajasthan. Third year students were taken to the marble industry and a bus manufacturing unit from 12th November 2019.

- ▶ A creative writing workshop titled ‘Murder Mystery Mantras’ was conducted by the novelist Mr. Salil Desai, on 20th November, 2019.
- ▶ A Career Goals Week was organised for the students of TYBA English Literature which consisted of three events. The first event was a talk on ‘Importance of Goal Setting’ conducted by an eminent motivational speaker Mr. Murali Subramanian on 17th September, 2019. The second event was a workshop on ‘Careers after MA Literature’ by Ms. Priya Suresh on 18th September, 2019. The third was a session on ‘Career in Teaching after B.Ed.’, which was conducted by an SIES alumnus Miss. Jancy Dharmaraj on 19th September, 2019.



- ▶ A book discussion was conducted by Dr. Gita Viswanath with regard to her debut novel ‘Twice it happened’ on 13th August, 2019.
- ▶ The movie ‘Omkaara’, an Indian adaptation of Shakespeare’s “Othello”, was screened on 29th July, 2019. Several other movies like ‘Fantastic Mr. Fox’, ‘Court’, ‘Emma’, ‘Dance like a Man’, ‘Jaane bhi do Yaaro’, and ‘Under the Shadow’ were also screened under the Film Appreciation Society.
- ▶ Shayonnita Mallik, the sub editor of ‘Scroll’, delivered a talk on ‘The Art of Newspaper Reporting’ on 11th July, 2019.

Student Participation in Field Visits

- ▶ The students of Degree College were taken to the Dosti House, the Library run by the US Consulate at BKC on 8th January 2020 to attend a guest lecture by Dr. Patricia Cooper, Visiting Faculty from the University of California State on ‘Adaptation of American Fiction into Film’.
- ▶ A study tour was organised to Jodhpur, Rajasthan from 28th to 31st December 2019.

Students’ Achievements/Internships

- ▶ Aleena Ausaf and Fareeha Kazi, SYBA English students, won the first prize in the Intercollegiate Research Paper Presentation Competition organized under the aegis of Jignyasa on 8th January, 2020.

- ▶ Julie Monthero and Harsh Jain won the first and second prizes in poster making competition respectively. Diksha Goyal received the first prize in ‘Test Your Lexicon’ competition. Halin Roche came second for the same. Consolation prize was given to Revathy Ramachandran. In the ‘Literary Quiz’ competition, Halin Roche came first and Diksha Goyal came third. In Spell it Right competition, Devika Nair and Diksha Goyal came second. Harsh Jain came first in Group Discussion at the Lang-Lit Fest in B. K. Birla College of Arts, Science and Commerce, Kalyan.
- ▶ 25 TYBA English students interned with various NGOs like Urja, S.H.E.D, Nukkad Pathshala, Sai Prem, Masoom Foundation, Navodaya, Srujna Charitable Trust, One Future Collective, Paddington Foundation, Akshara etc.

Junior College

- ▶ ‘The Christmas Tale’, a Christmas tableau with carol singing was organised by the English Association on 21st December, 2019.
- ▶ An English Western Vocals Singing Competition was organised by the English Association on 2nd October, 2019. The judges for the event were Music Composers Mr. Rishabh Shah and Mr. Jagravi Rao. Over 30 students participated in the event. The 1st prize was awarded to Cyrus D’souza of FYJC Science D and the 2nd prize was awarded to Ashish Paul of FYJC Science F.

Hindi

- Bilingual Poetry Recitation Competition and Students' Symposium were jointly organized by the Departments of Hindi and English on Empathy/Karuna as a Value, on 17th February, 2020.
- Meet the Poet Program - Shri Anup Sethi Renowned poet and critic was invited to guide the students on creative writing on 8th February, 2020.
- Manish Muni, a theatre personality presented a one-act-play 'Ashfaq-Ram' on 4th February, 2020 for students of Hindi department.
- Hindi Essay Writing Intra-Collegiate Competition was held on 2nd January, 2020.
- 15 colleges participated in Raashtrakavi Subramanya Bhaaratee Inter-Collegiate Self Composed Poetry Recitation Competition organized on 2nd January, 2020.
- Guest Lecture by Shri Tejendra Sharma on the topic- 'Hindi geet lekhan parampara aur Shailendra' was organized on 11th December, 2019.
- Guest Lecture by Shri Pradeep Kumar Bhoor (DGM O.L-SBI) on the topic 'Anuvaad Mein Aanewali Samasyaen aur unka samaadhaan' was organized on 7th December, 2019.
- SBI- Inter- Collegiate Quiz Competition was organized on 13th September, 2019.
- Inauguration of Hindi Association with Film Screening and Guest Lecture by Dr. Rajam Natarajan on the topic 'Premchand aur Stree' was held on 31st July, 2019.

Students' Participation in Seminars/ Field Visits

- Students of TYBA, SYBA and FYBA participated in the National Seminar at RJ College, Ghatkopar on 2nd March, 2020, jointly organized by SIES College of Arts, Science and Commerce and RJ College.
- Students of TYBA, SYBA and Translation Course were taken to EXIM bank on field visit on 28th February, 2020. The purpose of the visit was to make students familiar with the working culture of official language departments in government offices and required skills for translators and hindi officers at the entry point of their career.
- Students of TYBA and SYBA were taken to Banker's College, Vile Parle to participate in a one day National Seminar and Exhibition organized by Central Bank of India on 10th January, 2020.



- Students of TYBA were taken to Ruia College, Matunga to participate in a one day National Seminar organized by the Hindi Department on 22nd August, 2019.

Students' Achievements

- Kamal Afreen, TYBA student won first prize in inter-collegiate Research paper presentation competition organized by M.M.P Shah Women's College on 22nd February, 2020.
- Akarsha Singh from FYBA won second prize in Smt. Abhiraji Indradev Singh Inter-collegiate Singing Competition organized by the Department of Hindi, RJ College, Ghatkopar, on 18th January, 2020.
- Navneet Tiwari of SYBA won second prize in Solo Singing Competition organized by NES Ratnam College of Arts, Science and Commerce, Bhandup on 14th December, 2019.
- Simran Kuril and Ramya Iyer of TYBA Hindi won Third prize and a Cash Award of Rs. 30,000/- in inter-collegiate Quiz Competition organized by SBI on 24th September, 2019.

हिंदी साहित्य परिषद

गायन और कथा-कथन प्रतियोगिता

- कनिष्ठ महाविद्यालय की तरफ से दिनांक 3 दिसम्बर 2019 को गायन प्रतियोगिता का आयोजन किया गया। बेहतरीन प्रस्तुती व सुरीली आवाज से प्रतिभागियों ने श्रोताओं का दिल जीत लिया।
- इसी समय पर कथा-कथन प्रतियोगिता भी आयोजित की गयी। जिसमे सभी प्रतिभागियों ने अपनी कहानियों से तथा कुशल प्रस्तुती से सभी श्रोताओं व अतिथियों का मन मोह लिया।

भाषण प्रतियोगिता

- हिंदी साहित्य परिषद (कनिष्ठ महाविद्यालय) व आंध्रा बैंक के संयुक्त तत्वावधान में दिनांक 24 अक्टूबर 2019 को 'ईमानदारी: एक जीवन शैली', इस विषय पर भाषण प्रतियोगिता का आयोजन किया गया। इस ज्वलंत विषय

पर विद्यार्थियों ने बेहद खूबसूरत तरीके से अपने विचार रखे। सभी प्रतिभागियों का भाषण सराहनीय था।

हिंदी दिवस

- हिंदी साहित्य परिषद जूनियर कॉलेज व माध्यम फॉउंडेशन की तरफ से हिंदी पखवाड़े के अवसर पर दिनांक 28 सितंबर 2019 को आयोजित की गयी निबंध

History

- A poster exhibition, 'The journey of Mahatma' was organized for celebrating the 150th birth Anniversary of Mahatma Gandhi, during the academic festival 'Utkarsh' on 2nd January 2020. Poster making Competition was also conducted on this occasion. Tanishqa Rajee from SYBA and Sayyed Firdos from FYBA won first and third prize respectively. Chandan Singh and Shaikh Tarannum from FYBA won second prize.
- Chanakya Episodes' were screened for SYBA students on 24th December, 2019.
- 'Agarkar the Reformist' from 'Bharat ki Khoj' was screened on 4th December, 2019.
- Alumni Guest Lecture was organized on the opportunities to study in the UK by Neha Naik who is pursuing MA in Archaeology at the Pathway Newcastle University UK on 22nd November, 2019.
- As a part of 'Mahakavi Kalidas Din' celebration, students from SYBA, Harshada Borade, Sreshthi Srinivasan, Shraddha Anishkumar, Nazmin Shaikh, Shahida Ansari gave a presentation on, 'Importance of literary work of Mahakavi Kalidas as the source of History Writing', on 3rd August, 2019.

Students' Participation in Seminars/ Workshops/ Field Visits

- Students of FY, SY, and TY participated in the 'Youth Seminar' organised by the Asiatic Society of Mumbai on 22th February, 2020.
- 'Revising the Modi Script': A one day workshop was organized on the medieval Indian Modi Script, under the guidance of Modi Script Expert, Ms. Shilpa Dalvi, on 7th February, 2020.
- Students participated in a one day Inter-collegiate workshop on 'Indian Textiles and Tie & Dye Techniques', organized by Gurunanak College, Wadala on 1st February, 2020.

लेखन, भाषण प्रतियोगिता, काव्य पठन प्रतियोगिता में विद्यार्थियों ने अपनी भाषण क्षमता व कौशल से, उपस्थित जनसमूह, अतिथियों व निर्णायकों का दिल जीत लिया और अपनी उच्च क्षमता व बेहतरीन कला कौशल से उपस्थित जनसमूह को मंत्रमुग्ध कर दिया। हिंदी दिवस के अवसर पर आयोजित बेहतरीन कार्यक्रम संपन्न हुआ।

- Apoorva Agashe, a student of SYBA, presented a paper in the Three Day Centennial Trinity Commemoration, Baa Bapu Bagh, on 28-30th January, 2020, jointly organized by SIES College of Arts, Science and Commerce and G.N. Khalsa College, Matunga.
- Team of two students participated in the inter collegiate History Quiz, 'Sikander- I- Siyasad', organized by Ramnarain Ruia College, 'Mudra' Festival of the Department of History, on 3rd January, 2020.
- Students of TYBA, History and Politics Department visited Dosti House (American Consulate and library) on 20th December, 2019. They were addressed by Ms. Lourdes Ortega, Executive Manager, Consulate General of the United States of America, on India-US Relations.
- The Department of history along with all the Departments of humanities, organized an international seminar, 'Mapping the Indian Diaspora: Issues and Perspectives' on 13th and 14th December, 2019.
- Department of History, Politics & Philosophy jointly organized a study tour for TYBA students to Raigad-Dapoli-Indapur on 14, 15 and 16th November, 2019.
- A certificate course on 'Introduction to Epigraphy: Learning the Brahmi Script' was conducted under the guidance of Ms. Anuja Joshi, an archaeologist and a Bramhi Script Scholar from 21st to 23rd August, 2019, followed by a Heritage and Epigraphy walk to Kanerhi Caves, on 19th December, 2019. In all, 35 students joined this course.



Information Technology

- ▶ Inter collegiate departmental festival "Iterationz" was conducted in the month of January 2020 that included 3 events, EXPLOROID (An exhibition on ANDROID Applications), E-Hunt (Treasure Hunt with an IT flavour) and Play.IT (game playing event). The events saw a total participation of around 300 students. These events were conducted on the 2nd and 3rd of January, 2020.
- ▶ Jayprakash Raut, our alumnus, working with Squad Infotech, conducted a lecture on 'Interview Preparation' for TYBSc(IT) students on 29th August, 2019.
- ▶ Yash Khona, an alumnus of SIES BSc(IT), conducted an add-on course on 'Scratch Programming' for FYBSc(IT) students to improve their logic building and Programming Skills in July 2019
- ▶ Ajit Gupta and Yash Khona, alumni of SIES BSc(IT), conducted a lecture and hands-on session regarding 'Project Guidance' to the TYBSc(IT) students. This lecture series continued for the whole semester.

Malayalam Association

- ▶ 'Malayalathanima', a Kerala cultural fest witnessing traditional cultural performances was organised on 17th September, 2019.
- ▶ Kaikottikali, a traditional dance form of Kerala was performed in the college quadrangle followed by a flashmob on 14th September, 2019.

Marathi Vangmay Mandal

- ▶ २७-०२-२०२० : 'वाचू आनंदे' --- 'मराठी राजभाषा दिना' निमित्त आयोजित केलेला हा कार्यक्रम तत्त्वज्ञान विभागातर्फे आयोजित केलेल्या गांधीजीविषयक सेमिनारमध्ये सादर केला. मराठी साहित्यातील प्रसिद्ध कवींच्या कविता आणि गांधीजींच्या आयुष्यातील काही कथा यांचे वाचन महाविद्यालयातील शिक्षकांनी केले.
- ▶ २७-०१-२०२० : 'हसवा फसवी' --- मराठी चित्रसृष्टीतील ज्येष्ठ आणि प्रसिद्ध अभिनेते दिलीप प्रभावळकर लिखित आणि दिग्दर्शित नाटक 'हसवा फसवी'

Students' Participation in Workshops

- ▶ Workshop on Cyber Security was conducted by RST Forum on 28th February, 2020 for the First Year Students.
- ▶ Workshop on Python for Data Science was conducted by Imarticus Learning on 27th February, 2020 for TYBSc(IT) students.

Students' Achievements/ Internship

- ▶ One TYBSc(IT) student was selected by Wipro on 12th January, 2020
- ▶ Five students from TYBSc(IT) was selected by Infosys on 9th January, 2020
- ▶ Four TYBSc(IT) students were chosen by TCS on 30th November, 2019
- ▶ Five TYBSc(IT) students were selected by Capgemini on 20th November, 2019
- ▶ Ten students from TYBSc(IT) were selected by Infosys on 15th November, 2019
- ▶ A student from TYBSc(IT) got into Larsen & Tubro Infotech on 11th November, 2019.



- ▶ Inauguration of 'Malayalam Association' followed by cultural programme was organized on 24th w/July, 2019.

- ▶ नाटक विद्यार्थ्यांना दाखवले. जवळपास ७० विद्यार्थी उपस्थित होते. नाटकानंतर त्यातील विनोदी प्रसंगांवर चर्चा घेण्यात आली.
- ▶ ०३-०१-२०२० : 'रंग बदलू गोष्टींचे' --- 'उत्कर्ष' या शैक्षणिक उपक्रमांतर्गत 'रंग बदलू गोष्टींचे' ही स्पर्धा घेण्यात आली. एक अर्धवट लिहिलेली गोष्ट स्पर्धकांना त्यांच्या कल्पनाशक्तीने पूर्ण करायची होती. दोन विद्यार्थ्यांचा एक गट अशा १३ गटांनी यात सहभाग घेतला होता.
- ▶ ०२-०१-२०२० : 'अनैतिक' एकांकिका --- उत्कर्ष या शैक्षणिक उपक्रमांतर्गत महाविद्यालयातील विद्यार्थ्यांनी राजेश पटवर्धन लिखित 'अनैतिक' या एकांकिकेचे सादरीकरण केले. 'बेकायदेशीर पद्धतीने केलेले माणसांचे क्लोनिंग' हा एकांकिकेचा विषय होता.
- ▶ १६-१२-२०१९ : 'आमची मुंबई' --- 'मुंबई' हा विषय (थीम) घेऊन या विषयावर

आधारित नृत्य, गायन, नाटक, कवितावाचन, वक्तृत्व अशा सांस्कृतिक कार्यक्रमांचे सादरीकरण विद्यार्थ्यांनी केले. मराठी चित्रसृष्टीतील ज्येष्ठ आणि प्रसिद्ध अभिनेत्री 'भारती पाटील' या प्रमुख पाहुण्या म्हणून उपस्थित होत्या. कार्यक्रमानंतर त्यांनी मुलांना मोलाचे मार्गदर्शन केले.

- ▶ २५-११-२०१९ : 'कथा सुफळ संपूर्ण' --- 'गोष्ट सांगणारी बाई' म्हणून प्रसिद्ध असलेल्या मराठी साहित्यातील ज्येष्ठ कथाकथनकार 'गिरीजा कीर' यांचे ३१ ऑक्टोबर २०१९ रोजी दुखद निधन झाले. त्यांना साहित्यिक आदरांजली म्हणून 'कथा सुफळ संपूर्ण' या कार्यक्रमाचे आयोजन करण्यात आले. मुंबईतील 'पाच-तीन-दोन' या संस्थेच्या कलाकारांनी गिरीजा कीर तसेच इतर काही लेखकांच्या कथांचे सादरीकरण केले.
- ▶ * ०१-१०-२०१९ : 'भोंडला' --- नवरात्रीनिमित्त महाराष्ट्रातील सांस्कृतिक कार्यक्रम 'भोंडला' चे आयोजन. आजी-माजी मिळून जवळपास १०० विद्यार्थ्यांची उपस्थिती. अनेक शिक्षकही उपस्थिती. सुरुवातीला या कार्यक्रमाचे पारंपरिक स्वरूप, तो साजरा करण्यामागचा उद्देश, त्याचे बदलत जाणारे स्वरूप, इत्यादीविषयी मराठी वाङ्मय मंडळ प्रमुख अनुया धारप यांनी माहिती दिली. अत्यंत उत्साहात आणि आनंदात कार्यक्रम साजरा झाला.
- ▶ * १६-०९-२०१९ : 'चॉक अँड डस्टर' चित्रपट आणि चर्चा --- ५ सप्टेंबरच्या 'शिक्षक दिना' निमित्ताने शिक्षकांचे समाजातील आणि विद्यार्थ्यांच्या जीवनातील महत्त्व समजावून देणारा 'चॉक अँड डस्टर' हा हिंदी चित्रपट दाखवला. मग त्यातील प्रसंगांवर चर्चा घेण्यात आली.
- ▶ * १९-०८-२०१९ : 'प्रवास एका सैनिकाचा' --- निवृत्त मेजर श्री. विनय श्रीकांत देगांवकर यांनी त्यांचे भारतीय सैन्य दलात कार्यरत असतानाचे अनुभव



विद्यार्थ्यांना सांगितले. एका सैनिकांचे खडतर आयुष्य, त्यांना येणारी संकटे, त्यांचा मुकाबला करण्याची तंत्रे, इत्यादी ऐकून सैनिकांचे आयुष्य जवळून पाहायची संधी विद्यार्थ्यांना मिळाली. सैन्य दलात दाखल होण्याबाबत मार्गदर्शनही त्यांनी केले. एन. सी. सी. आणि एन. एस. एस. चे विद्यार्थीही मोठ्या संख्येने या कार्यक्रमाला उपस्थित होते.

- ▶ * १५-०७-२०१९ : नामाचा गजर' --- आषाढी एकादशीनिमित्त या सांस्कृतिक कार्यक्रमाचे आयोजन केले होते. श्री. विकास गोखले यांनी 'अहंकार : आपला शत्रू' या विषयावर प्रवचन करून 'प्रवचन' या लोककला साहित्य प्रकाराची ओळख विद्यार्थ्यांना करून दिली. त्यानंतर शिक्षक वर्गापैकी काही उत्साही शिक्षकांनी अभंग सादरीकरण केले.

Management Studies

- ▶ Enterprising students from the now dissolved Entrepreneurship Development Cell (EDC) came in with double the amount of energy and enthusiasm to form the 'BMS Team 2019-20', a successor team to EDC.
- ▶ In the academic festival 'Utkarsha', during 2nd and 3rd January, 2020, The inter-collegiate events like 'Ludopoly', 'Treasure Hunt', 'Hostile Takeover', 'Dynasty' were organized. Many colleges across the city participated in these events.

Mass Media

- ▶ The 'QKnit', an LGBTQIA+ collaborative in association with the Dept of Mass Media under 'Anubhav' organised a one-day youth fest in SIES College of ASC (Autonomous), with the objective of spreading

- ▶ Mr. Ketan Trivedi from 'Ever Aspire Consulting Services' held a seminar on the career prospects of studying abroad & led the seminar representing the same. It was held on the 23rd December, 2019.
- ▶ 'Mock stock' was an event held on an earlier date on 26th September, 2019. The main motive of the event was to give the participants a brief overview of the stock market. The event saw participation from more than 20 colleges.
- ▶ A seminar on 'Entrepreneurship' was held in the college auditorium on 23rd August, 2019, led by Prof. Samish Dalal from SP Jain School of Global Management. He gave an accountable insight to the students about the entrepreneurial world.

awareness on the gender sensitization for youth across gender spectrum. The event was embarked under 'Queer Azaadi Mumbai Pride Calendar 2020' & was held on 11th January, 2020.

