



BHARATI VIDYAPEETH  
(DEEMED TO BE UNIVERSITY)  
COLLEGE OF ENGINEERING, PUNE

Bharati Vidyapeeth University  
**bvucep**  
College of Engineering, Pune

BHARTIYAM

BHARATI VIDYAPEETH  
UNIVERSITY

ISSUE, 31

2023

# GENRE



# **OUR VISION**

To be World Class Institute for Social Transformation through Dynamic Education.

# **OUR MISSION**

To provide quality technical education with advanced equipments qualified faculty members, infrastructure to meet needs of profession and society.

To provide an environment conducive to innovation, creativity research and entrepreneurial leadership:

To practice and promote professional ethics, transparency and accountability for social community, economic and environmental conditions.

## **ACHIEVEMENTS & RANKINGS**

**India Today-2022-23** (13th rank in overall ranking, 3rd in west zone).

**Times of India-2021-22** (17th rank in overall ranking, 10th among private institute, 12th For Best Placement and 21st in research capability).

**DATAQUEST-2022-23** (18th rank at all India level and 11th among private institute, 3rd in west zone).

**Outlook- 2022-23** (29th ranked among top 100 Engineering Colleges of India successively for 10 years).

Recognized as the Best institute in Engineering- Placement by Pune Times Mirror education excellence survey 2022.

Certificate of excellence in reorganization of outstanding performance and premium quality work for Engineering institute of year by Navbharat Education award 2022.

Institution's Innovation Council (IIC) of BV (DU) COE has secured 3.5 out of 5 stars for the year 2022-23 and attained position in Top 150 IIC Councils out of more than 1700 IICs across the India.

Awarded as a Platinum Category Institute in the All India Council for Technical Education (AICTE) - Confederation of Indian Industry (CII) survey 2019.

Institute is listed as a part of AICTE-Distinguished Chair Professor Scheme (DCPs), DCP to be associated with the institutes for the purpose of providing online talk/visits. Only 14 institutes are selected by AICTE for the same.



**Hon'ble Dr. Patangrao Kadam**  
Founder, Bharati Vidyapeeth, Pune

# SOCIAL TRANSFORMATION THROUGH DYNAMIC EDUCATION



# FROM THE DESK OF OUR CHANCELLOR



**Dr. Shivajirao Kadam,  
Chancellor  
BV(DU), Pune**

I am very happy to know that our college of engineering at Pune is bringing out its annual college magazine, "**Genre**". I congratulate the principal and her colleagues for the same.

I also greatly appreciate the theme which has been identified for this year's magazine, viz. **Kaizen**: Change for the better. Kaizen is not only a concept among the Japanese, but it is also a way of life for them. Kaizen teaches you to discipline yourself by living in the present. It encourages people to visualize attainable goals and set smaller milestones to maintain motivation. With time, your desired destination will come closer until you reach the finish line.

I am sure readers of this magazine will grasp the essence of this theme and put the same into practice.

My best wishes to the Principal, her colleagues and students on the occasion of the publication of the college magazine.



# SOCIAL TRANSFORMATION THROUGH DYNAMIC EDUCATION



# FROM THE DESK OF OUR PRO VICE-CHANCELLOR



**Dr. Vishwajit Kadam,  
Secretary,  
Bharati Vidyapeeth.  
Pro Vice-Chancellor  
BV(DU), Pune**

It is a matter of great happiness that "Genre", the annual college magazine of the College of Engineering, Pune, a constituent unit of Bharati Vidyapeeth (Deemed to be University), Pune, has successfully ushered into its 31st edition in 'Genre 2k23'. This year, the magazine revolves around the theme, 'Kaizen: Change for the better'.

This year's theme truly encapsulates the approach with which the students and faculty of this college conduct themselves. Kaizen in education will also help teachers to implement new ways of teaching whereby students will be able to grasp knowledge easily and remember concepts forever.

This year marks the fourth anniversary of the death of our beloved Founder, Honorable Dr. Patangrao Kadam Saheb. It is with great respect for him that I say that the college has furthered its efforts in pursuing his dream of achieving technical proficiency along with the moral development of an individual.

I congratulate the editorial board for its continuous efforts which have yielded yet another successful edition of "Genre". The magazine is a testament to your perseverance. My best wishes to the entire "Genre 2k23" team.