- ▶ The dept organised an inter-collegiate event viz. 'Picture Saga' and 'Decode the Fog' for Utkarsha on 2nd January, 2020. The events were a blend of the mass media education with a fun filled daybreak on the campus in turn.

- ▶ The dept organised an activity on creating social awareness through various forms of oral communication. The FYBA-MMC students performed in 7-member groups on 3rd October, 2019 in the rear area of the college. The topics centred on social issues like religious disparity, rape, human and organ trafficking, decriminalisation of Section 377, save girl child, drug addiction, drunk and driving cases.

Students' Participation in Seminars/ Workshops/ Field Visits

- ▶ The dept organized an industrial visit to Rajasthan for the SY-BMM students from 17th-22nd December, 2019. It covered two major cities of Rajasthan- Jodhpur and Jaisalmer. The students along with staff headed to 'Mehrangarh fort', 'Jaswant Thada',
- ▶ The dept organized an industrial visit to Mahabaleshwar-Pune for FYBA-MMC students from 24th-26th November, 2019. It covered two major industries, 'Mapro Foods' and Lokmat' printing press.

Mathematics

- ▶ On the occasion of Utkarsha 2019-20, on 2nd January, 2020, a programme termed 'Gradient' was organised by the Mathematics department under which there were two major intra-college events, 'Hunt your stars' and 'Math your Balloons'. The student volunteers, with their talent and creativity, successfully managed the above events simultaneously conducting fun-filled events like Sudoku and 'Bolo Magar Dhyaan Se', a math charades game.
- ▶ A Seminar on 'Data Sciences-Careers and Paths ahead' for students was organised jointly with IQAC and Grey Atom Institute, on 23rd December, 2019 on the eve of National Mathematics Day.

Students' Achievements

- ▶ Tanveer Singh, Mihika Jaydeep Likhite and Nagar Adityamani A. K. from FYBSc successfully eight weeks completed NPTEL course in Mathematics and achieved Elite status.
- ▶ Ms. Shaikh Rahat J. S., Ms. Yadav Manisha and Ms. Rani Ramnivas S from SYBSc were selected and participated

- ▶ 'Fortify' was a seminar conducted for the college where one could improve their editing skills. It was conducted by Ms. Nikhila Chandavarkar for two days on 29th May, & 1st June, 2019, where various aspects of grammar were explained. Subsequently, the students were made aware about the meticulous uses of punctuation marks, capital letters, etc. and types of headlines which benefited the advertising students and aspiring journalists into the bargain.

Students' Achievements

- ▶ Ms. Shivani Shankarnarayan of SYBMM stood first and won gold medal in the 6th Underarm Cricket National Championship 2020 on 18th January, 2020.
- ▶ Ms. Swarna Srikanth topped first rank in Body language: Key to Professional Success with a consolidated score of 99% in NPTEL Online Certification funded by the Ministry of HRD, Govt. of India.

in the Mini MTTS programme at B K Birla College, Kalyan from 4th to 11th November 2019. The programme aimed at developing research and critical thinking skills of the students.



Microbiology

Outstanding achievements

- ▶ Mr. Vivek Parab and Ms. Lynn Dlima, students of Ph.D, under the guidance of Dr. Manju Phadke, were conferred with the Excellence in Research award by the International Academy for Science and Research, Kolkatta.
- ▶ Dr. Manju Phadke was conferred the Distinguished Faculty award by the International Academy for Science and Research, Kolkatta.
- ▶ Dr. Pramod Ghogare was awarded as best mentor and was felicitated for securing top 5% rank in Genetic engineering theory and applications, NPTEL course run by IIT Madras by Centre of excellence on 8th February, 2020 at SIES College.
- ▶ Department won the Best Department Award instituted by NPTEL for the September -November 2019 run.

Activities organized

- ▶ A lecture on Intellectual Property Rights was organized on the 28th February 2020, Dr Seema Sambrani was invited as the guest speaker. The lecture covered all the aspects of patenting and Intellectual property rights.
- ▶ Parents Teachers meeting was held on 8th February, 2020 for students of TYBSc A total of 28 parents attended the meeting. The meeting was conducted to discuss the performance of the students and the future career path that can be chosen by them.
- ▶ A fermented food festival "Food Mania" was held on 14th January, 2020, showcasing the use of different microorganisms in the preparation of food. Food was kept for tasting as well.
- ▶ The annual Microbiology exhibition "Microexplore" was held on the 2nd January, 2020, under the aegis of Utkarsh. A total of 26 exhibits were presented on various aspects of Microbiology. Our flagship events based on Microbiology were conducted, such as, Micro Art and Poster presentation were conducted besides some fun events like Taboo (Guess the microbiological word) and Treasure hunt, based on clues related to Microbiology. The event saw a foot fall of around 100 people in a span of a single day.
- ▶ A workshop on Effective presentation skills was conducted in two batches on 6th-7th August 2019 &

8-9th August, 2019. Mrs Shailaja Girishankar was the resource person for the same. The workshop was conducted under the aegis of UGC funding received by the institution.

Students' Achievements/Internships

- ▶ Ms. Afroze Fatima of M.Sc (II) and Mr Oankar Varde of TYBSc won the best student award instituted by the Microbiology Society of India for the year 2019-2020.
- ▶ Mr. Pramod Kamble, a Ph.D student under the guidance of Dr. Manju Phadke secured the second prize in the Young Scientist category, for his presentation titled 'Antibacterial applications and Antioxidant activity of Berberis spp' at the International Conference on Environmental pollution and Health Management held on 27-28th February, 2020 at Bhopal.
- ▶ 3 SYBSc and 3 TYBSc students qualified for the final round of the National level Microolympiad held on 15th February, 2020 at Aurangabad.
- ▶ Ms. Afroze Meran presented a poster at the 2 day National Seminar on Contemporary issues held at CKT College, Panvel on 4th-5th January, 2020.
- ▶ Ms. Sayali Shirkar presented a poster at the 2 day National Seminar on Contemporary issues held at CKT College, Panvel on 4th-5th January, 2020.
- ▶ Ms. Lavanya L Kondabatini presented a poster at the 2 day National Seminar on Contemporary issues held at CKT College, Panvel on 4th-5th January, 2020.
- ▶ Ms. Prajakta Kulkarni presented a poster titled 'Halotolerant bacteria-the polyzyme producers and their applications' at Jigyasa, a Research Scholars meet, held on 8th January, 2020, at SIES college of Arts, Science & Commerce.
- ▶ Ms. Anupriya M. Madaswamy presented a poster titled 'Production and Optimization of dextran biopolymer using Leuconostoc mesenteroides isolated from fermented food products', at Jigyasa, a Research Scholars meet, held on 8th January, 2020, at SIES college of Arts, Science & Commerce.
- ▶ Ms. Sneha Prabhu presented a poster titled 'Effect of UV mutation on Prodigiosin production and study of its application', at Jigyasa, a Research Scholars meet, held on 8th January, 2020, at SIES college of Arts, Science & Commerce.
- ▶ Mr. Hemant Deepak Bagwe presented a poster titled 'Improving microbial oil production in oleaginous yeast for biodiesel production' at Jigyasa, a Research Scholars

meet, held on 8th January, 2020, at SIES college of Arts, Science & Commerce.

- ▶ Ms. Bhawar Saloni Sunil presented a poster titled 'Production of vinegar from over ripe banana' at Jigyasa, a Research Scholars meet, held on 8th January, 2020, at SIES college of Arts, Science & Commerce.
- ▶ Ms. Sayali Sudhir Shirkar presented a poster titled 'PGPR obtained from rice rhizosphere-magical bioinoculant', at Jigyasa, a Research Scholars meet, held on 8th January 2020, at SIES college of Arts, Science & Commerce.
- ▶ Ms. Afroze Fatima Meran and Ms. Sayali Shirkar won the first prize in a quiz competition, 'Cerebra', at Symbiotek, at IIT Mumbai on 25th-26th January, 2020.
- ▶ Mr. Pramod Kamble, a Ph.D student under the guidance of Dr. Manju Phadke, secured the third prize for his presentation titled 'Ayurvedic plant extracts – A panacea for bacterial infections', at the final of Avishkar, a University level Research Scholars meet, held on 4th January, 2020 at K.C College, Mumbai
- ▶ 7 M.Sc students participated in Avishkar, a University level Research Scholars' meet held on 24th December, 2019. 2 students qualified for the final round.
- ▶ 27 students of SY & TYBSc and 1 student of MSc successfully completed the NPTEL courses titled Functional Genomics and Genetic Engineering: Theory



Philosophy

- ▶ Guest lecture was organised by Fr. Lancy Prabhu on 'J.Krishnamurthi - Finding the right vocation- what one loves' on 29th February, 2020.
- ▶ Two Day National Seminar on 'Gandhi's Writings on Indian Culture', was organized by Maulana Abul Kalam Azad Institute of Asian Studies (MAKAIAS), Kolkata, an Autonomous Body under Ministry of Culture, Govt. of India, in association with Department of Philosophy, SIES College, on 27th and 28th February, 2020.
- ▶ In association with Krishnamurti Foundation, Mumbai, a documentary film called 'The Seer Who Walks Alone' was screened on 17th February, 2020
- ▶ The Centennial Trinity of 'Ba Bapu Bagh' a three day mega students' activity comprising of Students' Symposium, Panel Discussion, Skit, Dance Ballet, Jallianwala Baugh Exhibits under the aegis of Partition Museum, Amritsar

and Applications in the Elite category. 21 students secured the Elite grade and 3 students secured Elite with Silver grade.

- ▶ 20 students of FY, SY and TY did internships in different clinical Laboratories, Hospitals, Biopharmaceuticals and Mahananda dairy in the city

Students' participation in Seminar/Workshop/Field Visits

- ▶ 11 Students of MSc II visited Common Effluent Treatment Plant, Koparkhairane on 11th March, 2020
- ▶ An Industrial visit was conducted to Jaipur from 20th February to 25th February 2020. A total of 68 students attended. The visits included Clay & Craft India Ltd, Saras Diary, G.D Morarka Rural research foundation & Organic food processing unit.
- ▶ 15 Students of TYBSc visited the "Advanced Centre for Treatment, Research & Education of Cancer" (ACTREC) on the 27th November, 2019.
- ▶ 9 MSc (II) students attended and presented posters in the International Conference on 'Natural Products: Quality, Safety & Efficacy', held on 6-7th March, 2020 at SIES College of Arts, Science & Commerce.

and The Art and Cultural Heritage Trust, New Delhi, jointly organized by SIES College, SIES Past Students' Association and G.N. Khalsa College was conducted on from 28th – 30th January, 2020.

- ▶ As a prelude to 'Ba Bapu Bagh', department organized display and sale of Khadi items(bazar) by KVIC and books by Sarvodaya Book Store on 13th January, 2020 and conducted an Intercollegiate Essay Writing Competition on 24th January, 2020.
- ▶ 'Thinkers' Labyrinth'- a value-oriented game was organized during Utkarsha, as part of the Literary Fest on 2nd January, 2020.
- ▶ Participated with the Department of Humanities in organizing Two Day International Seminar on 'Mapping Indian Diaspora – Issues and Perspectives', funded by RUSA on 13th – 14th December, 2019.
- ▶ Ms. Indu Nair, an alumna interacted with the present TYBA Philosophy students on 27th November, 2019.
- ▶ Two Day Workshop on 'Effective Communication' was organized on 24th-25th November, 2019.



- ▶ Two Day Workshop on 'Self Awareness – Through Music, Art & Drama' was organized on 21st-22nd November, 2019.
- ▶ Thirty hours multidisciplinary workshop on 'Art of Reasoning and Critical Thinking' was organized under Nirmitee Kendra, sponsored by RUSA from 18th November, 2019 to 24th December, 2019
- ▶ Screening of the movie 'The Waking Life', was followed by an appraisal on 24th September, 2019.
- ▶ Swami Chidananda founder of FOWAI (Flame of Who Am I) & an expert on J. Krishnamurthi's philosophy, delivered a talk on 'Choiceless Awareness' on 9th September, 2019.
- ▶ Ms. Mayan Sanker delivered a talk on 'Judaism – Yesterday, Today and Tomorrow' for students of Comparative Study of Religions on 24th July, 2019.
- ▶ Dr. C.D. Sebastian, Professor in Humanities and Social Sciences, IIT Bombay delivered a talk on 'Rationality in Indian Philosophy' on 23rd July, 2019.
- ▶ An orientation on future prospects in Philosophy was conducted by the batch of illustrious alumnus on 29th June, 2019.
- ▶ Mr. Sandeep Solanki, professional Yoga trainer conducted a Chair Yoga session for staff on International Yoga Day, 21st June, 2019.

Students' Participation In Seminars/Specialtraining/ Workshops/Field Visit

- ▶ Students of Comparative Study of Religions, Applied component paper, visited Sri Dashmesh Gurudwara on 6th March, 2020.
- ▶ Mr. Roshan Christopher, TYBA, Ms. Anjali Ramanathan, SYBA, Ms. Apoorva Agashe, SYBA and Ms. Harshada Borade, SYBA presented papers during the Two Day



National Seminar on 'Gandhi's Writings on Indian Culture', under the aegis of MAKAIAS, jointly organized by Department of Philosophy, SIES College on 27th and 28th February, 2020.

- ▶ Mr. Roshan Christopher, TYBA, Ms. Anjali Ramanathan, SYBA, Ms. Apoorva Agashe, SYBA and Ms. Harshada Borade, SYBA participated in the students' symposium at G.N. Khalsa College as a part of the Centennial Trinity of 'Ba Bapu Bagh', joint venture three day mega students' activity by SIES College and G.N. Khalsa College on 28th January, 2020.
- ▶ Students of Comparative Study of Religions, Applied component paper, visited Svetambar Jain Derasar on 23rd January, 2020.
- ▶ Ms. Sayoni Ghosh, TYBA attended a certificate course in 'Philosophical Praxis' conducted by K.G. Joshi College of Arts and N.G. Bedekar College of Commerce from 2nd to 7th December, 2019.
- ▶ The departments of Philosophy, History and Politics jointly organized an academic visit to Raigad, Dapoli and Indapur from 14th to 17th November, 2019.
- ▶ TYBA Philosophy students visited Kaivalyadham Yoga Institute on 29th August, 2019.

Students' Achievements

- ▶ Mr. Harsh Jain, from SYBA Philosophy was awarded First prize and Ms. Harshada Borade, SYBA was awarded Second prize, in the Intercollegiate Seminar for Students, at Ram Niranjana Jhunjhunwala Collge (Autonomous), on 7th March, 2020.
- ▶ Ms. Anjali Ramnathan, SYBA student was awarded Consolation prize for her paper 'Reappraising Gandhian Approach to Casteism' at students' symposium at G.N. Khalsa College as a part of the Centennial Trinity of 'Ba

Bapu Bagh', three day mega students' activity through joint venture by SIES College and G.N. Khalsa College on 28th January, 2020.

- ▶ Ms. Harshada Borade, from SYBA, was awarded First Prize in the Annual Intercollegiate Essay Writing Competition held in commemoration of Birth Anniversary of Swami Vivekananda by Ramkrishna Mission, Mumbai on 12th January, 2020.



Physics

- ▶ Conducted 48 hours(2 credits) inter-disciplinary add-on course "Basic Astronomy" in collaboration with Khagol Mandal for undergraduate students .
- ▶ Physics Department was renamed as Prof. C.P.Narayan Menon Department of physics on 11th January, 2020. The function was presided by President of SIES Dr. V. Shankar. Prof. Menon's family members were felicitated during this function.
- ▶ Our Alumnus, Dr. Aditya Togi of University of Montana delivered a lecture on "Astronomy for all" for UG and PG students on 10th August, 2019.
- ▶ Dr. Abhay Despande, Grade E Scientist, of SAMEER (Society for Applied Microwave Electronic Engineering and Research) delivered a talk on 'Particle Accelerator in Cancer Therapy' on 19th July, 2019.

Students' Participation in Seminars/ Workshops/ Field Visits

- ▶ Ms. Veena Menon and Mr. Vikram More of MSc (Physics) part-II attended a workshop on "Lasers, fiber optics and optical communication, Fiber sensors" held at



Politics

- ▶ An event titled "Towards Better Governance", where students of SYBA (Politics) made presentations based on local surveys and assessment of Municipal Corporation of Greater Mumbai's (MCGM) Central Complaints Registration System (1916), was organized on 4th March, 2020.

- ▶ Ms. Subhiksha Raman, TYBA received "Suniti Telang Endowment Prize for Best All-rounder Student of the Year," on 2nd January, 2020.

Value added course

- ▶ The Six months Diploma Course 'Yoga Upasana' added with Credits in this academic year for student participants across all streams.

IWSA(Indian Women Scientists Association) on 6th and 7th March, 2020.

- ▶ MSc students visited Society for Applied Microwave Electronics Engineering and Research (SAMEER) on 28th February, 2020.
- ▶ TYBSc students visited TIFR as part of the National Science day activities organized at the Institute on 28th February, 2020
- ▶ Conducted a one-day visit to Umroli for overnight "Star Gazing" trip in association with Khagol Mandal for undergraduate students on 20th February, 2020.
- ▶ Five students of MSc (Physics) part-I attended workshop on "Beneficial Effects of Nuclear Radiation and Indian Nuclear Energy Program" organized by Indian Association for Radiation Protection in collaboration with Department of Physics, K J Somaiya college of Science and Commerce on 1st February, 2020.
- ▶ SYBSc, TYBSc and MSc students visited Indian Meteorological Department (IMD), Colaba on 3rd December, 2019 and 7th January, 2020.

Students' Achievements

- ▶ Ms. Afreen Shaikh of MSc(Physics) part-II won the second prize in the physical science category of Jignyasa, conducted on 8th January, 2020.
- ▶ A visit to the Maharashtra Legislative Assembly was organized for the students of FY, SY and TYBA was organised on 26th February, 2020.
- ▶ Sonia Gupta, senior faculty at Lakshya Academy (Mumbai) delivered a guest lecture on 'Preparing an Orientation for UPSC & MPSC Examinations' on 5th February, 2020.
- ▶ Christopher Grossman, Chief of Political and Economic Affairs at the US Consulate General, Mumbai conducted a guest lecture on 'A History of Race & Affirmative Action



in the United States' on 23rd January, 2020.

- ▶ As part of the college annual literary festival Utkarsha, 'Res Publica' was organised on 2nd January, 2020. Two politico-literary events viz. 'Weaving Narratives' and 'Poetry & Politics' were convened under 'Res Publica'.
- ▶ A Study Tour on Agro Tourism was organised to Saguna Baug, Neral for 34 students of SYBA studying Travel And Tourism Management on 23rd December, 2019.
- ▶ The students of TYBA (Politics) were taken on a visit to Dosti House, US Consulate on 20th December, 2019. During the visit, students attended a talk on India-US Relations by Ms. Lourdes Ortega, Executive Manager, US Consulate General, Mumbai. Dr Rashmi Bhure & Mrs. Varsha Muley accompanied the students.
- ▶ A Workshop on 'Understanding Municipal Corporation of Greater Mumbai's (MCGM) Central Complaints

Registration System (1916)' was conducted on 4th December, 2019. The workshop was delivered by Mr. Balwant Kirar and his associates from the Praja Foundation.

- ▶ A Quiz Event based on the Constitution of India as part of the 'Constitution Day' celebration was organized on 26th November, 2019.
- ▶ A study tour was organized for TYBA Politics students to Raigad, Dapoli and Mangaon from 14th November to 17th November, 2019.
- ▶ A guest lecture, in association with the Gender Sensitization Cell, on 'Towards a Digitally Secure India' was conducted by Mr. Nikhil Mahadeshwar, a cyber-security expert working closely with the cyber cells of the Mumbai Police, on 27th August, 2019.
- ▶ A Heritage Walk in South Mumbai, guided by Anuja Joshi, an Archeologist, was organized for 35 SYBA students of Travel And Tourism Management on 25th August, 2019.
- ▶ A visit to the National Museum of Indian, Grant Road was organized for 35 SYBA students of Travel And Tourism Management on 22nd August, 2019.
- ▶ A guest lecture, in collaboration with Praja Foundation, on 'Empowering Citizens through Right to Information' was conducted by Mr. Shailesh Gandhi, Former Chief Information Commissioner (CIC) on 26th July, 2019.
- ▶ A screening and discussion on Clint Eastwood's 2005 film 'Invictus', based on the post-apartheid social reconstruction led by President Nelson Mandela in

South Africa, was organised to commemorate Nelson Mandela's birth anniversary on 18th July, 2019.