# SOCIAL TRANSFORMATION THROUGH DYNAMIC EDUCATION



# FROM THE DESK OF OUR VICE-CHANCELLOR



**Dr. Vivek A. Saoji,  
Vice-Chancellor  
BV(DU), Pune**

It is a matter of great pleasure that the College of Engineering, Pune, a constituent unit of Bharati Vidyapeeth (Deemed to be University), Pune, is going to publicize “Genre 2k23” the official annual magazine for its students. This year, the theme for the magazine is “Kaizen: Change for the better”. I am impressed with the performance and achievements of the College of Engineering, Pune. Since its inception, the college has made a remarkable contribution to fulfilling the vision of our beloved Founder - Chancellor, the late Dr. Patangrao Kadam Saheb, “Social Transformation through Dynamic Education”.

The college has a proven track record of molding the best engineering brains and talents by way of organizing and conducting various curricular, co-curricular, and extra-curricular activities for its students. This year is the 31st edition of “Genre 2k23”, and the theme of this annual magazine is “Kaizen: change for the better”. Kaizen is a Japanese word that can be roughly translated to small, continuous improvements. I believe that Kaizen is one of the key factors for personal growth and enhancing life skills. The Kaizen philosophy says that you don't need to repair something only after it breaks down. Instead, you can keep looking for a scope for improvement and work on them so that there is never any breakdown, and I think every student should apply this ideology in their life.

I am sure that “Genre 2k23”, which the College of Engineering, Pune is going to publish as an annual magazine, will serve as a permanent inspiration to other engineering students. I wholeheartedly congratulate the faculty, students, and editorial board of the magazine for their efforts in bringing out the yearly magazine “Genre 2k23”. My best wishes to all of you.



# SOCIAL TRANSFORMATION THROUGH DYNAMIC EDUCATION



# FROM THE DESK OF OUR PRINCIPAL



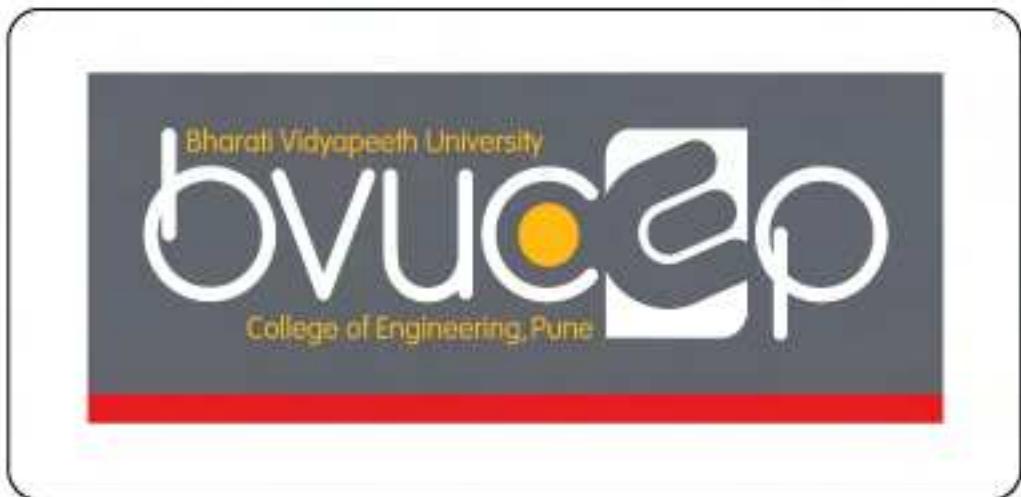
**Dr. Vidula Sohoni**  
**Principal,**  
**BV(DU)COE, Pune**

Every year, the college celebrates the ingenuity, achievements, and brilliance of its students through its annual techno-cultural festival, "Bharatiyam". There are a wide plethora of events organized in Bharatiyam each year. We strive to bring out the best in students by not limiting them to academics but imbibing skills like leadership, teamwork, and creativity through a range of technical and cultural events to make them stand out from the crowd. The fact that what was once a nascent idea is now one of India's most awaited college fests is a source of happiness for me.

Similarly, our annual college magazine "Genre" captures the essence of the whole institution in the form of inputs from our students and teachers. Each of its editions revolves around a theme, making it different and interesting every year. The magazine is a perfect manifestation of the achievements of our students. After the 4 long years of the pandemic, I am excited to announce that "Genre" is back in a new and improved version. This year's theme, "**Kaizen: Change for the better**" portrays the progressive spirit prevalent in all of us that will help our college reach new heights and change lives. Each year the editorial board works with zeal and fervor and finds a way to incorporate the thoughts of all its members. The fest and the college magazine have always complemented each other since their inception. I would like to thank all the faculty members who have always worked hard and guided the students to bring out the best in them. My sincere gratitude to our students, the building blocks of this college, who have worked relentlessly to make the fest a huge success. With the combined efforts of the students and the faculty, I am sure that Bharatiyam 2023 will take our institution to new heights.



# SOCIAL TRANSFORMATION THROUGH DYNAMIC EDUCATION



1



# FROM THE DESK OF OUR VICE PRINCIPAL



**Dr Sachin Chavan,  
Vice Principal,  
(Administration)  
BVUCOEP, Pune**

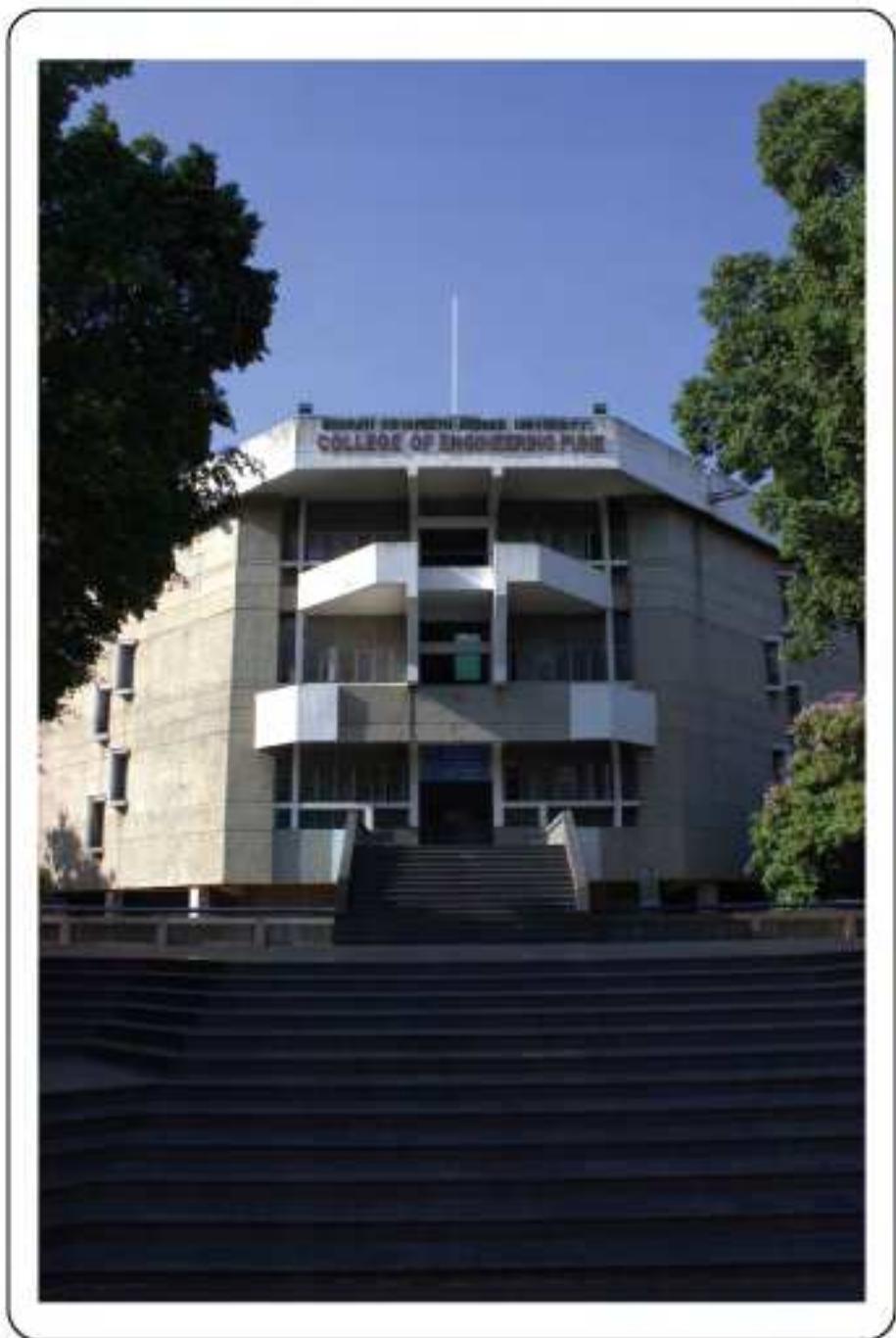
It is a matter of great pride that our official college magazine is being published after four long years. Aptly titled "Kaizen", a Japanese word that can be translated to continuous improvement, it acquaints us with a wonderful philosophy of change for the better. As engineers, we experience constant change in our industry with ever-evolving technologies and must learn to embrace them.