- ▶ A field visit to the National Museum of Indian Cinema was organised for TYBA students on 11th July, 2019.

Students' Achievements/ Accolades/ Internships/ Fellowships

- ▶ Geethu Pillai (SYBA) and Viraj Shende (SYBA) were

selected as Praja Fellows for the year 2019-20.

- ▶ Shourya Gori (SYBA), Rutuja Tawde (SYBA) and Tanishqa Raje (SYBA) completed their internship at the Praja Foundation.
- ▶ Pratiksha Gupta and Tulika Palsikar won the Third Prize at the Quiz event Foodbuzz at Yatra La Vista 2019-20 organized by the Ramnarain Ruia Autonomous College, Mumbai on 9th January, 2020.



- ▶ Guest lecture on 'Applications of Mindfulness in day-to-day Living' by Ms. Chitra Kelkar was organized on 9th August, 2019.
- ▶ Ms. Rasika Karkare, a Counseling Psychologist, an Alumni of the department conducted a workshop on counseling skills of 'Empathy' for TYBA Psychology students on 1st August, 2019.
- ▶ Dr. Neha Karnik, Assistant Professor from Department of Economics delivered a lecture on 'Ethics of Research' for TYBA Psychology students on 12th July, 2019.
- ▶ An orientation session by the faculty was organized for the current batch of TY Psychology students to inform them about the TY Psychology course structure, evaluation pattern and course demands on 15th June, 2019.

Psychology

- ▶ Dr. Mrinalini Purandare delivered a guest lecture on 'Writing and Publishing a Research Paper' for TYBA Psychology students on 5th March, 2020.
- ▶ Ms. Ketki Doshi, from Sisters Living works, an NGO, conducted a workshop on 'Suicide Prevention' for TYBA Psychology students on 28th February, 2020.
- ▶ Dr. Subi Yoosuf, Assistant Professor from Department of Biotechnology, delivered a guest lecture on 'Understanding Genetics' for TYBA Psychology students on 27th February, 2020.
- ▶ Dr. Leela Subramanian conducted a workshop on using 'R software for data analysis' for TYBA Psychology students on 24th and 25th February, 2020.
- ▶ An amount of Rs. 20,000/- was raised during the fund-raising activity named 'Monday with Maslow' organized on 27th January, 2020. The amount was donated to the NGO, Deepstambh Foundation.
- ▶ Dr. Kamala Srinivas conducted a guest lecture on 'Work Culture and Organizational Behaviour: An Indian Perspective' on 10th January, 2020.
- ▶ Ms. Vrushali Gupte conducted a guest lecture on 'Role of Indian Ethos in Employee Motivation' on 9th January, 2020.
- ▶ Psychology Association organised a Psychology-based exhibition named Psych-fair and an open-mic programme named 'Emotions Unleashed' as part of Utkarsh 2020 on 2nd January, 2020.
- ▶ A study tour was organized to Jalgaon to visit Gandhi Teerth, Jain Irrigation project and Deepstambh Foundation for 18 students of Psychology from 6th to 9th November, 2019.
- ▶ Guest lecture on 'Experimental Psychology: Past, Present and future' by Dr. Vivek Belhekar was organized on 19th August, 2019.

Students' Achievements

- ▶ Ms. Anuya Patil, Ms. Anmol Bhargava, Ms. Divya Iyengar and Ms. Sahana Mudlapur, students of TYBA Psychology presented their research at Avishkar Research convention 2019-20 organised by Mumbai University.
- ▶ Ms. Divya Iyengar, (TYBA Psychology) won first prize at Jigyasa Inter-collegiate
- ▶ Research Meet (Psychology-Philosophy subcategory) organized by our college.

Junior college

- ▶ Students participated in two day Psychology festival named 'Psychedelia' on 24th and 25th February 2020
- ▶ Organized singing competition intra college event 'Mann ke Geet' on 3rd January 2020
- ▶ Organized 'Path to Success' workshop for students to deal with exam stress by Ms. PalackMucchani – Psychologist from Fortis Hospital on 24th December 2019

Statistics

- ▶ An interactive and informative talk on 'Applications of Statistics in Market Research' was conducted by Ms. Geeta Zankar on 25th January, 2020.
- ▶ Intermediate level course on r software: Learning R software being the need of the hour, the department of Statistics conducted an intermediate level certificate course in R software with the help of funding from RUSA. 25 students benefited from the course.
- ▶ National Statistics Day was celebrated on 29th June, 2019 in the memory of late Prof. P. C. Mahalanobis.
- ▶ SYBSc and TYBSc students worked on various projects in teams which sharpened their analytical thinking and developed communication and presentation skills.
- ▶ Students also participate in NSS, NCC, Sports and Cultural activities. Remedial lectures are arranged for such students and the other students from time to time.
- ▶ SYBSc and TYBSc students were taken for an Industrial Visit to Udaipur. They visited Dainik Bhaskar Production Unit and studied the quality control operations.
- ▶ Students organized multiple events under the aegis of the department called Pyro-Stats in the literary and fine arts college festival Utkarsha.

- ▶ Students participated 'Pro Social Peer Moderator Workshop' at Fortis Hospital Vashi on 26th November 2019
- ▶ Organized suicide prevention workshop 'Unmute Yourself' on 15th November 2019
- ▶ Organized elocution competition 'Kindness – My views' for students to express their views on the value 'Kindness' on 27th September 2019
- ▶ Organized 'Streaming of Educational Videos and Short Film on Psychological Topics' on 18th September 2019
- ▶ Organized guest lecture on the topic 'Addiction: From Drug and Substance to Internet and Screen' by Dr. Kedar Tilwe - Psychiatrist, Fortis Hospital on 28th August 2019
- ▶ Organized streaming of 'Educational Videos and Short Film Related to Psychological Topics' on 1st August 2019
- ▶ Students participated in Internship Program organized by Fortis Hospital Vashi from 3rd June 2019 to 8th June 2019



Student Achievements/ Accolades/ Internships/ Fellowships

- ▶ Students of TYBSc represented the college at a National level competition 'Sankhyakriti, Application of Statistics' held at Vishwakarma University, Pune on 31st January, 2020. The team consisting of Gayathri Iyer, Bhargavi Ghogale, Jewel Jacob and Aakanksha Nagane stood first in the competition for their project 'The Story of a Cup'.
- ▶ At the inter-collegiate competition, Jigyasa on 8th January,

2020, the team of Husnain Shaikh and Hunain Shaikh bagged the second prize under the Humanities section for their project 'Usual but Unusual'.

- ▶ Tanish Telisara from TYBSc stood first in the NPTEL online certified course called 'Regression Analysis'.
- ▶ Godwin Crasto from SYBSc was in the top 5% of the certified candidates in the NPTEL online certified course called 'Operations Research'.
- ▶ Mohit Vig from TYBSc is interning at Reliance, Ghansoli in the Sports Analysis division.



Tamil Association

- ▶ 'Tamizh Thiruvizha 2020' – Celebration of Pongal Festivity & Traditional Food Stalls on 24th January, 2020.
- ▶ 'Karthigai Deepam' was a special kolam competition organized on 11th December 2019, to showcase one's artistry with colors and intricate traditional patterns.
- ▶ As a tribute to the Bharat Ratna Dr. M.S.Subbulakshmi, 'In Memoriam' a jam of some of the best vocalists and

instrumentalists was organized in association with Cultural Association on 11th December, 2019.

- ▶ 'Sindhipom Seyalpaduvom' an interactive and brainstorming session on a broad topic- 'LOVE' was held on 3rd December, 2019.
- ▶ 'Vasippom Nesippom' – observed 'Maharashtra Reading Day' on 15th October, 2019.
- ▶ 'Pattimandram' – A navaratri special debate competition titled 'Whether Tamil Culture and Language are Flourishing or Withering in Mumbai City' on 30th September 2019.



Zoology

- ▶ The department conducted an event NEONSENSE under Utkarsha 2020, 45 students participated and 3 winners were declared.
- ▶ MSc Oceanography excursion to Satpati, Palghar on 1st March, 2020.
- ▶ Three issues of Departmental newsletter 'LIFE' were published online on College website.
- ▶ Excursion to Katraj Snake Park, Pune was organized for students of FYBSc on 14th January, 2020.
- ▶ SYBSc excursion to Dapoli was organized on 21st and 22nd January, 2020.
- ▶ A field visit to Dandeli was organized for TYBSc students from 14th to 17th December 2019
- ▶ TYBSc Fishery Biology visit to Versova Fish landing centre was on 15th February, 2020.
- ▶ An alumnus of SIES Ms. Sanchi Dhinoja spoke to FYBSc and TYBSc students on career prospects of Genetic counselling.

- ▶ Ms. Yashodhara Bhattacharya, alumnus of SIES spoke to TYBSc students on career prospects in Pharma company and Genetic counselling.
- ▶ A talk on career prospects in Ireland was delivered by alumnus of SIES, Ms. Shruthi Talekar.
- ▶ A guest lecture on 'Marine Life Of Mumbai' was delivered by Mr Pradip Patade.
- ▶ Mr. Tarun Menon delivered a guest lecture on 'the wonderful birds of Uttarakhand'.
- ▶ Mr. Shantanu Patke guided students on career prospects in New Zealand.

Students' Achievements/Internships

- ▶ Ms Pooja Sawant, MSc, 2019 student cleared CSIR-NET-JRF.
- ▶ Ms Deepika Negi did internship with Nehru Science centre.
- ▶ Ms. Anoushka Kumar finished her internship at Delhi on the project "kites of Delhi" under joint venture of WII and Department of Zoology, Oxford University, United Kingdom.

ACADEMIC ENGAGEMENTS



Arts

Economics

Shruti.R.Panday

Publications

- ▶ Published an article in Samaj Samvad in July 16 issue on "Monsoon- Arthvayshtha and Rajnity par Aasar." With ISSN 2394-8477.

Paper Presentations

- ▶ Presented a paper on "Make in India- an Answer to Service led growth" in an International Interdisciplinary conference organized by K M Agrawal College, Kalyan. The paper was published in an edited book with ISSN 2231-5063.

Miscellaneous

- ▶ Member of organizing committee and attended the Two Day International Seminar on 'Mapping Indian Diaspora – Issues and Perspectives' was organized by the Department of Humanities, sponsored by RUSA on 13th – 14th December, 2019.

Sampath V. Sambasivan

Miscellaneous

- ▶ Worked as a member of organizing committee and attended the Two Day International Seminar on 'Mapping Indian Diaspora – Issues and Perspectives' was organized by the Department of Humanities, sponsored by RUSA on 13th – 14th December, 2019.
- ▶ Was invited to judge the first stage of 55th A.D Shroff Memorial Elocution Competition held at SIES College of Arts, Science & Commerce, Sion (W) on November 27, 2019.

English



Lakshmi Muthukumar

Publications

- ▶ Published a research paper titled "Environmental Activism and Eco-Fiction" in the Bilingual Peer reviewed online Journal Setu; Vol. 4; Issue 8; January 2020. ISSN 2475-1359. Published from Pittsburgh, USA.
- ▶ Published a paper titled "Contemporary Indian Crime Fiction: Maps of Criminality and Detection" in the conference proceedings of a One Day National Conference on Emerging Trends in Literature organized by the Gogate-Walke College of Arts, Sindhurdurg district in June 2019. ISBN: 978-81-925027-1-7.

Paper Presentations

- ▶ Presented a paper titled "Making a Case for a Change in the Language Policy with Specific Reference to English at the Undergraduate Level: Reinforcement for Empowerment" at a Two Day International Conference organised by the International Network on Language Education Policy in collaboration with Research Chronicler on 17th and 18th December 2019 at the Marathi Bhasha Bhavan, University of Mumbai.
- ▶ Presented a paper titled "Eco-Fiction as Fiction with a Conscience" at a One Day National Seminar entitled "Eco Past and UN/sustainable Futures: The Literatures of Climate Change", organized by the St. Andrews College, Bandra, on 13th September 2019.

Guest Lecture/ Resource Person

- ▶ Conducted a Webinar for students across Chennai, Bangalore and Hyderabad on “The Importance of Communication in our Professional and Personal Lives” on 23rd June 2019. The Webinar was facilitated by the management of Kaveri Elevators, a company based in Hyderabad.

Appointed to Government/University/College bodies

- ▶ Member, Board of Studies, Smt. MMP Shah Women’s College of Arts and Commerce, Wadala, 2019.

Miscellaneous

- ▶ Organized a one day workshop on Research Methodology on 27th January 2020 for research scholars pursuing their PG, M.Phil and Ph.D. in association with the Departments of Politics and Philosophy.
- ▶ Invited to preside as Chief Guest for the Lang Lit Fest organized by the B.K. Birla College, Kalyan, on 21st January 2020.
- ▶ Invited to judge a Book review Competition by the Department of English, SIES College of Commerce and Economics, Sion East, on 10th January 2020.
- ▶ Was part of the Organization Committee of a Two Day International Conference “Mapping Indian Diaspora: Issues And Perspectives” on 13th And 14th December 2019 sponsored by RUSA.

Seema C.**Paper Presentation**

- ▶ Presented a paper titled “Problematizing Diaspora: Against Deploying Diaspora as a Typological Tool” at the Two-Day International Seminar on Mapping Indian Diaspora: Issues and Perspectives held by the Department of Humanities, SIES College, Sion (W) on 13th and 14th December 2019.

Guest Lecture/ Resource Person

- ▶ Was invited as Guest Lecturer for the Post-Graduate Diploma Course, PGDASS, at the Department of Statistics, University of Mumbai in February-March 2020.

Awards/Recognitions

- ▶ Successfully defended PhD thesis on Re-Imagining History in Postmodern Fiction: A Study of Select Works

by Orhan Pamuk and Mo Yan on 6th December 2019 at the University of Mumbai.

Miscellaneous

- ▶ Was a judge for the Research Convention, Jigyasa 2019-20, held at SIES College, Sion (W) on 8th January, 2020.
- ▶ Was part of the Organizing Committee of the Two-Day International Seminar on Mapping Indian Diaspora: Issues and Perspectives held at SIES College, Sion (W) on 13th and 4th December, 2019.

Vidya Hariharan**Publications**

- ▶ Published an article in Adhyaapanam - SIES College’s Institute of Comprehensive Education titled ‘A Woman’s Place: Creating Safe Public Spaces for Women in Urban Areas’ in Vol V Issue 1 April 2019- Nov 2019.
- ▶ Published a research paper ‘Creating Social Space: A Study of Spatial Subversion in Majula Padmanabhan’s Harvest in June 2019 in the conference proceedings of a One – Day National Conference on ‘Emerging Trends in Literature’ organized by the Department of English, Gogate – Walke College of Arts, Sindhudurg. ISBN no. 978-81-925027-1-7.

Paper presentation

- ▶ Presented a paper ‘A Visualization of Soja’s Thirdspace in Thayil’s Narcopolis’ at a 2-Day International Conference by the Department of English, University of Mumbai on 17th and 18th February 2020.

Hindi**Dinesh S Pathak****Publications**

- ▶ Published a research article titled- “Bharateeya Navjagaran ke vaicharik aadhaar” in the book Adhunik hindi sahitya kee vaichaarik prishthbhoomi, (ISBN - 978-81-942507-1-5), published by Naman Prakashan, New Delhi, in the month of October, 2019.
- ▶ Published an article titled- “Swapnadansh : Filmi duniyaa kaa kadvaa sach” in the book Rachnadharmi Devesh Thakur (ISBN - 978-81-942507-0-1), published by Naman Prakashan, New Delhi, in the month of October, 2019.
- ▶ Published one research article titled- ‘Ikkisvi sadee kee Hindi Kavita: Shilp va Bhasha ke naye prayog’ in the book- ‘Ikkisvee sadi aur Hindi’. ISBN978-81-936405-0-0. In the month of July, 2019.

Paper Presentation**International Seminar**

- ▶ Mr. Dinesh Pathak presented a paper on “Kamayani poorv Jayashankar Prasad kee kavitaon mein saanskritik chetna’ in an international seminar, jointly organised by the Dept. of Hindi, University of Mumbai and ‘Mahakavi Jayashankar Prasad Foundation’ on 17th and 18th February, 2020.
- ▶ Presented a paper in the two day RUSA funded Diaspora seminar on the topic ‘Sanskritik sanskraman ki chunautiyaan aur Hindi pravasi katha sahitya’ organized by Humanities dept. SIES College of Arts, Science and Commerce, Sion (W), on 13th and 14th December, 2019.

National Seminar

- ▶ Presented a Paper titled ‘Kamayani poorv Jayshankar Prasad ka Padya Sahitya’ jointly organized by Maharashtra Rajya Hindi Sahitya Akadami, Mumbai and K.C. College, Churchgate, on 30th January, 2020.
- ▶ Presented a Paper on ‘Film-lekhan prakriya’ organized by Department of Hindi, St. Xavier’s College, Mumbai, on 25th January, 2020.

Appointed to Government/University/College bodies

- ▶ Invited as a BOS Member – Subject Expert by Hindi Department, Sophia College (Autonomous) on 11th September, 2019.

- ▶ Invited as a BOS Member – Alumni by Hindi Department, Ramniranjan Jhunjhunwala College (Autonomous), on 17th June, 2019.

Miscellaneous

- ▶ Invited as a Judge by Central Bank of India to judge an All India level Official Language Implementation Exhibition on 10 January, 2020.
- ▶ Invited as a Judge by the College to judge a Research Poster Presentation Competition event named as Jigyasa for Humanities, 08th January, 2020.

History**Varsha Muley****Guest Lectures/ Resource Person**

- ▶ Invited as a Guest speaker at the inaugural program of the Marathi Vangmay Mandal, ‘Amchya Shivabanche Swarajya’ at Mulund College of Commerce, to speak on fort ‘Raigad’ and on ‘Marathi Culture’, on 20th January 2020.

Miscellaneous

- ▶ Reviewed the Article of Dr. Radha Kumar, Associate Professor, Department of Ancient Indian Culture St. Xavier’s College, titled, “Ethics and Sculptures- A Case study of Shiva Sculptures of Kambatthadi Mandap”, on 2nd March 2020.
- ▶ Invited to chair a session on ‘Mahatma Gandhi’s Views on Education’, at the two day National Seminar on 27th and 28th February 2020. Gandhi’s Writings on Indian Culture’ organized by the department of Philosophy and Maulana Abulkalam Azad Institute of Asian Studies, an Autonomous Institute funded by the Ministry of Culture of the Government of India. Kolkatta, on, ‘Gandhi’s Writings on Indian Culture’.
- ▶ Part of the Organizing Committee of the Two-Day International Seminar on Mapping Indian Diaspora: Issues and Perspectives held at SIES College, Sion (W) on 13th and 4th December, 2019.

Marathi**Anuya Dharap****Guest lectures/Talks/Resource Person**

- ▶ Invited as a guest lecturer at Rotary Club- Saudamini, Dombivali(E) on the occasion of Teachers Day. Delivered



a talk on the topic 'आपणच आपले शिक्षक होऊया', on 12th September 2019.

Miscellaneous

- ▶ Compared a musical program 'गाणी मनातली, गाणी ओठातली' on the occasion of Mahashivratri, organised by 'Swarabarasat', Karjat on 20th February 2020.
- ▶ Interviewed six popular personalities from Dombivali doing exemplary work in different fields of our society like educational, cultural, literary, medical and civil areas, making radical changes to improve the quality of life. 'Nagari Abhiwadan Nyas' Dombivali honored these personalities. Ex Vice Chancellor of Mumbai University, Dr. Snehalata Deshmukh was present as a chief guest for this program.
- ▶ Performed in a poetry based program 'काव्यगंध' organized by 'Kavya Rasik Mandal', Dombivali on 22nd December 2019.
- ▶ Comparer for devotional songs program, 'स्वरांजली' on the occasion of Datta Jayanti organized by 'Audumbar katta', Dombivali on 11th December 2019.
- ▶ Compared a musical program 'सूरमयी संध्या' for famous classical vocalists Ms. Mugdha Vaishampayan and Mr. Dhananjay Mhaskar on 28th October 2019.
- ▶ Compared two classical music programs - 'स्वस्मेघ' on 15th September 2019 and 'प्रातस्स्वर' on 27th October 2019, organized by 'Anaahat' group, Karjat.
- ▶ Recited some poems of renowned Marathi poets in the program 'कवितिचे बेट' organized by SAAZ music academy on 23rd June 2019.
- ▶ Compared a musical program 'शतजन्म शोधताना', organized by 'Tihai Group' Dombivali on 15th June 2019.

Philosophy

Uma Maheswari Shankar

Paper Presentations

- ▶ Presented a paper on 'Gandhi and Forgiveness' during the Two Day National Seminar on 'Gandhi's Writings on Indian Culture' organized by Maulana Abul Kalam Azad Institute of Asian Studies (MAKAIAS), Kolkata, an Autonomous Body under Ministry of Culture, Govt. of India, in association with Department of Philosophy, SIES College, on 27th and 28th February, 2020.
- ▶ Presented research paper on 'Reconciliation of Advaita and Bhakti in Madhushana's Bhagawat Bhakti Rasayana' at the National Seminar on 'Vedas, Vedangas and Darshanas' organised by Bhartiya Vidya Bhava, Pudukode, Kerala on 25th and 26th February, 2020.
- ▶ Presented research paper on 'Issues on diversity: religious and philosophical perspectives' at B.R. Ambedkar University of Social Sciences, MHOW, Indore on 12th and 13th October, 2019

Guest Lectures/ Resource Person

- ▶ Chaired a session on 'Swadeshi Spirit of Language, Literature and Culture' during the Two Day National Seminar on 'Gandhi's Writings on Indian Culture' organized by Maulana Abul Kalam Azad Institute of Asian Studies (MAKAIAS), Kolkata, an Autonomous Body under Ministry of Culture, Govt. of India, in association with Department of Philosophy, SIES College, on 27th and 28th February, 2020.
- ▶ Delivered Valedictory address during the NAAC Seminar at SIES Nerul on 15th February, 2020.
- ▶ Invited to give a talk on 'Indian Ethos and Management' as a resource person during the Refresher Course at SIES Sion East, on 12th February, 2020.
- ▶ Gave a talk on 'Samadhi for common people' at Yoga Vidya Niketan, 8th February, 2020.
- ▶ Invited as a Resource person to deliver a lecture on 'A Philosophical Perspective on Space and Time' at the 'Research Methodology Workshop' at SIES College, Sion West on 27th January, 2020.
- ▶ Special Talk on contribution of Women Philosophers/Saints towards Social Transformation during One Day National Seminar on Ki & Ka - Gender Equality and Sustainable Development organized by SIES ICE on 18th January, 2020.

- ▶ Delivered a lecture on 'Bhakti in Advaita Vedanta' for P.G. Diploma Course in Bhakti, Department of Sanskrit, University of Mumbai on 28th September, 2019
- ▶ Gave a talk on 'Critical Thinking' organized by SIES College, under Jignyasa on 13th August, 2019.
- ▶ Delivered series of four lectures on Indian philosophy for International Students pursuing PhD in Philosophy at Govardhan village, Palghar on 1st & 2nd August, 2019.

M.A/Ph. D. Guidance

- ▶ Successfully guided Mr. Christopher Fernandes for his completion of M.A. in Philosophy by research on 23rd October, 2019 at University of Mumbai.
- ▶ Successfully guided in completion of Ph.D. Degree of Shri. V.H. Krishnan on 24th September, 2019.

Appointed to Government/University/College bodies

- ▶ Advisory for CDC and IQAC of Sahyadri Shikshan Seva Mandal, Arts and Commerce on 25th September, 2019.

Miscellaneous

- ▶ As the Head of the Institution and Chairperson, spearheaded four significant events-
- ▶ International Conference on 'Natural Products-Quality, Safety and Efficacy', under the aegis of Ministry of Human Resource Development, RUSA, jointly organised by Faculty of Science, SIES College on 6th and 7th March, 2020.
- ▶ Centennial Trinity of Ba Bapu Bagh a three day mega students' activity jointly organized by SIES College, SIES Past Students' Association and G.N. Khalsa College, 28th - 30th January, 2020.
- ▶ Two Day National Seminar on 'Gandhi's Writings on Indian Culture', organized by Maulana Abul Kalam Azad Institute of Asian Studies (MAKAIAS), Kolkata, an Autonomous Body under Ministry of Culture, Govt. of India, in association with Department of Philosophy, SIES College, on 27th and 28th February, 2020.
- ▶ Two Day International Seminar on 'Mapping Indian Diaspora - Issues and Perspectives' organized by the Department of Humanities, funded by RUSA on 13th - 14th December, 2019.

Kamala Srinivas

Publication

- ▶ Published an article titled 'Belong, Become or else Be Lost! Akan Environmental Philosophy' in the International



Journal of Advance and Innovative Research Vol. 7, Issue 1(XI): January- March, 2020, ISSN 2390-7780 (UGC CARE List of Journal No. 63571), 4th March, 2020.

Paper Presentation

- ▶ Delivered Papiya Ghosh Memorial Lecture on 'Human Interaction and Identity: An Indian Perspective on Ecology of Place', during the 94th Indian Philosophical Congress, held at North-Eastern Hill University, Shillong, Meghalaya, 9th -11th March, 2020

Guest Lectures/Resource Person

- ▶ Guest talk delivered to TY Psychology students on 'Work Culture and Organizational Behaviour - An Indian Perspective' organised by Department of Psychology on 10th January, 2020.
- ▶ Judged the Intercollegiate Poster Competition during Avishkar Research Meet, University of Mumbai, organised by Jigyasa Reseach Hub, SIES College, on 8th January, 2020.
- ▶ Delivered a talk on 'Research in Humanities' to research scholars, organized by Jignyasa Research Hub on 17th September, 2019.

Miscellaneous

- ▶ Convener for Two Day National Seminar on 'Gandhi's Writings on Indian Culture' organized by Maulana Abul Kalam Azad Institute of Asian Studies (MAKAIAS), Kolkata, an Autonomous Body under Ministry of Culture, Govt. of India, in association with Department of Philosophy, SIES College, on 27th and 28th February, 2020.
- ▶ Was a member of organizing Committee and a compared the sessions in the Two Day International Seminar on 'Mapping Indian Diaspora - Issues and Perspectives' organized by the Department of Humanities, funded by RUSA on 13th - 14th December, 2019.

Vrushali Gupte

Guest Lectures/ Resource Person

- ▶ Guest talk delivered to TY Psychology students on 'Indian Ethos and Work Place Motivation' organized by Department of Psychology on 9th January, 2020.

Miscellaneous

- ▶ Member of the organizing committee for Two Day National Seminar on 'Gandhi's Writings on Indian Culture' organized by Maulana Abul Kalam Azad Institute of Asian Studies (MAKAIAS), Kolkata, an Autonomous Body under Ministry of Culture, Govt. of India, in association with Department of Philosophy, SIES College, on 27th and 28th February, 2020.
- ▶ Member of organizing committee of Centennial Trinity of 'Ba Bapu Bagh', a three day mega students' activity jointly organized by SIES College, SIES Past Students' Association and G.N. Khalsa College, 28th – 30th January, 2020.
- ▶ Member of organizing committee and attended the Two Day International Seminar on 'Mapping Indian Diaspora – Issues and Perspectives' was organized by the Department of Humanities, sponsored by RUSA on 13th – 14th December, 2019.

Rucha Joshi

Paper Presentations

- ▶ Presented a paper titled 'Reclaiming Gandhi as a mystical aesthetician' during Two Day National Seminar on 'Gandhi's Writings on Indian Culture' organized by Maulana Abul Kalam Azad Institute of Asian Studies (MAKAIAS), Kolkata, an Autonomous Body under Ministry of Culture, Govt. of India, in association with Department of Philosophy, SIES College, on 27th and 28th February, 2020.



Miscellaneous

- ▶ Visiting faculty for Post Graduate Program in Philosophy, at Joshi Bedekar College, w.e.f. 12th March, 2020.
- ▶ Member of the Organizing Committee for Two Day National Seminar on 'Gandhi's Writings on Indian Culture' organized by Maulana Abul Kalam Azad Institute of Asian Studies (MAKAIAS), Kolkata, an Autonomous Body under Ministry of Culture, Govt. of India, in association with Department of Philosophy, SIES College, on 27th and 28th February, 2020.
- ▶ Member of organizing committee of Centennial Trinity of 'Ba Bapu Bagh', a three day mega students' activity jointly organized by SIES College, SIES Past Students' Association and G.N. Khalsa College, 28th – 30th January, 2020.
- ▶ Member of organizing committee and attended the Two Day International Seminar on 'Mapping Indian Diaspora – Issues and Perspectives' was organized by the Department of Humanities, sponsored by RUSA on 13th – 14th December, 2019.

Politics

Rashmi Bhure

Publications

- ▶ Contributed a chapter "Sustainable Development Model: Experience from India", in the edited volume by Adluri Subramanyam Raju, Human Security in South Asia: Concept, Environment and Development, New York: Routledge, 2020. ISBN:978-0-367-44487-7 (hbk)
- ▶ Contributed a chapter "Border Management in South Asia: Can we build social and cultural bridges?" in the



edited volume by Adluri Subramanyam Raju, Borders in South Asia: States, Communities and People, New Delhi: Studera Press, 2019. ISBN 978-93-85883-86-6

Paper Presentation

- ▶ Presented paper on "Tracing the Era of Hope through the Lens of Cinema" at the National Conference on 'Cinema through the Lens of History' organised by the Department of History, St. Xavier's College on 11 February 2020.

Guest Lecture/Talks/Resource Person

- ▶ Invited to deliver a talk on "Terrorism on the Indian Celluloid" at Kirti M. Doongurse College, Mumbai, 16 January 2020.
- ▶ Chaired a session on "Diaspora and India's Foreign Policy" in the Two Day International Seminar on 'Mapping Indian Diaspora: Issues and Perspectives' organised by the Department of Humanities on 13 and 14 December 2019.
- ▶ Invited as resource person for panel interview of ER Fellowship Programme by Praja Foundation on 1st October 2019.

Appointed to Government/ University/College Bodies

- ▶ Member Board of Studies in Political Science at SNDT Women's University, Mumbai, 2019.
- ▶ Member Board of Studies in Political Science at S.P. College, Pune, 2019.
- ▶ Member Board of Studies in Political Science at Patkar college, Mumbai, 2019.

Miscellaneous

- ▶ Invited as expert on the interview panel for the selection of Inlaks Scholars 2019 for students seeking admissions to Post Graduate and research programmes in the Foreign Universities, 30 May 2019.
- ▶ Scrutinized the Balbharati Std. XII Defence Studies Textbook (English and Marathi Version), November 2019.
- ▶ Scrutinized the Balbharati Std. XII Political Science Textbook (English and Marathi Version), October 2019.

Vanita Banjan

Paper presentation

- ▶ Presented a paper titled 'Re-negotiating Nationalism: The Indian Diaspora in the USA' at a two day



International Inter-disciplinary Seminar titled Mapping Indian Diaspora: Issues and Perspectives organised by the Department of Humanities, SIES College of Arts, Science and Commerce (Autonomous), Sion (W) on 13th and 14th December 2019.

Guest Lecture/Resource Person

- ▶ Delivered a Guest Lecture on Introduction to Constitution of India to an all woman participants of a five day certificate program for social political activists at Netritva Sadhana organised by Rambhau Mhaligi Prabodhini, Uttan, Bhayander on 5th December 2019.
- ▶ Delivered a lecture on Feminism and Environmentalism for the participants of Post Graduate Programme of Indian Institute of Democratic Leadership an initiative by Rambhau Mhaligi Prabodhini on 11th September 2019.

Miscellaneous

- ▶ Was part of the organising team of a two day International Seminar titled "Mapping Indian Diaspora: Issues and Perspectives" organised by the Department of Humanities, SIES College of Arts, Science and Commerce (Autonomous) on 13th and 14th December 2019.

Ajinkya Gaikwad

Paper Presentations

- ▶ Presented a paper titled "Negotiating the Political Space in the Host Nation: The Case of South Asian Diaspora in Britain" at the International Conference on Diaspora Governance organized by the Centre for Diaspora

Studies, Central University of Gujarat, Gandhinagar on 10th-11th February 2020.

- ▶ Presented a paper titled “Fragmented Identities & Hegemonic Projects: Assessing Subaltern Politics in Contemporary India” at the Indian Council for Historical Research (ICHR) sponsored National Conference on Subaltern Movements in India: Issues & Challenges organized by Ramnarain Ruia College (Autonomous), Mumbai on 10th-11th January 2020.
- ▶ Presented a paper titled “Consensus & Contestation: Reflections on Identity Formation and Disintegration of the South Asian Diaspora in Britain” at the Two-Day International Seminar on Mapping Indian Diaspora: Issues & Perspectives organized by SIES College of Arts, Science & Commerce (Autonomous), Mumbai on 14th-15th December 2019.

Publications

- ▶ Authored an encyclopaedia entry on ‘Diaspora’ for the Marathi Encyclopaedia for International Relations published by the Maharashtra Rajya Marathi Vishwakosh Nirmiti Mandal, Maharashtra (Maharashtra State Marathi Encyclopedia Production Committee), on 03/05/2019; Link: <https://marathivishwakosh.org/3432/>
- ▶ Articles published on The Wire’s (Marathi portal):
 - ▶ मनसेचा ‘राज’मार्ग : नवा झेंडा, नवा अर्जेडा (Realignment of MNS’s Politics), 27th January 2020, Link: <https://bit.ly/3aHrK5c>
 - ▶ जॉन्सन, पोस्ट ट्रुथ आणि बहुसांस्कृतविद् (Johnson, Post truth & Politics of Multiculturalism), 12th September, 2019, Link: <https://bit.ly/351IrFm>
 - ▶ शक्सेनेचे ‘तरुण नेतृत्व’: प्रश्न आणि आव्हाने (Shiv Sena’s Youth leadership: Issues & Challenges), 31st July 2019 Link: <https://bit.ly/2QtgMrH>
 - ▶ आर्टिकल १५: जातभान आणि निविडणुकीचे राजकारण (Article 15: Caste Consciousness and Electoral Politics), 5th July 2019 Link: <https://bit.ly/2u56xCn>
 - ▶ नव्या भारताच्या नमित्ताने (Towards a New India), 19th July, 2019, Link: <https://bit.ly/2MV0WVV>

Miscellaneous

- ▶ Served as Board of Studies Member and Author for the Committee of Civics & Politics at the Maharashtra State Bureau of Textbook Production & Curriculum Research (Balbharti), Pune.

Psychology

Shama Todurkar

Guest Lecture

- ▶ Delivered a guest lecture on the topic –‘Psychological Testing in Counseling’ for students of Institute of Comprehensive Education on 26th September 2019.

Miscellaneous

- ▶ Served as expert on the panel for reviewing Psychology textbook for HSC to be prescribed from the academic year 2020-21 (10th February to 12th February 2020).

Amruta Padhye

Guest Lecture

- ▶ Delivered a guest lecture on the topic –‘Introduction to Counseling Psychology’ for students of Institute of Comprehensive Education on 22nd August 2019.

Junior College

Sneha Jadav

- ▶ Selected as Board of Studies for Textbook Writing for the standard 12th



Biochemistry

Dr. Deepali Kothekar

Minor Research Project

- ▶ Minor Research Project titled ‘Modulation of drug and chemical -induced hepatotoxicity by natural antioxidants: A study using chick embryo model’ was sanctioned a grant of
- ▶ Rs 40,000 by University of Mumbai on 17th March 2020.

Publications/Presentations

- ▶ Presented a poster titled ‘Attenuation of Methotrexate-induced toxicity by Tagetes erecta extract in Danio reiro model system’ in the International Conference ‘Natural

Products -Quality, Safety and Efficacy’ on 6th and 7th March, 2020 organized by SIES College of Arts, Science and Commerce under the aegis of Rashtriya Uchhatar Shiksha Abhiyaan, Ministry of Human Resources, Govt. of India.

- ▶ Presented a poster titled ‘Modulation of monosodium glutamate-induced embryonic hepatotoxicity by natural antioxidants -A study using chick embryo model’ at the International Conference ‘Natural Products -Quality, Safety and Efficacy’ on 6th and 7th March, 2020 organized by SIES College of Arts, Science and Commerce under the aegis of Rashtriya Uchhatar Shiksha Abhiyaan, Ministry of Human Resources, Govt. of India.

Biotechnology

Tara Menon

Papers Published

- ▶ Published jointly with Subi Yoosuf and Prajith Nambiar a paper titled “Impact of project based learning at undergraduate level” in Xplore, The Xavier’s Research Journal Vol:11, 2020, p43-51.ISSN 2249-1878.

Paper presented

- ▶ Presented a paper titled ‘Impact of project based learning at undergraduate level’ in the - International Conference (DISHA) on Evolving Trends in Higher Education on 12th and 13th March 2020 at St. Xavier’s College (Autonomous), Mumbai.

Guest lecture/ Resource person

- ▶ Was a Resource person to mentor TYBSc Biotechnology students at Khalsa College in careers in Biotechnology, on 13th July 2019.

Appointment to Govt/university bodies

- ▶ Appointed member, BOS in the subjects of Biotechnology, Bioanalytical Science and Molecular Biology, University of Mumbai
- ▶ Appointed as Convenor, LIC committee for recognition of research lab for PhD in Biotechnology at SD college, Palghar The visit was completed on 24th July 2019

Subi Yoosuf

Papers Published

- ▶ Published jointly with Dr. Tara Menon and Prajith

Nambiar a paper titled “Impact of project based learning at undergraduate level” in Xplore, The Xavier’s Research Journal Vol:11, 2020, p43-51.ISSN 2249-1878.

Papers presented

- ▶ Presented a paper titled ‘Impact of project based learning at undergraduate level’ in the - International Conference (DISHA) on Evolving Trends in Higher Education on 12th and 13th March 2020 at St. Xavier’s College (Autonomous), Mumbai.
- ▶ Presented a paper titled ‘Formulation and characterization of Thymol, Eugenol and Cuminc acid based nano emulsion for its anti-biofilm activity’ in the International Conference on ‘Natural Products – Quality, Safety and Efficacy’ on 6th and 7th March 2020 at SIES College of Arts, Science and Commerce (Autonomous), Sion (West)

Guest lecture/ Resource person

- ▶ Delivered a guest lecture on “Understanding Genetics” to TYBA Psychology students on 27th February, 2020

Awards and Research Grants

- ▶ Completed Minor research project on “Formulation and Characterization of thymol, eugenol and cuminc acid based nanoemulsion for its antibiofilm activity” granted by the University of Mumbai.

Appointment to Govt/university bodies

- ▶ Member, BOS for the subject of Biotechnology at K.J Somaiya College (Autonomous)

Pramod Kamble

Papers Published

- ▶ Published jointly with Dr. Manju Phadke a paper titled “Antibacterial applications and antioxidant activity of Berberis spp.” in the 5th International conference proceeding, EPHM – 2020, Volume-1, p 47-56 ISBN-978-81-940512-4-4.

Papers presented

- ▶ Presented a research paper on “Ayurvedic plant extract: a panacea for bacterial infections” at the International Conference on ‘Natural Products – Quality, Safety and Efficacy’ on 6th and 7th March 2020.at SIES College of Arts, Science and Commerce (Autonomous), Sion (West)
- ▶ Presented a research paper titled “Antibacterial

application and anti-oxidant activity of Berberis sp.” in the International conference on Environmental pollution and health management on 28th-29th February 2020 at Career College, Madhya Pradesh, Bhopal.

- ▶ Presented a research paper titled “Ayurvedic plant extract: a panacea for bacterial infections” in the 14th Inter-collegiate/ Institute/Department Avishkar Research Convention : 2019-2020 for research project in pure science category for teaching faculty.

Guest lecture/ Resource person

- ▶ Delivered a guest lecture on “Application of Biotechnology” to SYBCom students on 20th February, 2020
- ▶ Appointed as a visiting Faculty for M.Sc II Semester IV in the department of Biochemistry at SIES College

Awards Receive

- ▶ Received second position in the category of Young scientist award at the International conference on Environmental pollution and health management in Career College, Madhya Pradesh, Bhopal on 28th-29th February 2020,
- ▶ Received a bronze medal at 14th Inte-collegiate/ Institute/Department Avishkar Research Convention : 2019-2020 for research project titled “Ayurvedic plant extract: a panacea for bacterial infections” in pure science category in teacher level.