Having been in the role of Vice Principal for a mere one and a half months, I too, have experienced drastic changes recently. Change heralds challenges inevitably, and hurdles occur when there exists a communication gap. That gap can be bridged by building strong relationships with seniors, subordinates, and colleagues. Even for students, forging deep connections in society goes a long way. So, instead of chasing an ephemeral notion of happiness, I urge the youth to look within and reconnect with these roots. We are multidimensional beings. The real you is waiting to be discovered. Only then can one strive for a sustainable and lasting source of joy.

It is, therefore, an incredible source of joy that Bharatiyam has made a comeback this year. Memories of my youth from the early 2000s come flooding back to me every time Bharatiyam takes place. Our techno-cultural event provides a platform for students to exhibit and enhance their skills in every domain, thereby encouraging holistic development. I implore all students to take the initiative and grab this opportunity to shine. You may not realize what lies beyond your fear and hesitation - an array of leadership skills to gain and life lessons on teamwork.

I congratulate the Editorial Board for bringing together this wonderful magazine and contributing to Bharatiyam. The relentless efforts put in by the editors, as well as the designers are commendable. I wish you all the best of luck!

# SOCIAL TRANSFORMATION THROUGH DYNAMIC EDUCATION



# FROM THE DESK OF OUR VICE PRINCIPAL



**Dr Sunita Jadhav,  
Vice Principal,  
(Accreditation & Research)  
BV(DU)COE, Pune**

When I was first informed of this year's theme for the college magazine, Kaizen, I couldn't help but wonder how fitting it was given the current global context. Kaizen signifies continuous change, the one constant that we must adhere to as both leaders and engineers. The 500 BCE Greek philosopher Heraclitus also championed this ideology, and I can think of no reason to contest it.

A lot has changed during my tenure at this college, and at an unprecedented rate. It gives me great pleasure to state that most of these changes have been for the better. Keeping up has always been a challenge, but when have we ever shied away from that? However, it shouldn't always be like that. At times, we must take a step back and introspect.

I believe that to be able to view a certain perspective, you have to be in that spot. What I've realized over the years is that to be a leader is to be decisive, and you won't always make the right choice. No matter the position that you're in, it is only human to err. But the ability to acknowledge one's shortcomings is what makes you worthy of the shoes you're in.

In the end, I would like to congratulate the editorial board for coming up with this extraordinary theme and bringing it to life alongside our annual fest, Bhartiyam 2023. After four years of anticipation, the efforts put in by the students and the faculty are coming to fruition, and I for one, couldn't be more proud.

# SOCIAL TRANSFORMATION THROUGH DYNAMIC EDUCATION



# MESSAGE FROM THE CHIEF GUEST



**SANJAY GANDHI**  
**Vice President,**  
**Pune Management**  
**Association (PMA)**

As an educationist, I can attest that the theme of the magazine- "Kaizen", is one of great relevance in today's dynamic world. Industries are changing faster than ever, and as educators, it is our responsibility to keep up.

Likewise, it is important that students reciprocate this behavior and innovate in their own capacity. Young India has huge talent, and simultaneously, they have huge opportunities along with competitions. Students should integrate these opportunities with innovation to become the backbone of the economic engine for India.