Prajith Nambiar

Papers published

- ▶ Published jointly with Dr. Tara Menon and Dr. Subi Yusoof a paper titled “Impact of project based learning at undergraduate level” in Xplore, The Xavier’s Research Journal Vol:11, 2020, p43-51.ISSN 2249-1878.

Papers presented

- ▶ Presented a paper titled ‘Impact of project based learning at undergraduate level’ in the - International Conference (DISHA) on Evolving Trends in Higher Education on 12th and 13th March 2020 at St. Xavier’s College (Autonomous), Mumbai.

Guest lecture/ Resource person

- ▶ Appointed as a visiting Faculty for M.Sc II Semester IV in the department of Biochemistry at SIES College

Richa Singh

Papers Published

- ▶ Published jointly with Ms. Shraddha, Sweety Wahwani and Balu Chopade paper titled ‘Acinetobacter sp. mediated synthesis of AgNPs, its optimization, characterization and synergistic antifungal activity against C. albicans.’ in Journal of Applied Microbiology, Vol 127 (2), 2019, p 445-458. ISSN 1365-2672.

Guest lecture/ Resource person

- ▶ Appointed as Visiting Faculty at UM-DAE Centre for Basic Sciences (CBS) for Integrated M.Sc (Sem VIII) from 1st January, 2020 for the paper Biotechnology-II (Paper code: B-804).

Miscellaneous

- ▶ Awarded “Best Mentor for the NPTEL Online Certification (NOC) Examination March-April 2019 run” during NOC topper felicitation program cum convocation held on 8th February, 2020 at SIES College

Botany

Mahavir Gosavi

Paper Presentations

- ▶ Presented a research paper titled “Mushrooms as potential anticancer immunocuticals” at International Conference on “Natural Products - Quality, Safety & Efficacy” on 6th & 7th March, at SIES College of Arts, Science & commerce (Autonomous).

Guest Lectures/ Resource Person

- ▶ Was a resource person at the National workshop on “Mycological Techniques” organized by Dnyanasadhana College in association with Mycological Society of India Mumbai Unit, on 15th& 16th February, 2020.

Miscellaneous

- ▶ Was part of organizing committee of the International Conference on “Natural Products - Quality, Safety & Efficacy” held on 6th& 7th March, at SIES College of Arts, Science & commerce (Autonomous).
- ▶ Appointed as Head, Department of Botany from 2nd January, 2020.
- ▶ Reselected as Treasurer of Mycological Society of India Mumbai Unit for tenure of 2020-2023.

Ashwini Deshpande

Paper Presentations

- ▶ Presented a poster titled ‘VAM as natural biofertilizer’ in the International Conference ‘Natural Products- Quality, Safety and Efficacy’ on 6th and 7th February 2020 held at SIES College of Arts, Science and Commerce (Autonomous).

Miscellaneous

- ▶ Was part of organizing committee of the International Conference on “Natural Products - Quality, Safety & Efficacy” held on 6th& 7th March, at SIES College of Arts, Science & commerce (Autonomous).

Neeraja Tutakne

Miscellaneous

- ▶ Completed a Refresher Course in Environmental sciences at V.G. Vaze College, Mulund from 13th Jan to 25th January, 2020.
- ▶ Was part of organizing committee of the International Conference on “Natural Products - Quality, Safety & Efficacy” on 6th& 7th March, at SIES College of Arts, Science & commerce (Autonomous).

V Vishnuprasad

Appointed to Government/University/College bodies

- ▶ Appointed as an external faculty in Ramniranjan Jhunjhunwala College (Autonomous), Ghatkopar for conducting lectures for MSc-I, Sem-II, P-II from December 2019 to March 2020.
- ▶ Selected as a member of the Editorial Board for the International Journal of Ecology and Natural Resources by Medwin Publishers in August 2019.

Miscellaneous

- ▶ Was part of organizing committee of the International Conference on “Natural Products - Quality, Safety & Efficacy” held on 6th& 7th March, at SIES College of Arts, Science & commerce (Autonomous).

Snehal Unde

Miscellaneous

- ▶ Was part of organizing committee of the International Conference on “Natural Products - Quality, Safety & Efficacy” held on 6th& 7th March, at SIES College of Arts, Science & commerce (Autonomous).

Sakshi

Miscellaneous

- ▶ Was part of organizing committee of the International Conference on “Natural Products - Quality, Safety & Efficacy” held on 6th& 7th March, at SIES College of Arts, Science & commerce (Autonomous).

Vinaya Patil

Miscellaneous

- ▶ Was part of organizing committee of the International Conference on “Natural Products - Quality, Safety & Efficacy” held on 6th& 7th March, at SIES College of Arts, Science & commerce (Autonomous).

Siddhi Tawade

Paper Presentations

- ▶ Presented a poster titled ‘Bioactivity and GC-MS analysis of marine brown alga Colpomenia spp from Raigad district’ in International Conference of Plant Biofactories- Strategies and Challenges (19th to 21st Dec 2019) held at Ramnarain Ruia Autonomous College.

Miscellaneous

- ▶ Was part of organizing committee of the International Conference on “Natural Products - Quality, Safety & Efficacy” held on 6th& 7th March, at SIES College of Arts, Science & commerce (Autonomous).

Chemistry

Gayatri Sehgal

Miscellaneous

- ▶ Was part of the organizing committee of the International Conference “Natural Products – Quality, Safety and Efficacy” held on 6th and 7th March 2020 at the SIES College.
- ▶ Organised a one day workshop on “INNOVATIONS” titled “Introduction to Systematic Method towards Problem Solving Using TRIZ” for staff members jointly with Centre for Excellence and TRIZ Association of Asia on 10th August 2019.

George Abraham

Guest Lectures/ Resource Person

- ▶ Delivered a talk on “Careers in Chemistry” at the



Department of chemistry, Elphinstone College on Thursday 25th July 2019 at 1.00pm.

- Was appointed as Judge for Xplore 2020 at Jai Hind College, Autonomous, Churchgate Mumbai on 28th February 2020.

Appointed to Government/University/College bodies

- Appointed as organizing committee member for west zone inter-university student research convention: Anveshan 2019 – 2020 from 17th February 2020 to 21st February 2020.
- Appointed as organizing committee member for 14th Maharashtra State Inter- University Avishkar Research Convention at University of Mumbai, Kalina, Santacruz (E), Mumbai from 25th January 2020 to 31st January 2020.
- Appointed as district co-ordinator for 14th Intercollegiate Avishkar Research Convention 2019 – 20 for Zone II at K. C. College, Churchgate, Mumbai on 4th January 2020.

Miscellaneous

- Successfully completed Online Learning Workshop for Faculty of 8 hours duration held from 1st April to 3rd April 2020 by QASPIR.

Santosh B. Kataria

Publications

- Published a paper titled “Synthesis and Characterization of Gold Nanoparticles using Plant Extract of Terminalia

arjuna with Antibacterial Activity” in Int. J. Nanosci. Nanotechnol., Vol. 15, No. 2, June. 2019, pp. 75-82.

Miscellaneous

- Was invited as judge for the State level National Children’s Science Congress held at Belhe, Dist. Pune on 8th and 9th Dec 2019.

Nitin A Mirgane

Orientation/Refresher Courses Completed

- Completed Online Refresher Course in Chemistry For Higher Education with A Grade organised by ARPIT from 01 Sep 2019 to 31 Dec 2019
- Completed Online Refresher Course in Leadership and Governance In Higher Education Level 2 with C Grade organised by ARPIT from 01 Sep 2019 to 20 Jan 2020.

Seminars/Workshops Organized

- Organised a one day Faculty Development Programme on “Investor Awareness program (IAP) for staff members” organized jointly by Centre for Excellence, SIES College of Arts, Science & Commerce, Sion (W) and SIES Central Training Development in association with Ambition Learning Solutions on 18th October 2019.

Mahalaxmi Nadar

Guest Lecture/Resource Person

- Was invited as a resource person for the workshop titled “Basic Skills in Microsoft Office” for T.Y.B.Sc Biochemistry students on 27th January 2020 and 28th January 2020 at SIES College, Sion (W).
- Was a resource person for the ICT workshop in Basic Spreadsheet Techniques organised by IQAC and Centre for Excellence for staff members on 19th July 2019 and 20th July 2019 at SIES College, Sion West.

Awards/ Recognitions

- Received “Certificate of Appreciation” by Director, Chairman of NPTEL IIT Madras for the instrumental role played as Single Point of Contact (SPOC) for the SWAYAM – NPTEL Local Chapter of SIES College (Autonomous) during the period July – December 2019
- Received “Certificate of Appreciation” for being an Active SPOC during July – December 2019 run in the SPOC workshop held on 13th July 2019 at IIT Bombay.



Miscellaneous

- Was part of organising committee of the International Conference “Natural Products – Quality, Safety and Efficacy” held on 6th and 7th March 2020 at the SIES College of Arts, Science & Commerce (Autonomous), Sion West.
- Completed FDP on ‘TRIZ Level-1 certification’ organized by Centre for Excellence and Departments of Chemistry in association with TRIZ association of ASIA on 16th, 19th and 23rd of February 2020.
- Organised College Level Career Guidance Workshop “Career Opportunities in Audit, International Taxation in India and Abroad” jointly hosted by Centre for Excellence, Department of Commerce and Department of Management Studies in association with Financial Planning Academy and Association of Chartered Certified Accountants (ACCA) at SIES College on 7th December 2019.
- Organised a Mumbai Level Symposium for Faculties and Students titled “Dynamics of Financial Systems in the Digital Era” jointly hosted by Centre for Excellence, Department of Commerce and Department of Management Studies sponsored by Financial Planning Academy at SIES College on 5th December 2019.
- Was appointed as judge of “Sindhivom Seyalpaduvom – An active Interactive session on the topic LOVE” an Intercollegiate event organised by Tamil Association at SIES College of Arts, Science & Commerce on 3rd December 2019.
- Completed five days Summer Training Program on ‘Nanoparticle Synthesis and Characterization’ organised for Research Scholars by B.K. Birla College, Kalyan held between 6th and 10th May 2019.

Computer Science

Manojkumar Singh

Guest Lecture/ Resource Person

- Appointed as judge for judging the paper presentation competition at the inter SVKM research meet , Manshodhan at Mithibai College on 15th February 2020.

Miscellaneous

- Worked as a member in the organizing committee for two days international conference “Natural Products - Quality, Safety and Efficacy” March 6th and 7th March 2020, organized by Department of Science.
- Appointed as Board of Studies member of Department of Computer Science, BMN College , SNDT University , Matunga , Mumbai.

Maya Nair

Awards / Appreciation / Mentoring

- Awarded as Popular Mentor in NPTEL Topper felicitation programme held on 8th February 2020.

Guest Lecture/ Resource Person

- Was a Resource Person for the workshop titled “Basic Skills in Microsoft Office” for the T.Y.B.Sc Biochemistry students of the college in February 2020 SIES College, Sion (W) organized by Department of Biochemistry and Centre for Excellence as a part of ICT.

Miscellaneous

- Portfolio member for two days international conference “Natural Products - Quality, Safety and Efficacy” March 6th and 7th March 2020, organized by Department of Science.
- Board of Studies member of Department of Computer Science, Ramniranjan Jhunjhunwala College (Autonomous) ,Ghatkoper.

Information Technology

Biju Ramesh

Miscellaneous

- Awarded the top performing mentor for the NPTEL Online Certification Course in “Introduction to Programming In C” conducted in June-December 2019.

Mathematics

Vaishali Falnikar

Miscellaneous

- ▶ Invited as judge for poster and paper presentation competition in VES College of Arts, Science and Commerce for the event 'Mathemight 12' on 23rd Jan, 2020

Anoop Sakaria Varghese

Awards/Recognitions

- ▶ Awarded M.Phil. degree in Mathematics under the University of Mumbai for the thesis on "A Study of Some Overdetermined Elliptic Boundary Value Problems" in December 2019.

Microbiology

Manju Phadke

Publications

- ▶ Published a co-authored paper titled 'Biogenic silver and silver oxide hybrid nanoparticles: a potential antimicrobial against multi drug-resistant *Pseudomonas aeruginosa*' in New Journal of Chemistry 2020 Advance Article, Royal Society Of Chemistry on 9th Mar 2020
- ▶ Published a co-authored paper titled 'Isolation of Keratin degraders and development of feather hydrolysate', in IOSR Journal of Environmental Science, Toxicology & Food Technology, eISSN:2319-2402, pISSN:2319-2399, Vol 13, Issue 7 Ser II (July 2019), pp16-26.
- ▶ Published a co-authored paper titled 'Preliminary antimicrobial study of Kantakari (*Solanum Xanthocarpum* Schrd & Wendl) by ditch plate technique' in International Journal of Ayurveda and Pharma research, ISSN:2322-0902 (P), ISSN : 2322-0910 (O) May 2019, Vol 7, Issue 5.
- ▶ Published a co-authored paper titled 'Antibacterial applications and Antioxidant activity of *Berberis* spp', in Environmental pollution and health management, 5th International Conference Proceedings EPHM 2020, Vol 1, ISBN : 978-81-940512-4-4, pp 47-56.

Awards

- ▶ Conferred the 'Distinguished faculty award' by International Academy of Science & Research, Kolkata in July 2019.

- ▶ Won the third prize at Avishkar for guiding a presentation titled 'Ayurvedic plant extracts – a panacea for bacterial infections' on 4th Jan 2020 at K.C College, Churchgate, Mumbai.

Appointments to Government/University/College bodies

- ▶ Appointed on the IQAC of SIESCOMS as External Academic Expert on 22/11/2019.
- ▶ Appointed a Judge for Avishkar, Zonal round to judge UG/PG/PPG in Pure Science, Animal Husbandry and Agriculture sections.
- ▶ Appointed as Judge for Jigyasa, an intercollege Research Scholars meet, held on 8th Jan 2020 at SIES College of Arts, Science & Commerce, Mumbai.
- ▶ Appointed as Board of Studies member B.Sc CLS, SNDT University from July 2020 for a period of five years.

Miscellaneous

- ▶ Completed FDP of 12 weeks on Genetic Engineering-Theory and Applications, conducted by NPTEL. Was awarded the Elite Certificate.
- ▶ Completed FDP of 4 weeks on Functional Genomics, conducted by NPTEL. Was awarded the Elite + Silver Certificate.
- ▶ Appointed as Co-ordinator, Mumbai Chapter for Microbiology Society of India
- ▶ Appointed as Chairperson, External Academic Monitoring Committee, by Maharashtra State Board of Technical Education, Govt of Maharashtra.
- ▶ Worked on the organizing committee for International Conference on Natural Products-Efficacy, Safety and Quality, held on 6-7th march 2020 at SIES College of Arts, Science & Commerce.

Pramod Ghogare

Publications

- ▶ Published a co-authored paper titled 'Isolation of a novel poly- γ -glutamic acid-producing *Bacillus licheniformis* A14 strain and optimization of fermentation conditions for high-level production' in Preparative Biochemistry & Biotechnology (Taylor & Francis), 24 Dec 2020.

Awards

- ▶ Felicitated for securing top 5% rank in Genetic engineering theory and applications, NPTEL course run

by IIT Madras by Centre of excellence on 8th Feb 2020 at S.I.E.S. College.

- ▶ Awarded as Best Mentor for NPTEL course Functional Genomics of Sep-Nov 2019 run by Centre of excellence on 8th Feb 2020 at S.I.E.S. College.
- ▶ Completed Refresher Course in Environmental studies with A grade at V.G. Vaze College, Mulund, from 13th Jan 2020 to 25th Jan 2020.

Miscellaneous

- ▶ Invited for judging the STAR event in annual fest Microbia-2020 at S.I.W.S. College, Vadala on 11 Jan 2020.
- ▶ Completed 12 weeks online FDP course titled "Genetic Engineering: Theory and Application" with 82% (Elite with Silver grade) conducted by NPTEL, IIT Madras on 26 Nov 2019.
- ▶ Invited as a judge for poster presentation in the Two days National seminar on Contemporary issues in Biosciences at CKT college, Panvel on 4th & 5th Feb 2020
- ▶ Worked on the organizing committee for International Conference on Natural Products-Efficacy, Safety and Quality, held on 6-7th march 2020 at SIES College of Arts, Science & Commerce.

Carol Braggs

Paper presentation

- ▶ Presented a poster at IIT Bombay on 26th Jan, 2020 entitled "Study of effect of colloidal silver on *E.coli* persisters"
- ▶ Presented a poster titled "Study of effect of colloidal silver against *E.coli* persister" on 5th and 6th December 2019 at the 15th National research Scholar meet (NRSM).

Awards

- ▶ Won first prize for poster presentation entitled "Study of effect of colloidal silver on *E.coli* persisters" at JIGNYSA intercollegiate event.

Miscellaneous

- ▶ Completed AICTE approved FDP course of 4 weeks on 'Functional Genomics' conducted by NPTEL. Was awarded silver + elite certificate.
- ▶ Worked on the organizing committee for International Conference on Natural Products-Efficacy, Safety and Quality, held on 6-7th march 2020 at SIES College of Arts, Science & Commerce.

Deepika Tambe

- ▶ Won the first prize at National conference on 'Innovative approaches and emerging issues in food and pharmaceutical microbiology' for guiding a poster titled 'Production of omega 6 fatty acids from castor oil using *Lactobacillus plantarum*' presented by MSc student Ketaki Joshi on 2nd and 3rd March 2020 at KBP college, Vashi, Navi Mumbai
- ▶ Won the first prize at international conference on Natural Products-Efficacy, Safety and Quality, for guiding a poster titled 'Production of omega 6 fatty acids from castor oil using *Lactobacillus plantarum*' presented by MSc student Ketaki Joshi on 6th and 7th March 2020 at SIES College of Arts, Science & Commerce.

Flevia Anthony

Miscellaneous

- ▶ Worked in the organizing committee for International Conference on Natural Products-Efficacy, Safety and Quality, held on 6-7th march 2020 at SIES College of Arts, Science & Commerce.

Hera Azmi

Miscellaneous

- ▶ Completed successfully 4 weeks online FDP course entitled "Functional Genomics" with 77% (Elite with Silver grade) conducted by NPTEL, IIT Madras on 25 Nov 2019.

Lynn D'Lima

Publications

- ▶ Published a co-authored paper titled "Biogenic silver and silver oxide hybrid nanoparticles: a potential antimicrobial against multi drug-resistant *Pseudomonas aeruginosa*" in New Journal of Chemistry 2020 Advance Article, Royal Society Of Chemistry published on 9th March 2020.

Awards

- ▶ Was conferred the 'Excellence in Research' award by the International Academy for Science and Research (IASR), Kolkata.
- ▶ Was conferred the 'Best Presentation' award by the International Academy for Science and Research, Kolkata.

Miscellaneous

- ▶ Worked as part of the organizing committee for International Conference on Natural Products-Efficacy, Safety and Quality, held on 6-7th March 2020, at SIES College of Arts, Science & Commerce.

Pooja Mourya**Miscellaneous**

- ▶ Completed successfully 4 weeks online FDP course entitled “Functional Genomics” with 71% (Elite grade) conducted by NPTEL, IIT Madras on 25 Nov 2019.

Physics**Vinod Menon****Miscellaneous**

- ▶ Appointed as Vice-Principal in SIES ASC.
- ▶ Successfully completed training workshop in “Managerial Effectiveness and Leadership Skills to Develop Great Institutions” at ICFAI Business School, Mumbai on 28th August 2019.

Swapnil Jawkar**Guest Lectures/ Resource Person**

- ▶ Invited as a Resource Person at Resource Generation Camp for the Astronomy OCSC, held at HBCSE, Mumbai on 15th March 2020.
- ▶ Was a Resource person for the “star gazing” program conducted by Khagol Mandal on 20 Feb 2020 for SIES college students at Umroli.
- ▶ Delivered two lectures as resource person for Certificate Course in Astronomy conducted by Extra Mural Studies Department of University of Mumbai on 15th September 2019 and 22nd September 2019 held at Center for Excellence in Basic Sciences, Kalina Mumbai.
- ▶ Delivered a lecture as resource person for the Credit Course in Basic Astronomy conducted by Jai Hind College on 14th September 2019.
- ▶ Was a Resource Person at Resource Generation Camp for Indian National Astronomy Olympiad, held at HBCSE, Mumbai on 9th November 2019.

Appointed to Government/University/College bodies

- ▶ Was appointed as observer for the Indian National

Olympiads conducted on 1st and 2nd February 2020 for the Kolkata Center.

Aarti Muley Iyer**Publications/ Paper Presentations**

- ▶ Published paper titled “Versatility of Thermoluminescence materials and radiation dosimetry” in Luminescence, pages-1-10, Doi-10.1002/bio.3644, 2019. Impact Factor: 1.691 Citations:05
- ▶ Published paper titled “Photoluminescence in XF₂(X=Ca,Ba,Sr) prepared by slow precipitation method” Presented in International Conference on Advances in Physical, Chemical and Mathematical Sciences (ICAPCM-2020) Organized by RTMNU University, Nagpur on 13th -16th February-2020.

Anand Ambardekar**Miscellaneous**

- ▶ Completed FDP on ‘TRIZ Level-1 certification’ organized by Centre for Excellence and Departments of Chemistry in association with TRIZ association of ASIA on 16th, 19th and 23rd of February 2020.

Vishaldev Ashok**Publications/ Paper Presentations**

- ▶ Published paper entitled: “Biogenic Silver and Silver Oxide Hybrid Nanoparticles: A Potential Antimicrobial Against Multi Drug-Resistant Pseudomonas aeruginosa” in New Journal of Chemistry, 2020, 44, 4935 – 4941.

Guest Lectures

- ▶ Was a Resource Person For Junior science Olympiad at Resource Generation Camp, held at HBCSE, Mumbai.

Miscellaneous

- ▶ Was appointed as observer for the Indian National Olympiads conducted on 1st and 2nd February 2020 for the Delhi Center.

Maheshwar Falake**Miscellaneous**

- ▶ Completed Refresher Course in Physics organized by University of Mumbai, from 6th to 19th November 2019.
- ▶ Judged the poster presentation at KC College on 21st December 2019.

Seema Jadhav**Miscellaneous**

- ▶ Completed Orientation Course organized by University of Mumbai, on 4th November 2019 to 23rd November 2019.

Naziya Sultana Shaikh**Miscellaneous**

- ▶ Completed FDP on ‘TRIZ Level-1 certification’ organized by Centre for Excellence and Departments of Chemistry in association with TRIZ association of ASIA on 16th, 19th and 23rd of February 2020.

Mohd. Jeelani**Miscellaneous**

- ▶ Visiting faculty for revised Semester III syllabus in Biotechnology Department, SIES College of Arts, Science & Commerce (Autonomous), Sion, Mumbai.

Devi Dinesh**Miscellaneous**

- ▶ Member of the panel for Pre-PTTS discussion meeting on 4th and 5th November 2019, at IISER Pune.

Zoology**Satish Sarfare****Guest Lectures/ Resource Person/ Coordinator**

- ▶ Coordinator for the International Conference ‘Natural Products -Quality, Safety and Efficacy’ on 6th and 7th March, 2020 organized by SIES College of Arts, Science and Commerce under the aegis of Rashtriya Uchhatar Shiksha Abhiyaan (RUSA), Ministry of Human Resources, Govt. of India.
- ▶ Coordinated a seminar on ‘Career Opportunities in Healthcare Management’ held on 21st December 2019’
- ▶ Invited as a Resource Person to deliver a talk on ‘Historical perspective of central dogma of molecular biology’ for “Abhyas Mahotsav” organized by Department of Zoology under the DBT Star Status at B.K. Birla College, (Autonomous), Kalyan on 5th December 2019
- ▶ Invited as a Resource Person to deliver a talk on ‘Historical perspective of Drug Regulation and Development – USFDA’ for the Refresher Course in Biosciences

organized by B.K. Birla College, (Autonomous), Kalyan on 18th October, 2019

Miscellaneous

- ▶ Organized soft-skill development seminars for Non-teaching/Support staff in the months of November and December 2019.
- ▶ Organised a Workshop on ‘Problem Solving in Science’ for Science Teachers on Friday, 27th September.
- ▶ Organised a Seminar for students under the theme ‘Career Opportunities for Girls’ on ‘Opportunities in Paramedical Field and Healthcare Sector’ on Saturday, 14th September 2019.
- ▶ Organised a Seminar and Orientation Session on “Opportunities in Pharmaceutical Industries” under the aegis of ‘Skill India Development Initiative’ on Saturday, 31st August 2019.
- ▶ Organised a Workshop for Science students on ‘Basic concepts in Research – Scientific Approach and Attitude’ on Friday, 23rd August 2019.

**Maria Fernandes****Appointed to Govt / University / College Bodies**

- ▶ Appointed by the University of Mumbai, Affiliation Section as member of Expert Committee for the proposal of extension of new courses at the Post Graduation level for Nirmala Niketan College of Home Science, Churchgate on 25th January, 2020.

Miscellaneous

- ▶ Co-convenor for the Workshop on “Career Opportunities in Audit, International Taxation in India and Abroad” in association with Financial Planning Academy and Association of Chartered Certified Accountants (ACCA) at SIES College of Arts, Science and Commerce, Sion (W) on 7th December, 2019.
- ▶ Co-convenor for One Day Symposium on “Dynamics of Financial System in the Digital Era” in association with Financial Planning Academy at SIES College of Arts, Science and Commerce, Sion (W) on 5th December, 2019.

Nitya Mahajan

- ▶ Judge for inter-collegiate Research Meet and Poster Presentation Competition – Jignyasa 2019-20 at SIES College of Arts, Science and Commerce (Autonomous), Sion (W) on 8th January, 2020.
- ▶ Was part of the Organizing Committee for the One Day Symposium on Dynamics of Financial System in the Digital Era in association with Financial Planning Academy at SIES College of Arts, Science and Commerce, Sion (W) on 5th December, 2019.

Avin K Shah

Publications

- ▶ Published paper titled “The Relationship between the usage of Internet Banking and Mobile Banking and the Operating Profits of Selected Private Sector Banks in India” in International Journal Advance and Innovative Research, Volume 6, Issue 2 (XIV), Impact Factor: 7.36, ISSN: 2394 – 7780.

Paper Presentation

- ▶ Presented a paper on “Banking: A tool of Development in the leading Asian Economies of India and China” at the Two Days International Conference on “Asian Economy: A Cross Country Analysis” organised by the University of Mumbai on 17th and 18th February, 2020.

Miscellaneous

- ▶ Co-convenor for the Workshop on “Career Opportunities in Audit, International Taxation in India and Abroad” in association with Financial Planning Academy and Association of Chartered Certified Accountants (ACCA) at SIES College of Arts, Science and Commerce, Sion (W) on 7th December, 2019.
- ▶ Co-convenor for One Day Symposium on Dynamics of Financial System in the Digital Era in association with Financial Planning Academy at SIES College of Arts, Science and Commerce, Sion (W) on 5th December, 2019.

Krishnan Ramchandran

Publications

- ▶ Published paper titled “Impact of Online Promotional Offers on E-Buying: Youth Perspective” in International Journal Advance and Innovative Research, Volume 6, Issue 2 (XIV), Impact Factor: 7.36, ISSN: 2394 – 7780.

Paper Presentation

- ▶ Presented a poster on “Dynamics of Online Payment Usage in Mumbai: Consumer Perspective” at inter-collegiate Research Convention Avishkar organised by University of Mumbai at Vivekanand Education Society, Chembur, Mumbai on 26th December, 2019.

Guest Lecture / Resource Person

- ▶ Delivered a Guest Lecture for the Third Year BMM students of SIES College of Arts, Science and Commerce on “Ratio Analysis in Financial Management” on 27th February, 2020.

Miscellaneous

- ▶ Judge for the event “Battalion’s Battle”, at inter-collegiate literary festival “Buddhi” organised SIES College of Commerce and Economics, Sion (E) on 22nd January, 2020.
- ▶ Won 1st Prize in inter-collegiate Research Meet and Poster Presentation Competition – Jignyasa 2019-2020, under Commerce PG Category organised by SIES College of Arts, Science and Commerce (Autonomous), Sion (W), Mumbai on 8th January, 2020.
- ▶ Was part of the Organizing Committee for the Workshop on “Career Opportunities in Audit, International Taxation in India and Abroad” in association with Financial Planning Academy at SIES College of Arts, Science and Commerce, Sion (W) on 7th December, 2019.
- ▶ Was part of the Organizing Committee for the One Day Symposium on Dynamics of Financial System in the Digital Era in association with Financial Planning Academy at SIES College of Arts, Science and Commerce, Sion (W) on 5th December, 2019.

Mass Media

Vaneeta Raney

Awards

- ▶ Received the Degree of Doctor of Philosophy (Ph.D.) from North Maharashtra University, Jalgaon on 28th December 2019 under the faculty of Commerce & Management titled: ‘A study of Employee Engagement Practices in Organised Retail Sector of Mumbai metropolitan Region.’

Miscellaneous

- ▶ Authored a handbook on “Introduction to Public

Relations” SYBMM semester III in Mass Media, University of Mumbai published by Himalaya publishing house ISO 9001:2008 certified with ISBN number 978-93-5299-327-7 pcm 239.

Management Studies

Umadevi Kokku

Miscellaneous

- ▶ Received PG recognition in the subject of Accountancy from University of Mumbai on 9th January 2020.
- ▶ Invited as a Judge for poster presentation competition in Commerce, Management and Law Category at an Intercollegiate ‘Research Meet’ “JIGNYASA” 2019- 2020 organised by SIES College of Arts, Science and Commerce, Sion (W) on 8th January, 2020
- ▶ Organiser for the symposium on “Dynamics of Financial Systems in the Digital Era” in collaboration with Centre for Excellence and Department of Commerce on 5th December 2019.

K. Saravanan Nadar

Awards

- ▶ Awarded ‘Best Paper’ Titled “A Study on Contemporary Issues and Challenges of Dumping Waste in Asian Countries” in Two Days International Conference on “Asian Economy – A Cross Country Analysis” on 17th and 18th February 2020 organized by Department of Commerce, University of Mumbai.

Guest Lecture/ Resource Person

- ▶ Invited as resource person for Content Enrichment

Workshop for TET Economics held on 19th June 2019 at Smt. Kapila Khandvala College of Education, Santacruz (W), Mumbai.

Paper Presentation

- ▶ Presented a Paper Titled “A Study on Contemporary Issues and Challenges of Dumping Waste in Asian Countries” in Two Days International Conference on “Asian Economy – A Cross Country Analysis” on 17th and 18th February 2020 organised by Department of Commerce, University of Mumbai.
- ▶ Presented research paper titled “A Study on Counterfeit Products Peddled on E-Commerce Platform in India” in One Day Multi-Disciplinary International Conference on “New Horizon in Business & Economics in the Light of Digital World” in collaboration with University of Mumbai organized by NKES Degree College of Arts, Commerce and Science on 27th April 2019.

Miscellaneous

- ▶ Invited as a Judge for Battalions Battle at Buddhi - An Intercollegiate fest organised by BMS Department of SIES College of Commerce and Economics on 22nd January, 2020
- ▶ Worked as a member in organizing Symposium on “Dynamics of Financial Systems in the Digital Era” in collaboration with Centre for Excellence and Department of Commerce on 5th December 2019.
- ▶ Completed 6-month Certificate Course in Research Methodology in April 2019 from the K R Cama Oriental Institute, Mumbai.

Love the world as your own self;
then you can truly care for all things.

- Lao Tzu

Ascent (2019-20)



Vinod Menon
Vice Principal



Satish Sarfare
Vice Principal



Dr. Mahavir Gosavi
Head, Department of Botany

Milestone (25 years of service)

Teaching Staff



Ms. Maria Fernandez
Department of
Commerce



**Dr. Lakshmi
Muthukumar**
Department of English



**Ms Manju Vivek
Singh (Junior College)**

Non- Teaching Staff



**Mr. Dattaram
Rajaram More**



**Mr. Suresh Tanaji
Shelar**



**Mr. Harish
Chavariya**



**Mr. Prafulla
Toraskar**



**Mr. Narbahadur
Kadayat**

Adieu (Retired Staff)



Mrs. Meena Potnis
Degree College



Sudha Asthana
Junior College



Khurshid Italia
Degree College

Research Luminaries



Vaneeta Raney
Department of Mass Media
Awarded Doctoral Degree in Mass
Media (2019 - 20), North Maharashtra
University, Jalgaon, Maharashtra
Dissertation Title: *A study of
Employee Engagement Practices in
Organised Retail Sector of Mumbai
metropolitan Region*



Seema C.
Department of English
Awarded Doctoral Degree in English
(2019-20), University of Mumbai,
Maharashtra
Dissertation Title: *Re-Imagining History
in Postmodern Fiction: A Study of Select
Works by Orhan Pamuk and Mo Yan*



Anoop S. V.
Department of Mathematics
Awarded M. Phil degree in
Mathematics (2019-20), University of
Mumbai, Maharashtra
Dissertation title: *A Study of Some
Overdetermined Elliptic Boundary
Value Problems*

If the bee disappears from
the surface of the earth, man would have
no more than four years to live.

-Albert Einstein



INTER COLLEGIATE PARTICIPATION (2019-2020)

Inter Collegiate Participation 2019-2020

Sr. No.	Name	CLASS	Festival	Event/ Competition	Organised By	Prize
1	/Ayyar Ranjani Ravindra Sharadha	TYBMM	Blitzkreig	Fusion	Kc College	First
2	/Bichve Gargi Hemant Supriya	SYBMM	Blitzkreig	Tvc	Kc College	Second
3	/Chitnis Rhea Mahesh Marlena	SYBMM	Detour	Comic Strip	Jai Hind College	First
			Blitzkreig	Parody	Kc College	Second
4	/Hulavane Shravani Madhukar Sharmila	FYBMM	Detour	Best Actress Female	Jai Hind College	First
5	/Iyer Aditi Rajesh Alpana	SYBMM	Detour	Court Room	Jai Hind College	Second
6	/Iyer Rajashree S G Raman Kanchana	TYBMM	Detour	Marketing	Jai Hind College	First
				Best Prci	Kc College	First
7	/Moolya Harshita Janardhan Rupa	TYBMM	Blitzkreig	Tvc	Kc College	Second
			Blitzkreig	Fusion	Kc College	First
8	/Naidu Keerti Dhanraj Subhashini	SYBMM	Detour	Court Room	Jai Hind College	Second
9	/Nair Samyukta Nandkumar Seema	SYBMM	Detour	Dance	Jai Hind College	Best Dancer
10	/Netra Sridhar Padma	FYBMM	Blitzkreig	Tvc	Kc College	Second
11	/Pathak Aayushi Devendra Amita	SYBMM	Detour	Comic Strip	Jai Hind College	First
			Blitzkreig	Sketching	Kc College	First
12	/Salvi Sanjivani Avdhut Ujjwala	TYBMM	Blitzkreig	Fusion	Kc College	First
13	/Sharma Chandani Girsih Sheitaal	TYBMM	Detour	Marketing	Jai Hind College	First
14	/Thakur Isha Nitin Reena	FYBMM	Blitzkreig	Fusion	Kc College	First
15	A Gayathry Krishnachandran Suja	SYBSC	Youth Festival	Zonal Level Ii Indian Classical Vocal Solo	Mumbai University	First
16	Abhiram Vijayakumar Sujatha	SYBMM	Blitzkreig	Fusion	Kc College	First

Inter Collegiate Participation 2019-2020

Sr. No.	Name	CLASS	Festival	Event/ Competition	Organised By	Prize
17	Ansari Amaan Arif Rubina	FYBMM	Blitzkreig	Fusion	Kc College	First
18	Belinda Isravel Gracedany	SYBA	Vismayam	Debate Compitition	Model College	First
19	Desai Aneesh Raju Manasi	TYBMM	Detour	Marketing	Jai Hind College	First
			Blitzkreig	Preu Release	Kc College	First
20	Devanpalli Bharat Gangadhar Geeta	TYBSC	Youth Festival	Zonal Level Ii Indian Classical Vocal Solo	Mumbai University	First
			Pehchaan 2019	Solo Classical Dance	Ramniranjan Jhunjhunwala College	First
21	Devaria Karan Keshav Kantabai	TYBMM	Detour	Spoken Word	Jai Hind College	Second
22	Gada Yash Nilesh Manisha	TYBMM	Blitzkreig	Tvc	Kc College	Second
23	Jadhav Rishi Vikram Gayatri	FYBMM	Blitzkreig	Best Mascot	Kc College	First
24	Jain Harsh Vikas Laxmi	SYBA	Vismayam	Debate Compitition	Model College	First
25	John Saju Varghese Kunjumole	SYBMM	Detour	Spoken Word	Jai Hind College	Second
26	Khairdi Misbah Zahir Husain Saira Bano	SYBCOM	Youth Festival	Zonal Level Ii Mehandi Designing	Mumbai University	Second
			Youth Festival	Final Level Mehandi Designing	Mumbai University	Third
27	Khan Gulam Mohammad Naeem Ui Haq Anjum Banu	TYBMM	Detour	Spoken Word	Jai Hind College	Second
28	Murgan Pritish X Malini	SYBMM	Detour	Comic Strip	Jai Hind College	First
			Blitzkreig	Parody	Kc College	Second
			Blitzkreig	Tvc	Kc College	Second
29	Nair Sagara Manoj Jayalakshmi	FYBMM	Blitzkreig	Fusion	Kc College	First
30	Narasimhachari Madhavan Rajesh Vidhya	SYBMM	Blitzkreig	Fusion	Kc College	First
31	Rajam Saurabh Narayan Smita	TYBMM	Detour	Rap Event	Jai Hind College	Best Beat Boxer
32		M.Sc	Youth Festival	Zonal Level Ii Elocution (Group B)	Mumbai University	Third

Inter Collegiate Participation 2019-2020						
Sr. No.	Name	CLASS	Festival	Event/ Competition	Organised By	Prize
33	Sakhare Saish Sahebrao Shila	SYBMM	Blitzkreig	Fusion	Kc College	First
34	Seelaboyina Siddharth Srinivas Kumar Naga Suseela	SYBMM	Blitzkreig	Festival	Kc College	Best Contingent
35	Sethna Hufrih Kaiumarz Shehrnaz	SYBA	Hooner 2019	Mr And Miss Hooner	Kj Somaiya College	Miss Hooner
36	Shetty Gagan Gajendranath Suchitra	FYBAMMC	Youth Festival	Final Level Spot Photography	Mumbai University	Third
37	Shraddha Anishkumar Smitha	SYBA	Vismayam	Elocution Comptition	Model College	First
38	Rithika Gangadhar Shetty	SYBSc	Biozest	Triwizards	Patkar Varde College	Best College Trophy
39	Nikita Ramchandra Savanur	SYBSc	Biozest	Triwizards	Patkar Varde College	Best College Trophy
40	Rutuja Vishwas Wakchaure	SYBSc	Biozest	Triwizards	Patkar Varde College	Best College Trophy
41	Yukta Sunil Mahashabde	SYBSc	Biozest	Triwizards	Patkar Varde College	Best College Trophy
42	Sayali Avadhut Joshi	SYBSc	Biozest	Triwizards	Patkar Varde College	Best College Trophy
43	Mihir Prafulla Pradhan	SYBSc	Biozest	Triwizards	Patkar Varde College	Best College Trophy
44	Vivek Varma & Yashika Group (Cross VibeZ Dance Crew Of Sies Asc)	-	Aartha 2019	Group Dance	Singad College Of Commerce	First
45	Vivek Varma & Yashika Group (Cross VibeZ Dance Crew Of Sies Asc)	-	Pehchaan 2019	Freestyle Group	Ramniranjan Jhunjhunwala College	First
46	Vivek Varma & Yashika Group (Cross VibeZ Dance Crew Of Sies Asc)	-	Vibgyor Viva	Viva Nova	Vibgyour Highschool	1St (Rs. 50,000/- Cash Prize, Trophy, Certificate)

Inter Collegiate Participation 2019-2020						
Sr. No.	Name	CLASS	Festival	Event/ Competition	Organised By	Prize
47	Vivek Varma & Yashika Group (Cross VibeZ Dance Crew Of Sies Asc)	-	Sparklers 2019	Group Dance	Sia College Of Commerce & Science	Second
48	Vivek Varma & Yashika Group (Cross VibeZ Dance Crew Of Sies Asc)	-	Unnatz 2019	Group Dance	Dkvc College	First