After decades as an educator, I can say with absolute certainty that continuous learning & improvement is the only mantra to succeed in the global market. I really appreciate the theme Kaizen and congratulate you all on the successful completion of the magazine. I hope you are consistent in making magazines and organizing conferences to sensitize the EDtech market. It is about time we revolutionize innovation.

# MESSAGE FROM THE GUEST OF HONOR



**HRISHIKESH DANDE**  
**Region Head,**  
**Academic Interface**  
**Program, TCS**

I am very impressed at the level of preparation and dedication that the students of Bharati Vidyapeeth College of Engineering Pune have shown. The choice of Kaizen as the theme of the annual magazine is one that is very relevant to the world in which we live. With the vast plethora of both cultural and technical events on display at Bharatiyam, I am pleased to say that the students have embraced this theme to the fullest. The magazine, too, looks like it was designed by professional editors and designers. This initiative is a testament to the enabling power of technology coupled with the creativity of engineers. I congratulate the editorial board of the magazine and the organizing committee of Bharatiyam for such a memorable event.



# ABOUT BHARATI VIDYAPEETH UNIVERSITY

Dr. Patangrao Kadam established Bharati Vidyapeeth in Pune in 1964. Since its inception, Bharati Vidyapeeth has made astonishing strides in the field of education. Now, the Bharati Vidyapeeth group comprises around 180 educational units of various kinds, with more than 78 schools and 80 colleges under its aegis. On April 26, 1996, Bharati Vidyapeeth was bestowed the status of "Deemed to be University" by the Government of India on the recommendation of the University Grants Commission (UGC).

The university is ranked 68th amongst the top universities by NIRF and accredited with an 'A' grade by the National Assessment and Accreditation Council (NAAC). This stature has enabled and encouraged the university to establish more than 50 linkages with reputed academic institutions, both national and international. It includes the likes of North Carolina A&T University (USA), University of Cologne (Germany), and Liverpool Law School (UK), to name a few.

Spread across 85 acres of land, the prime campus of Bharati Vidyapeeth Deemed University is situated in the Dhankawadi-Katraj area of Pune. At the heart of the campus lies a sprawling sports ground of 5 acres, around which stand 24 colleges of various disciplines. The campus also houses the flagship Bharati Hospital, as well as an Ayurvedic and a Homeopathic Hospital. There are also hostels, canteens, and a bank to provide basic amenities to students.

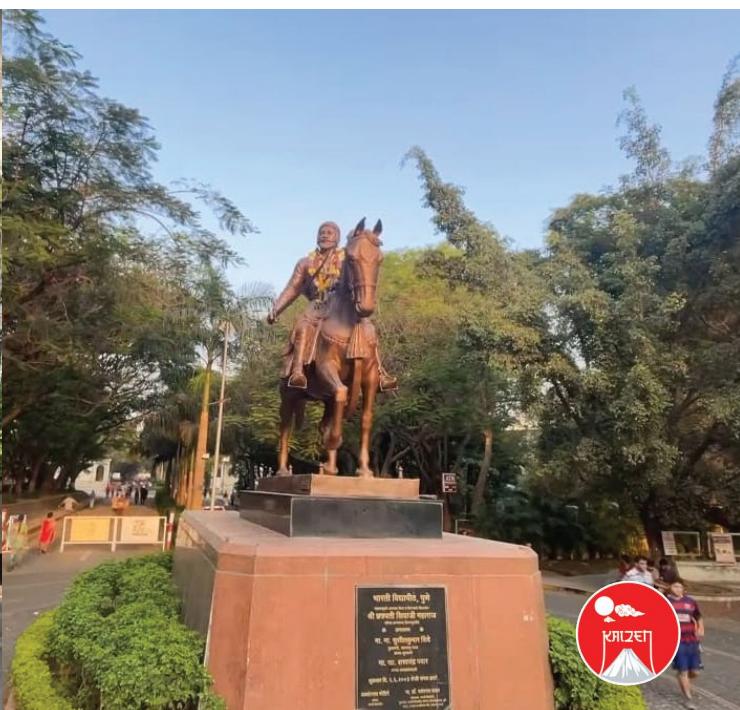


# AN INTRODUCTION TO OUR COLLEGE

Bharati Vidyapeeth (Deemed to be University) College of Engineering was established by Dr. Patangrao Kadam in September 1983. The college has operated as a constituent unit of Bharati Vidyapeeth Deemed University since June 2000. Approved by the All India Council for Technical Education (AICTE) and the University Grants Commission (UGC), the college has achieved accreditation of A+ grade by the National Assessment and Accreditation Council (NAAC) and several of its courses have been accredited by the National Board of Accreditation (NBA).