Gymkhana (2019-2020)				
Sr. No.	Name	Class	Game	Achivements
1	Poorni Rajuswamy Vanathi	Tyba	Fencing	Gold Medal In Mumbai University Selected For National Held In Amritsar(Inter University)
2	Shinde Riddhi Rajan Shubhangi	Sybsc	Taekwondo	Bronze Medal In Mumbai University Tournament
3	Poojary Smita Shivanand Suchitra	Sybsc	Taekwondo	Bronze Medal In Mumbai University Tournament
4	Hegishte Sairaj Vinayak Riddhi	Fybsc	Boxing	Won Silver Medal At University Boxing Tournament Was Held In Ruia College
5	Hegde Bhavana Vinayak Vaishali	Fyba	Boxing	Won Silver Medal At University Boxing Tournament Was Held In Ruia College
6	Sapre Dhanashree Hemant Supriya	Syba	Archery	Participated At The University Archery Tournament. Won Bronze Medal Held In B.k. Birla College.also Select For All India Inter University Held In Bhubaneswar
7	Parthe Sanskruti Laxman Leena	Fybms	Tennis	Participated At The University Tennis Tournament. Also Selected For West Zone Inter University Held In Jaipur.
8	Siva Subramanian	Syjc Arts	Fencing	Won Team Gold Medal At National Level
9	Yuti Patel	Syjc Arts	Chess	Participated At The World Youth Championship. Won Gold Medal At District And Division.participated At The State Level.
10	Ramya Amit Patel Anuja	Fyjc	Weightlifting	Won Gold Medal At District, Division And State Level Sectected For Nationals
11	Tannishta Dineshkumar Bethsheba	Fyjc	Discus Throw, Shotput, Javelin Throw	Won Gold Medal At District And Division Level And Achieved 4Th Rank In State Level

Non Teaching Staff (2019-2020)				
Sr. No.	Name	Event/ Competition	Organised By	Prize
1	Mr Pradeep Kadam	Singing	Nagindas Khandwala College	Second
2	Mr. Arjun Sing	Carrrom Single	Nagindas Khandwala College	Second
3	Non Teaching Volley Ball Team	Volley Ball	Nagindas Khandwala College	Second
4	Non Teaching Cricket Team	Cricket	V.G. Vaze College	First
5	Non Teaching Volley Ball Team	Volley Ball	V.G. Vaze College	First
6	Non Teaching Cricket Team	Cricket	M.D. College	First

NSS (2019 - 20)					
Sr. NO.	Name	Class	Event / Competition	Organised By	Prize
1	Aishwarya Shekhar Shailaja	SYBSC (IT)	Best Volunteer In Pulse Polio Drive	SIES College	First
2	Anandhu Suresh Sobha	FYBSC	Save Trees, Save Environment Rally	Kirti College	First
3	Anthony Sofiya Jackson Kalpana	FYBSC (IT)	Best Actress In Street Play	SIES College	First
4	Bhaskar Neeraj Kumar Dharamraj Taradevi	FYBSC (IT)	T-Shirt Painting	Kirti College	First
5	Chanassery Abhilash Dayanandan Ambika	FYBCOM	Save Trees, Save Environment Rally	Kirti College	First
			Best Actor In Street Play	SIES College	First
6	Choudhary Maheshkumar Laxman Meeradevi	FYBCOM	Save Trees, Save Environment Rally	Kirti College	First
7	Dsouza Valencia Cyril Rosy	SYBA	Best Volunteer In Hiv Aids And Rally	SIES College	First
8	Gajengi Sundar Shankaraiah Lata	FYBSC	Best Volunteer In Blood Donation Drive	SIES College	First
9	Jeni Flora Mathew Padma Christy	FYBA	Talent Hunt	Kirti College	First
			Represented Sies In Leadership Training Camp	SIES College	First
10	Kadam Nitisha Rajesh Shamal	SYBA	Represented Maharashtra In National Republic Day Parade	SIES College	First
			Represented Mumbai City In State Level Camp "Avhan"	SIES College	First

NSS (2019 - 20)					
Sr. NO.	Name	Class	Event / Competition	Organised By	Prize
11	Kadam Isha	SYBA	Best Volunteer In "Akshara"	SIES College	Second
			Best Volunteer In Teaching Event	SIES College	Second
12	Kosle Shreyas Janardhan Jyoti	SYBSC (IT)	Save Trees, Save Environment Rally	Kirti College	First
			Rap	R D Poddar College	First
			Represented Mumbai City In University Level Camp	SIES College	
13	Kotian Mahima Vittal Yashoda	SYBCOM	Best Volunteer In "Tree Plantation"	SIES College	Second
14	Kurva Nitin Sayalu Sujata	FYBSC (CS)	Save Trees, Save Environment Rally	Kirti College	First
			Elocution	Kirti College	Second
15	Manisha Kandaswamy Ambika	SYBA	Best Volunteer In Teaching Event	Sies College	First
16	Mundhe Aniket Bharat Vaishali	FYBCOM	Talent Hunt	Kirti College	First
17	Nadar Dayala Nixon Thavasikani Jaya Sumathi	FYBCOM	Save Trees, Save Environment Rally	Kirti College	First
18	Panibhate Rajkumar Prahallad Tarabai	FYBCOM	Talent Hunt	Kirti College	First
19	Parayi Avantika Mohandas Lalitha	FYBSC	Talent Hunt	Kirti College	First
20	Patwa Nikhil Santosh Rajrani	SYBSC	Best Volunteer In Hiv Aids And Rally	SIES College	Second
21	Pillai Muthulekshmi Monickumar Jaya	FYBCOM	Save Trees, Save Environment Rally	Kirti College	First
22	Pillai Nidhi Anilkumar Prabha	FYBSC	Face Painting	R D Poddar College	Second
23	Rai Ashutosh Ramgopal Neera	FYBSC (IT)	Save Trees, Save Environment Rally	Kirti College	First
			Do It Yourself	R D Poddar College	First
			Represented Sies In Red Ribbon Club	SIES College	First

NSS (2019 - 20)					
Sr. NO.	Name	Class	Event / Competition	Organised By	Prize
24	Richard Amalraj Emaldamary	FYBSC	Represented Sies In Leadership Training Camp	SIES College	Second
25	Sheth Devansh Paresh Chandni	SYBMS	Talent Hunt	Kirti College	First
26	Shrivastav Rishikant Rajesh Geeta	SYBCOM	Save Trees, Save Environment Rally	Kirti College	First
			Best Volunteer In Pulse Polio Drive	SIES College	Second
27	Singh Vishal Pradeep Suman	SYBCOM	Best Volunteer In "Akshara"	SIES College	Second
28	T Sunoj Narayanan Jayasree	SYBSC	Represented Mumbai City In State Level Camp "Avhan"	SIES College	First
29	Udaiyar.Soundarya. Shaktivel Vijayakumari	SYBSC	Save Trees, Save Environment Rally	Kirti College	First
			Best Volunteer In "Tree Plantation"	SIES College	First
30	Verma Priti Abhimanyu Premseela	SYBSC (IT)	Save Trees, Save Environment Rally	Kirti College	First
31	Vernekar Jyoti Dattanand Laxmi	FYBSC	Face Painting	R D Poddar College	Second
			Best Volunteer In Blood Donation Drive	SIES College	Second
32	Wadkar Harshata Nitesh Sujata	FYBSC	Save Trees, Save Environment Rally	Kirti College	First
			Do It Yourself	R D Poddar College	First
33	Yadav Neha Ghanshyam Krishnavati	FYBA	Save Trees, Save Environment Rally	Kirti College	First

NCC GIRLS S.I.E.S. UNIT (2019 - 20)				
Sr. No.	Rank	Name Of Cadet	Class	Competition
1	JUO	Naina Chinkate	SYBCOM	Best Firing
2	SGT	Supriya Darekar	TYBCOM	Best Drill
3	SGT	Balambal Hariharan	TYBA	Best Cadet
4	L/CPL	Sayra Khan	FYBCOM	Best Foot drill
5	CPL	Rajeshree Hajari	SYBSC	Best Cultural
6	CPL	Ashwini Gounder	TYBMS	Best Command
7	CDT	Aishani Bains	SYJC	Best Health & Hygiene
8	CDT	Humaira Shaikh	FYBSC	Best Obstacles
9	CDT	Moni Yadav	TYBCOM	Best General Knowledge
10	CDT	Neha Jaiswar	SYBSC	Best Foot drill
11	CDT	Priyanka Mishra	FYBA	Best Tent Piching
12	CDT	Shravani Parab	SYBSC	Best Firing
13	CDT	Dhanyamari James	SYBA	Best Map Reading
14	CDT	Priya Kori	SYBMS	Best Cross Country
15	CDT	Vaibhavi Borhade	SYBAF	Best Turnout
16	CDT	Sharanya Jaikrishnan	FYBSC	2nd Best Drill
17	CDT	Soonam Gupta	FYBCOM	3rd Best Drill
18	CDT	Vidya Chinchwadkar	FYBBI	2nd Best Foot Drill
19	CDT	Divya Thevar	FYBFM	3rd Best Foot Drill
20	CDT	Yazshni Gandhi	FYBA	2nd Best Cultural
21	CDT	Yogita Chavan	FYBSC	2nd Best General Knowledge
22	CDT	Nikita.m. Jadhav	FYJC	3rd Best General Knowledge
23	CDT	Anuradha Sahani	FYBCOM	2nd Best Health & Hygiene
24	CDT	Siddhi Gole	FYJC	3rd Best Health & Hygiene
25	CDT	Shalu Yadav	FYBCOM	2nd Best Turnout
26	CDT	Apsara Pachpakeshan	FYBSC	3rd Best Turnout

NCC BOYS S.I.E.S. UNIT (2019-20)

Sr No.	Rank	Name of Cadet	Class	Prize
1	CSM	Viki Khale	TYBCOM	Best Adventure Training
2	CQMS	Varun Bharathi	SYBSC	Best Admin Work
3	CPL	Prakash Kadam	TYBCOM	Best Word Of Command
4	CPL	Rushikesh Madavi	SYBSC	Best Map Reading
5	L/CPL	Dhananjay Bhomidi	SYBSC	Best Flag Area
6	L/CPL	Rushikesh Jadhav	SYBCOM	Best Drill
7	L/CPL	Omkar Ganeshkar	SYBSC	Best Cadet
8	CADET	Gaurav Bhoir	SYBSC	Best Turnout
9	CADET	Gaurav Shinde	SYBCOM	Best Firing
10	CADET	Pratik Chikane	SYBCOM	Best Obstacles
11	CADET	Sujit Padwal	SYBA	Best Cross Country
12	CADET	Abhay Dubey	SYBSC	Master Of Ceremony
13	CADET	Vaibhav Jagtap	SYBCOM	Best Cultural
14	CADET	Nikesh Chavan	SYBA	Best Drill
15	CADET	Aniket Patil	SYBSC	Best Turnout
16	CADET	Alok Gungawale	FYBCOM	Best Foot Drill
17	CADET	Aniket Bhilare	SYBA	Best Hygiene
18	CADET	Venkatesh Krishnamurti	TYBCOM	Master Of Ceremony
19	CADET	Omkar Upare	FYBA	Best Flagarea
20	CADET	Mihir Gole	FYBCOM	Best Cross Country
21	CADET	Arjun Bomidi	TYBSC.IT	Best G.k
22	CADET	Bhanu Sisodia	FYBSC	Best Cultural

In every walk with nature,
one receives far more than he seeks.

- John Muir

WINNERS OF VARIOUS ENDOWMENTS AND INSTITUTED PRIZES



Name Of The Endowment	Winner Name	Class
Prof. Geetha Ananthnarayan Endowment Prize	Ansari Mohd Elaf Mohd Bashir	XI SCIENCE
Prof. Geetha Ananthnarayan Endowment Prize	/Malpekar Jaiba Suleman Yasmeen	SYBMM
Prof. Geetha Ananthnarayan Endowment Prize	/Fernandes Pearl Rhea Christopher	TYBMS
Prof. Geetha Ananthnarayan Endowment Prize	/Khan Alena Mariyam Mehboob Alam	TYBCOM
Vaishnavi Memorial Prize	/Chaudhary Sarah Mohd Husain Shabnam	XI SCIENCE
Shri Pisharody Prabhakaran Prize	Rohan Srinivasan Geetha	XI SCIENCE
Late (Shri) R.S.mani's Scholarship	/Bhatt Vinita Jaidev Smita	FYBA
Late (Shri) R.S.mani's Scholarship	/Shaikh Ummehaani Mohammed Ikhlauque	FYBSC
Smt.R.Rugmani Mani Scholarship	Shiva Shankara Narayanan Natarajan	TYBSC
Smt.R.Rugmani Mani Scholarship	/Liny Mathew Laly	TYBSC
S.I.E.S. College Past Students' Association Prize	/Bapat Ojasee Ajinkya Supriya	TYBSC
S.I.E.S. College Past Students' Association Prize	/Gupte Rutuja Sandeep	MSC II
Shri R.narayana Iyer's Endowment Prize	Kotian Prajwal Anand Sunita	XII SCIENCE
Shri R.narayana Iyer's Endowment Prize	/Bhatt Vinita Jaidev Smita	FYBA
Prof. C.P.N.Menon Cash Prize	/Nambiar Sakshi Sanjay Rupa	TYBA
Shri Sivaramakrishnan Memorial Scholarship	Kotian Prajwal Anand Sunita	XII SCIENCE
Late(Shri)K.S.gangadhara Iyer Memorial Scholarship	Sreenivasan Murugan Devi	XII SCIENCE
Late (Kum) Krishnan Sharada Memorial Prize To A Girl Student	/Devendra Revathi Ramaswami Kavita	TYBSC
Shri Sundar Bhaskar Memorial Scholarship	Salastekar Yash Vinay Pradnya	FYBSC
Shri Sohrab Mistry Prize	Salastekar Yash Vinay Pradnya	FYBSC
Shri Sohrab Mistry Prize	/Shaikh Saima Dawood Badrunnisa	SYBSC
Late (Miss) Surekha Kulkarni Memorial Prize	/Abinaya Muthukrishnan	XII SCIENCE
A Well-Wisher Cash Prize	/Obhan Muskaan Jasvinder Usha	FYBCOM
A Well-Wisher Cash Prize	/Gupta Rupa Ramkrishna Ushadevi	SYBCOM
A Well-Wisher Cash Prize	/Jaiswal Priyanka Abhayrai Urmila	TYBCOM
Shri K.S. Anantharama Iyer Cash Prize	/Lydia John Ponraj Vinoli	SYBSC
Shri Amol Pradhan Scholarship	Bhandary Sidhant Kishore Roopa	SYBSC
Shri Amol Pradhan Scholarship	/Bhuvaneshwari Arasan Manimegalai	SYBSC
Shri Sastry Memorial Prize	Neeraj Nambiraj R	TYBA
Shri R.Viswanathan Endowment Prize	Neeraj Nambiraj R	TYBA
Late (Shri) A.C.ramalingam Scholarship	Neeraj Nambiraj R	TYBA
Late (Shri) A.C.ramalingam Scholarship	/Flinta Esther Dephy Anthony Wilson Rekha	TYBSC

WINNERS OF VARIOUS ENDOWMENTS AND INSTITUTED PRIZES

Name Of The Endowment	Winner Name	Class
Shri Karsandas Manek Shastipurti Prize	Bhayana Ishpreet Singh Paramjeet	TYBSC IT
Late (Ms) Trupti Badani Memorial Prize	Sakarkar Nauman Zubair Noorjahan	TYBSC
The Late (Shri) C.S.khandkar Prize	/Suryawanshi Tanvi Satishkumar Urmila	TYBA
Dr.Dhruvakumar Joshi Memorial Prize	/Nair Arya Satheesh	TYBA
Dr. Dhruvakumar Joshi Endowment Prize	/Nair Arya Satheesh	TYBA
Shri V.Ananthan's Scholarship	/Jain Dhruvi Vinod Kanchan	TYBSC
Shri V.Ananthan's Scholarship	/Pai Shreelaxmi Balakrishna Vijayalaxmi	TYBSC
Shri K.M.Doshi Charitable Trust Prize	/Flinta Esther Dephy Anthony Wilson Rekha	TYBSC
Shri K.M.Doshi Charitable Trust Prize	/Shaikh Heena Ijajul Ruksana	TYBSC
Shri K.M.Doshi Charitable Trust Prize	/Jain Dhruvi Vinod Kanchan	TYBSC
Shri K.M.Doshi Charitable Trust Prize	/Aadhya Iyer	TYBSC
Shri K.M.Doshi Charitable Trust Prize	/Pai Shreelaxmi Balakrishna Vijayalaxmi	TYBSC
Shri C.V.Radhakrishnan Endowment Prize	/Pooja Shunmugaraja	XI SCIENCE
Shri C.V.Radhakrishnan Endowment Prize	Varier Sidharth Unnikrishnan Dhanya	XI SCIENCE
Shri C.V.Radhakrishnan Endowment Prize	/Flinta Esther Dephy Anthony Wilson Rekha	TYBSC
Shri C.V.Radhakrishnan Endowment Prize	/Khan Samina Azharali Sabrunnissa	TYBSC
Shri C.V.Radhakrishnan Endowment Prize	/Malpekar Jaiba Suleman Yasmeen	TYBSC
Shri C.V.Radhakrishnan Endowment Prize	/Priya Menon	TYBSC
Shri C.V.Radhakrishnan Endowment Prize	/Devendra Revathi Ramaswami Kavita	TYBSC
Late (Smt) Sundaridevi Roshanlal Bhatia Prize	Ambu Akshay Ambujakshan Mini	TYBSC
Late (Shri) Shantaram Gangadhar Paradkar Cash Prize	/Shaikh Heena Ijajul Ruksana	TYBSC
Late (Shri) C.G.Raman Cash Prize	Harpad Shivnath Siddhu Sangita	MSC
Smt. Ramtidevi Endowment Sholarship	/Rane Nidhi Prashant Alka	TYBA
Shri Lala Bhagwandas Endowment Scholarship	Jaiswal Amit	TYBA
Late (Shri) Kuppuswamy Endowment Prize	/Subha Durai Masanam Annalaxmi	XI SCIENCE
Late (Shri) Kuppuswamy Endowment Prize	/Pooja Shunmugaraja	XI SCIENCE
Late (Shri) Kuppuswamy Endowment Prize	Varier Sidharth Unnikrishnan Dhanya	XII ARTS
Smt. Susan Benjamin Scholarship	/Deshpande Tanya Rahul Sangita	XII ARTS
Tirumani Sundara Ramamoorthy Memorial Prize	/Mondal Malika Mohammed Suraiya	TYBA
Brakes India Ltd.(Madras) Endowment Prize	/Jaskeerat Kaur Virk	FYBA
Brakes India Ltd.(Madras) Endowment Prize	Mishra Himanshu Trilokinath Sunaina	FYBSC
Late (Shri) N.L.akshmana Iyer Endowment Prize	/Ansari Muskan Ahmed Hasan	FYBCOM
Late (Shri) N.Lakshmana Iyer Endowment Prize	/Suvaitha Kadakarai Perachiselvi	FYBCOM
Late (Shri) S.Krishnaswamy Endowment Prize	/Acharya Prashita Manjunath Shreemati	FYBSC