The college offers various graduate, postgraduate, as well as doctoral programmes in various engineering fields. Many annual surveys rank the college amongst the top engineering colleges in the country. It was ranked 131st amongst engineering colleges by NIRF and 29th amongst private engineering colleges by Outlook this year.

The college houses 101 laboratories, 43 classrooms, and 21 tutorial rooms. A five-storey library stands adjacent to the college building, with an impressive collection of more than 80,000 books. In addition, there is also the facility of a digital library with the membership of DELNET and AICTE Consortium which provides access to 1300 e-journals and more than 6 lakh individual documents on various subjects. Subscriptions to renowned academic journals and periodicals, especially related to the field of science, technology, and current affairs make 70 national and 71 international journals available at the disposal of students.



# TRAINING AND PLACEMENT



**Prof. Dr. Pramod V. Londhe**  
**Head,**  
**Training and Placement**  
**Department**

The Placement Cell plays a crucial role in locating career opportunities for students. The cell organizes various career guidance programmes which help the students to apply for suitable roles. The placement of last year is 87% with highest package of 12.69 LPA and the current year placement till date is recorded 80% with a highest package of 27 LPA



The Bharati Vidyapeeth Deemed University College of Engineering, Pune Campus's Training and Placement Unit offers students the greatest possibilities to develop their abilities and get ready for a rewarding future. It works hard to keep good connections with top businesses across a range of industries and makes sure students get the best placements. Better communication, coordination, event management, leadership development, and easy placement execution are its primary responsibilities.

The cell has collaborated with many Top companies, including Juspay, PhonePe, Amazon, Minda Corporation, Mahindra & Mahindra, and Mahindra Lifespaces, Aakash Byju's, Hitachi, Bristlecone, Ashok Leyland to recruit students for various roles in engineering, management, and other domains. Salary packages range from 27LPA to 6.5 LPA.

To help students get ready for placements, the cell organises training activities such as mock interviews, aptitude tests, group chats, and workshops on constructing a resume and communication skills. These activities help students prepare for placement and develop their personalities.

In addition, the cell collaborates with Japan and manages a reciprocal Japan Exchange Program with the Kanagawa Institute of Technology in Japan and Code Tots (Japanese Language Learning), which guarantees that students will be hired by a select group of Japanese companies, including Sony, Honda, Panasonic, Hitachi, Toshiba, Sanyo, Casio, Canon, Minolta, Nikon, Toyota, Suzuki, and many others.

The interaction between the college and the industry has been significantly strengthened thanks to Prof. Dr. Pramod Vilas Londhe, Head of the Training and Placement Cell. His extensive background in training and placements has helped the cell build a reputation for offering students top-notch placements.

Awards and appreciation received by Training and Placement Cell:

- Best institute in Engineering for placement (by Pune Times Mirror)
- Ranked 9 thin T-School Employability Ranking 2022.

Overall, the Bharati Vidyapeeth Deemed University College of Engineering, Pune Campus, is committed to helping students find employment. One of the most sought-after engineering colleges in India because of its efforts to build a bridge between the institute and the industry and great placements.



# NATIONAL SERVICE SCHEME

**निवडक**



**रांजे, ता. भोर :** येथे भारती विद्यापीठ अभियांत्रिकी महाविद्यालयातोरे आयोजित शिविरात बोलताना प्राचार्या डॉ. विठ्ठला सोहनी व उपस्थित मान्यवर.