WINNERS OF VARIOUS ENDOWMENTS AND INSTITUTED PRIZES

Name Of The Endowment	Winner Name	Class
Late (Shri) V. Sampat Iyengar Memorial Scholarship	Acharya Mahesh Shankar Prema	XII SCIENCE
Late (Shri) M.Thyagaraja Iyer Scholarship	/Gound Mamta Muniram Neelam Devi	XII SCIENCE
Smt.Ranganayaki Thyagaraja Iyer Scholarship	Gajengi Sundar Shankaraiah Lata	FYBCOM
Smt.Ranganayaki Thyagaraja Iyer Scholarship	/Manik Nandini Krishna Radhika	XII SCIENCE
Smt.Ranganayaki Thyagaraja Iyer Endowment Prize	/Lobo Melinda Kevin Philomena	XI SCIENCE
Smt.Ranganayaki Thyagaraja Iyer Endowment Prize	/Pooja Shunmugaraja	XI SCIENCE
Shri Sakham Ramchandra Savant Endowment Prize	/Flinta Esther Dephy Anthony Wilson Rekha	TYBSC
Shri Sakham Ramchandra Savant Endowment Prize	/Malpekar Jaiba Suleman Yasmeen	TYBSC
Smt. Ambujam & Shri P.r.subramaniam Memorial Prize	Sayyed Mohammed Riyaz Kamal Badshah	FYBCOM
Dr. Chandrasekharan Shashtyabdapoorti Endowment Prize	/Abinaya Muthukrishnan	XII SCIENCE
Dr. Chandrasekharan Shashtyabdapoorti Endowment Prize	/Muthuanusuya Arumugasamy	FYBSC
Shri K.M.Doshi Charitable Trust Prize	/Parte Tanvi Vilas Vaishali	TYBSC
Shri K.M.Doshi Charitable Trust Prize	/Pai Shreelaxmi Balakrishna Vijayalaxmi	TYBSC
Dr. Yvonne M. Freitas Endowment Prize	Ezhuthachan Vishnu Ashok Kumar Jaya	FYBSC
Shri K.N.V.Mani Endowment Prize	/Pai Shreelaxmi Balakrishna Vijayalaxmi	TYBSC
Shri K.N.V.Mani Endowment Prize	/Parte Tanvi Vilas Vaishali	TYBSC
Shri.R.Venkatesh Endowment Prize	/Devendra Revathi Ramaswami Kavita	TYBSC
Shri K.M.Doshi Charitable Trust Prize	/Devendra Revathi Ramaswami Kavita	TYBSC
Shri K.M.Doshi Charitable Trust Prize	/Priya Menon	TYBSC
Shri K.M.Doshi Charitable Trust Prize	Ajay Kumar Hans Raj	M.Sc.
Dr. Yvonne M. Freitas Endowment Prize	/Gupta Paribha Badrinarayan Anita	FYBSC
Dr. Yvonne M. Freitas Endowment Prize	/Afrose Fathima Meeran	M.Sc.
Late (Shri) A.V.Badhe Memorial Prize	/Gupta Paribha Badrinarayan Anita	SYBSC
Smt. Pushpa Narayan Menon Endowment Prize	Ezhuthachan Vishnu Ashok Kumar Jaya	FYBSC
Smt. Pushpa Narayan Menon Endowment Prize	/Gupta Paribha Badrinarayan Anita	SYBSC
Smt. Pushpa Narayan Menon Endowment Prize	/Jain Dhruvi Vinod Kanchan	TYBSC
Smt. Hiraben Poladia And Shri Harish Poladia Endowment Prize	/Pol Poonam Dhondiram	SYBA
Dr. Mridula Ramanna And Dr. Leela Jois Endowment Prize	/Rane Nidhi Prashant Alka	TYBA

WINNERS OF VARIOUS ENDOWMENTS AND INSTITUTED PRIZES

Name Of The Endowment	Winner Name	Class
Dr. Mahalaxmi Bhagwat Prize	/Flinta Esther Dephy Anthony Wilson Rekha	TYBSC
Late (Shri) K.A.Raman And Smt.rajam Raman Endowment Prize	/Mondal Malika Mohammed Suraiya	TYBA
Late (Shri) K.A.Raman And Smt.rajam Raman Endowment Prize	/Suryawanshi Tanvi Satishkumar Urmila	TYBA
Late (Shri) K.A.Raman And Smt.rajam Raman Endowment Prize	/Bhide Gandhali Atul Yashodhara	TYBA
Shri.V.Venkataraman Endowment Prize	Rohan Srinivasan Geetha	XI SCIENCE
Shri.V.Venkataraman Endowment Prize	Kotian Prajwal Anand Sunita	XII SCIENCE
Dr. Leela Jois Endowment Prize	/Wakade Aakanksha Madhukar Anita	XI ARTS
Late Dr.Mahalaxmi Sunil Bhagwat Memorial Prize	/Rakhe Anushka Pushkar Pooja	XII SCIENCE
Mrs.Chellammal Narayanan Endowment Prize	/Jaiswal Priyanka Abhayrai Urmila	TYBCOM
Shri M.S.Sundaraum Endowment Prize	/Liny Mathew Laly	TYBSC
Smt.sushiladevi Baldev Raj Gupta Endowment Prize	/Parte Tanvi Vilas Vaishali	TYBSC
Shri.P.V.Narayanan Endowment Prize	/Jaiswal Priyanka Abhayrai Urmila	TYBCOM
Shri K.P.Iyer Endowment Prize	/Shaikh Ummehaani Mohammed Ikhlauque	FYBSC
Shri K.P.Iyer Endowment Prize	/Lydia John Ponraj Vinoli	SYBSC
M/S Kamala Vivekananda Trust Endowment Prize	/Flinta Esther Dephy Anthony Wilson Rekha	TYBSC
M/S Kamala Vivekananda Trust Endowment Prize	/Pai Shreelaxmi Balakrishna Vijayalaxmi	TYBSC
Late Dr.(Mrs) Kamala Arun Shenvi Endowment Prize	Harpad Shivnath Siddhu Sangita	MSC-II
(Late) Shri Satish Pillai Memorial Endowment Prize	/Jaiswal Priyanka Abhayrai Urmila	TYBCOM
Smt. Meenakshi Muthuswami Endowment Prize	/Abinaya Muthukrishnan	XII SCIENCE
Prof. Derek Antao Memorial Prize	/Nair Arya Satheesh	TYBA
Smt.M.Mayavathy Endowment Prize	Sakarkar Nauman Zubair Noorjahan	TYBSC CS
Prof.M.Yusuf Kitekar Endowment Prize	/Sweta Kishor Anita	XI SCIENCE
Prof.M.Yusuf Kitekar Endowment Prize	/Nambiar Sakshi Sanjay Rupa	XII SCIENCE
Smt.Subha Sivaram Endowment Prize	/Suryawanshi Tanvi Satishkumar Urmila	TYBA
Smt.Savitri Subramanian Endowment Prize	/Sayoni Ghosh	SYBSC
Late (Shri) M.K.Narayanaswamy Endowment Prize	/Jain Piyushi Sanjiv Kalpna	SYBSC
(Late) Principal P.S.Ramaswamy Endowment Prize	Neeraj Nambiraj R	TYBA
Late Dr.Ramaswamy Raghavan Endowment Prize	Kotian Prajwal Anand Sunita	XII SCIENCE

WINNERS OF VARIOUS ENDOWMENTS AND INSTITUTED PRIZES

Name Of The Endowment	Winner Name	Class
Late Dr. Ramaswamy Raghavan Endowment Prize	/Shaikh Heena Ijajul Ruksana	TYBSC
Late Dr. Ramaswamy Raghavan Endowment Prize	Harpad Shivnath Siddhu Sangita	MSC-II
Dr. Mahalaxmi S.bhagwat (Mahalaxmi Laxman) Endowment Prize	/Nambiar Sakshi Sanjay Rupa	XII SCIENCE
R.R. Memorial Prize	/Nambiar Sakshi Sanjay Rupa	XII SCIENCE
Shri. Roshanlal Ganesh Das Bhatia Endowment Prize	/Dadhich Shreya Sanjay Vandana	FYBMM
Capt.S.Srinivas Endowment Prize	/Shintre Maitrai Yayati Sangeeta	TYBA
Malati Dahanukar Trust Endowment Prize	/Awasthee Tulika Rakesh Raj	SYBMM
Shri S.G.Ramachandran Endowment Prize	/Mishra Priyanka Balaji Indira	FYBSC IT
(Late) Shri L.S. Easwaran Endowment Prize	Pillai Balaji Chandrabose Malathi	TYBSC
Shri R.Rajagopal Endowment Prize	Sakarkar Nauman Zubair Noorjahan	TYBSC CS
Tilak Nagar Endowment Prize	/Dadhich Shreya Sanjay Vandana	FYBMM
(Late) Smt. Susheela Menon Endowment Prize	/Bapat Ojasee Ajinkya Supriya	TYBSC BT
Shri Shyamlal Damani Endowment Prize	/Jaiswal Uttam Ramjanak Kalawati	XII ART
Shri Shyamlal Damani Endowment Prize	/Chaudhary Pooja Rajesh Kumar Sangeeta	TYBA
Late (Smt.)Mahalakshmi Anantaramiah Endowment Prize	/Suryawanshi Tanvi Satishkumar Urmila	TYBA
Shri. R.V. Venkatarama Iyer Memorial Prize	Neeraj Nambiraj R	TYBA
Shri S.N. Nair Endowment Prize	Bhayana Ishpreet Singh Paramjeet	TYBSC IT
Rashtrabhasha Prachar Sabha Endowment	/Chaudhary Pooja Rajesh Kumar Sangeeta	TYBA
Smita Chandran Endowment Prize	/Wakade Aakanksha Madhukar Anita	XI ART
Chitra Iyer Endowment Prize	/Bushra Asif Satkhed Nishat	TYBMM
Dr.Mridula Ramanna Endowment Prize	/Mondal Malika Mohammed Suraiya	TYBA
Late (Shri) Bhaskar Laxman Paranjape Endowment Prize	Neeraj Nambiraj R	TYBA
Shri. T.S. Narayan Endowment Prize	/Jui Sunil Chahure Gandhali	TYBMS
Shri. R. Venkatesh Endowment	/Jui Sunil Chahure Gandhali	TYBMS
Shri. C.S. Subramanian Endowment	Pasi Brijesh Shree Rajesh Kumar	FYBA
Dr. Dhruvakumar Joshi Endowment Prize	/Coutinho Carol Maurice Sandra	TYBA
Rashtrabhasha Prachar Sabha Endowment	/Ramakrishnan Bhakti Ramesh Vijaya	MSC-II
Shri. Rasiklal Endowment Prize	/Shah Sakshi Paresh Rupa	
Shri R.Rajagopal Endowment Prize	/Gandhi Apeksha Kirti Sushila	PGDC
Dr. Sara Desa Endowment Prize	/Devendra Revathi Ramaswami Kavita	TYBSC
Nanga Mangalam Tirupati Rangaswamy Endowment Prize	Neeraj Nambiraj R	TYBA
Gomati Krishnan Endowment	/Christa Mary Alexander Beena	
Dr. Mrudula Ramanna Prize	/Bhide Gandhali Atul Yashodhara	TYBA

WINNERS OF VARIOUS ENDOWMENTS AND INSTITUTED PRIZES

Name Of The Endowment	Winner Name	Class
Shri. R. Ramaswamy Iyer Endowment Prize	/Nair Arya Satheesh	TYBA
Smt. Ramachandra & Smt. Sitabai Endowment Prize	/Pradhan Aishani Ashwinikumar Anagha	XI SCIENCE
Shri. Vinayak And Smt. Pushpa Talashikar Endowment Prize	/Shaikh Tanzila Shameem	XII SCIENCE
Shri. Krishnamurthy Krishnaswamy Iyer Endowment Prize	Rohan Srinivasan Geetha	XI SCIENCE
Shri. Krishnamurthy Krishnaswamy Iyer Endowment Prize	/Nambiar Sakshi Sanjay Rupa	XII SCIENCE
Smt. Bhooma And Shri. S.v. Raghavan Endowment	Pradhan Mihir Prafulla Swati	FYBSC
Smt. Sudha And Shri. S.rajagopalan Endowment	/Gonge Anushka Akash Smita	SYBSC
Late Shri Krishnarao Betegeri Endowment Prize	/Gupte Rutuja Sandeep	MSC II
Late Mr. Vithal Kamath Endowment Prize	/Iyer Shruti Ap Kumar Jayashree	MSC I
Shri. C.P.Narayan Memorial Prize	Saraf Parimal Prakash Sharmila	FYBA
S.I.E.S. College Past Students' Association Prize	/Bushra Asif Satkhed Nishat	TYBSC IT
S.I.E.S. College Past Students' Association Prize	/Jui Sunil Chahure Gandhali	TYBMS
S.I.E.S. College Past Students' Association Prize	Bhayana Ishpreet Singh Paramjeet	TYBSC IT
S.I.E.S. College Past Students' Association Prize	Sakarkar Nauman Zubair Noorjahan	TYBSC CS
S.I.E.S. College Past Students' Association Prize	/Bapat Ojasee Ajinkya Supriya	TYBSC
Late Dr. Mahalaxmi Sunil Bhagwat Memorial Prize	/Rakhe Anushka Pushkar Pooja	XII SCIENCE
(Late) Shri Shamrao G. Kulkarni Endowment Prize	/Jain Dhruvi Vinod Kanchan	TYBSC
(Late) Shri Shamrao G. Kulkarni Endowment Prize	/Afrose Fathima Meeran	M.Sc.
(Late) Shri Shamrao G. Kulkarni Endowment Prize	/Singh Rahul Shivshekhar	MSC II
Late Dr. Mahalaxmi Sunil Bhagwat Memorial Prize	/Pathak Sakshi Sachitanand	XII SCIENCE
Shri. Vinayak And Smt. Pushpa Talashikar Endowment Prize	/Prasad Saranya Vinod Gayatri	XII SCIENCE
Shri. Vinayak And Smt. Pushpa Talashikar Endowment Prize	/Deshpande Tanya Rahul Sangita	XII ARTS
Dr. Purushottam V Gharpure Endowment Prize	/Pulluparamben Steffi Devassy Mary	FYBA
Shri Kejal Shashikant Vora Endowment Prize	/Wakade Aakanksha Madhukar Anita	XI ARTS
Shri Kejal Shashikant Vora Endowment Prize	/Pol Poonam Dhondiram	SYBA
Shri Kejal Shashikant Vora Endowment Prize	/Rane Nidhi Prashant Alka	TYBA

WINNERS OF VARIOUS ENDOWMENTS AND INSTITUTED PRIZES

Name Of The Endowment	Winner Name	Class
Dr. Lalita And Krishna Raghvan Endowment Prize	Harpad Shivnath Siddhu Sangita	MSC-II
Dr. Lalita And Krishna Raghvan Endowment Prize	/Shaikh Rukaiya Ashraf Ali	MSC-II
Dr. Lalita And Krishna Raghvan Endowment Prize	/Flinta Esther Dephy Anthony Wilson Rekha	TYBSC
Shri CSA Krishnan Endowment Prize	/Nair Arya Satheesh	TYBA
Dr. Mrudula Ramanna Prize	/Suryawanshi Tanvi Satishkumar Urmila	TYBA
Late (Miss) Surekha Kulkarni Memorial Prize	/Abinaya Muthukrishnan	XII SCIENCE
Shri. P.V. Narayanan Endowment Prize	/Devendra Revathi Ramaswami Kavita	TYBSC
Late. Dr. Meenakshi Thyagarajan Endowment	Neeraj Nambiraj R	TYBA
Late Dr. Meenakshi Thyagarajan Endowment	/Pereira Fiona Hubert Carmel	TYBA
Smt. N. Meenamani Memorial Endowment	/Ghogle Bhargavi Sudhir Mugdha	TYBSC
Smt. S Madhurambal Memorial Prize	/Lydia John Ponraj Vinoli	SYBSC
Mrs. Vijaya Krishnan Endowment	/Nair Arya Satheesh	TYBA
Late Dr. V. Balasubramanian Endowment Prize	/Shaikh Heena Ijjal Ruksana	TYBSC
Late Dr. V. Balasubramanianin Prize	/Maddur Mamatha Ramanjineyulu Gangamma	TYBSC
Shri C.V. Radhakrishnan Endowment Prize	Thakkar Harsh Arun Deepika	XI SCIENCE
Shri C.V. Radhakrishnan Endowment Prize	/Sawant Shreya Deepak Deepika	XII SCIENCE
Shri C.V. Radhakrishnan Endowment Prize	/Nisar Anjali Jayesh Deepa	TYBSC
Shri C.V. Radhakrishnan Endowment Prize	Iyer Sudarshan Narayanan Shamala	TYBSC
Late (Shri) Kuppuswamy Endowment Prize	/Sawant Shreya Deepak Deepika	XI SCIENCE
Late (Shri) Kuppuswamy Endowment Prize	Thakkar Harsh Arun Deepika	XI SCIENCE
Smt. Susan Benjamin Scholarship	/Rai Akriti Laxmikant Sandhya	XII ARTS
Smt. Ranganayaki Thyagaraja Iyer Endowment Prize	Thakkar Harsh Arun Deepika	XI SCIENCE
Smt. Ranganayaki Thyagaraja Iyer Endowment Prize	/Sawant Shreya Deepak Deepika	XI SCIENCE
Prof. M. Yusuf Kitekar Endowment Prize	Rohan Srinivasan Geetha	XI SCIENCE
Prof. M. Yusuf Kitekar Endowment Prize	Poojary Kaushal Prabhakar Sujatha	XI SCIENCE
Dr. Rajalakshmi Amudan Prize	Prachi Hajare	TYBSC BT

PRIZE DISTRIBUTION



Chief Guest for Academic Prize Distribution was Mr. R Gopalakrishnan, Author and Corporate advisor, former director TATA Sons.



Chief Guest for Non-Academic Prize Distribution was Justice K. R. Sriram from Bombay High Court





STATUTORY COMMITTEES

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- Vice Prin. Mr. Vinod Menon
- Vice Prin. Dr. Satish Sarfare
- Ms. Gayatri Sehgal
- Ms. Meena Potnis
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- Ms. Kamala Srinivas (Jt. Coordinator)
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- Dr. Roy Pereire (Industry Representative)
- Mr. Suhas Naik Satam (Community Expert)
- Dr. Nina Roy Choudhary (External Adviser)
- Mr. K. Vishwanath (Alumni Representative)
- Dr. Venkatramani (External Advisor)
- Mr. Aditya Anavkar (Student Council Member)



MEDIA BYTES



Ar on Gandhiji's writ



Mumbai SIES College conducts Seminar on Gandhiji's writings



K.A.Viswanathan Kalam Azad Institute continues to strike a Buddha, Confucius who hygiene. After organizing lectures on the 150 years of Mahatma Gandhi and 100 years of Jallianwalla bagh, the SIES College of Arts, Science and Commerce, Sion, Mumbai...



That's one small step for (a) man, one giant leap for mankind. It suddenly struck me that that tiny pea, pretty and blue, was the Earth. I put up my thumb and shut one eye, and my thumb blotted out the planet Earth. I didn't feel like a giant. I felt very, very small.

- Neil Armstrong after landing on Moon on 20th July, 1969.

यस्याश्चतस्रः प्रदशिः पृथव्या यस्यामन्नं
कृष्टयः संबभूवुः ।
या बभिर्तबिहुधा प्राणदेजत्सा नो
भूमर्गिगोष्वप्यन्ने दधातु ॥४॥



SIES SHALL BE AMONGST THE MOST ADMIRABLE ACADEMIC INSTITUTIONS IN INDIA

WHAT DOES ADMIRATION MEAN?

A feeling of wonder, pleasure or approval.

The act of looking on or contemplating with pleasure

Approval, esteem, regard, affection, veneration, honor, idolization, reverence - synonyms for admiration

OUR ADMIRATION SHALL FLOW FROM

The quality of our efforts in the field of education

The quality – the reach, the expanse and sweep of our academic services

Our respect for 'Law' at all times

The creation of an SIES Family where a full family tree would have experienced SIES as students

WHAT DOES THAT CONVEY FOR SIES?

We shall confine ourselves to our core competence i.e. universalising education

We shall redefine the boundaries of our activities beyond Mumbai, Navi Mumbai to India

We need not be 'BIG' but shall endeavour to be the 'BEST'

We shall be 'Admired' for our activities in life learning process through 'Education' The admiration shall come from all stakeholders – students, staff, society

Our scale of admiration shall be based on the value addition we provide during the student days

We shall ever remain 'Student centric' for we have no existence without them

IT'S HALF WAY THROUGH OUR CENTENARY IN 2032

Phase I - GOALS

Student strength to reach over 50,000

SIES – University for Higher education

All institutions accredited at the highest grade 'A' for e.g. in NAAC

Socially responsive education. Beyond the classrooms or social media. 'ISR' the dominant face of SIES. A Good share of admiration from ISR.

Most vibrant network of Alumni, Past Teachers and Staff, present human resources creating the vast SIES Family.

Phase II – Goals and action plan in 2022



THE IDENTITY FOR ANY SIES INSTITUTION

A distinct logo within the SIES logo

A value lab

An ISR Department

A Past Student's Association within the institution without separate legal existence

An active forum for parents and teachers

Capitation Free Merit based student enrollment at all levels

Highest accreditation from a National Agency

Research unit



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RISE WITH EDUCATION
NACC REACCREDITED WITH 'A' GRADE, CGPA 3.51/4.00
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