## भारती विद्यापीठाच्या हिवाळी शिविरांतर्गत रांजे गावात आरोग्य तपासणी

आंबेगाव बुदुक, दि. १२ - भारती विद्यापीठ अभियांत्रिकी महाविद्यालयाच्या राष्ट्रीय सेवा योजनेअंतर्गत आयोजित करण्यात आलेल्या हिवाळी शिविराचे विशेष आरोग्य तपासणी शिविर रांजे ता. भोर येथे पार पडले. याचे उद्घाटन भारती विद्यापीठ अभियांत्रिकी महाविद्यालयाच्या प्राचार्या डॉ. विठ्ठला सोहनी यांच्या हस्ते झाले, याप्रसंगी तालुका भोरचे गटविकास अधिकारी किरणकुमार धनवडे, शाखा अभियंता इकबाल शेख, राष्ट्रीय सेवा योजनेचे कार्यक्रम अधिकारी डॉ. अमोल कदम, सहकार्यक्रम अधिकारी प्रा. प्रशांत यादव व प्रा. तुळशीहार पाटील, रांजे गावच्या सरपंच सुप्रिया जायकर, उपसरपंच प्रियंका भोसले, ग्रामसेवक भूषण पुरोहित व इतर ग्रामपंचायत सदस्य उपस्थिती होते. या शिविराला गावकन्यांकडूनही प्रतिसाद मिळाला. त्याचप्रमाणे शिविराच्या दिवशी विद्यार्थ्यांनी आरोग्य सर्वेक्षण करून स्थानिकांची माहिती घेतली. स्वयंसेवक क. रोहित पाटील यांनी मान्यवरांचे आभार मानले.

The NSS stands for 'NATIONAL SERVICE SCHEME'. Our motto is 'Not Me But You'. On 24 September 1969, Union Education Minister Shri. V.K.R.V Rao launched the NSS at 37 universities in several states of India. The scheme has been extended to all states and universities in the country and +2 level institutes in many states.

The program aims to imbibe the philosophy of social welfare in students and to provide service to society. NSS volunteers work to ensure that everyone who is needy gets the help required to enhance their standard of living and lead a life of dignity.

Similar to how the NSS aims to serve the Nation, the NSS team of Bharati Vidyapeeth (Deemed to be University) College of Engineering Pune has done a great job in this academic year 2022-2023. This year our NSS unit has conducted various activities like Swach Bharat Abhiyan, celebrated Yoga Day, and organized Blood Donation Camp.

At the end of this year the NSS unit of Bharati Vidyapeeth (Deemed to be University) College of Engineering Pune organized NSS Camp in the Ranje Village in Pune District. This village was approximately 22 Km away from our College, and volunteers spent a memorable 7 days there.

NSS volunteers interacted with villagers and accordingly organized NSS activities. We organized sports events, various medical events, dental Checkups, Ayurvedic Health checkups, and Eye checkups. Along with this, a number of Awareness events were held. Last but not least, there was a cleanliness event wherein we trekked to Sinhagad Fort for cleaning this Heritage Site.



The NSS is not just a club it's an emotion, an emotion that connects society and NSS volunteers. It allows you to participate in various National and State level programs such as National Integration, value-oriented self-development camps, Adventure camps, workshops, etc. It also gives one the opportunity to participate in the RD Camp held from 1st-31st January every year in Delhi. The NSS also provides benefits and reservations in many Government jobs for encouraging the youth of our Nation.

By joining the National Service Scheme, you will get the opportunity to serve humanity in the true sense. There are many social works in the country that require the youth to take the initiative. In that spirit, we call upon all of you to join the National Service Scheme in greater numbers and dedicate yourself to the invaluable service of the nation. You will never get such a golden opportunity in life.

Service to man is service to God and we at NSS prove this statement.

Dr. Amol Kadam  
NSS Programme Officer

Prof. Prashant Yadav  
NSS Co -Programme Officer

Prof. Tulsihar Patil  
NSS Co -Programme Officer



# THE EDITORIAL BOARD



## SENIOR EDITORS

### TOP (L to R) :

Naman Singh, Subhashish Biswas, Avibhajai Ish, Yuvraj Singh Sooryavanshi & Pranit Kalekar.

### BOTTOM (L to R) :

Shivangi Bansal, Nandini Raizada, Anisha Jain, Shranya Gupta, Ayushi Mishra, Astha Dongaonkar, Abhiruchi Shandilya, Vanshita Jain & Suhani Raina.

### TOP (L to R) :

Animesh Kumawat, Ayush Nath Jha, Bhanudhay Singh Tomar, Ansh Mehrey & Shubham Pawaskar.

### BOTTOM (L to R) :

Aditya Choudhary, Ananya Raj, Ishika Shivhare, Hiba Rahman & Vidhi Awasthi.



## JUNIOR EDITORS





## DESIGNERS

**TOP (L to R) :**

Ashwin Solanki, Priyank Srivastava & Kawaljeet Singh.

**BOTTOM (L to R) :**

Geetika Shaaran, Shivani Srivastava, Hiba Rahman & Nidhi Saurav.



## THE EDITORIAL BOARD



# EDITOR IN CHIEF



*Shubham Pawaskar  
Editor in Chief  
Genre 2023*

My father always says that, “Engineering is not about what you learn but about the people you meet, and the experiences you have.” As the world slinked into the grips of the pandemic, I found this statement increasingly difficult to justify. As we all went online, so too did our friendships, interactions, and even our activities.

But one day, as I was sitting in the library with a friend, talking about the Knights Templar and the legends of King Arthur, my father’s words came back to me. In the semester to follow, I had many such discussions with many of my friends, either in the canteen or in the library. We spoke about the James Webb Telescope or the war in Ukraine or the latest news from international chess tournaments. And as my father’s earlier statement came to be vindicated, I began to wonder at the number of moments I had missed out on in the past 2 years. How many such memories had we all been robbed of at the same time? If this is the type of diversity of thought and opinion that engineering undergrads could produce, how much potential had been left undiscovered in the past two years? It is in this respect that this college magazine provides us with the opportunity to express our opinions and understand those of others. In this polarized and divided world, this is the only way to bring about a change for the better. The philosophy of Kaizen seeks to bring together the diversity of thought and skills to bring about change. Our choices of Amanda Gorman, Vitalik Buterin, Pu La Deshpande, and Baba Nagarjuna to personify this magazine also represents this diversity. Young and old, poetic and methodical, rebellious and traditional, it’s going to take the efforts of everyone to change the world for the better without leaving anyone behind.

So, in that spirit, this magazine is dedicated to the memories that never were, to the forgotten generation of online students, covid victims, and the teachers who adapted to the new normal. And to you dear reader of the next generation of students, may you create the memories that we could not. I hope this magazine inspires you to do just that.



# EDITOR IN CHIEF



*Aditya Choudhary  
Editor in Chief  
Genre 2023*

Welcome to *Genre2k23*, our latest edition that centers around the theme of Kaizen, a Japanese concept of continuous improvement. Our writers have explored various dimensions of kaizen, from personal growth to societal progress, and presented their insights in articles, poems, and artwork.

As students, we are always seeking ways to improve ourselves and our surroundings. Kaizen encourages us to approach this pursuit with mindfulness and purpose, taking small but meaningful steps towards achieving our goals and striving for betterment. Despite a challenging year, our students have shown resilience, creativity, and innovation. This magazine is a testament to their hard work and passion. Through stories, art, and ideas, we hope to inspire and entertain our readers.

We would like to appreciate the efforts of our junior editors, Shranya Gupta and Kawaljeet Singh, for bringing this magazine to life. Their talent, creativity, and attention to detail have truly impressed us. Their dedication is a true inspiration to all of us, and we are grateful for their contributions. We thank everyone who contributed to this year's magazine, from the writers and artists to the editors and designers. Your dedication and talent have made this magazine a labor of love, and we are grateful for your hard work.

We believe that the stories, art, and ideas presented here will inspire, challenge, and entertain you. Thank you for your support, and we look forward to bringing you more creative work from our talented students in the future.



# DEPUTY EDITOR IN CHIEF



Shranya Gupta  
Deputy Editor in Chief  
Genre 2023

As the Deputy Editor of Genre'23 and a third-year student, I am honored to be a part of our college's editorial board. The theme decided for our college's magazine this year was Kaizen and it was a great experience gathering different pieces by different people, getting their perspectives on the magazine.

Speaking for myself, a very beautiful word has been added to my vocabulary thanks to this magazine. Change in a good direction is an augment of growth in our society. It has been 4 years since our college magazine was published and a lot has changed in this period of time. COVID-19 brought our lives to the online realm which can be viewed as an improvement. It has made our lives easier when everything is back to normal. Hardships give us a push to become a better version of ourselves. It is a catalyst for good change.

This year our college is bringing back Bharatyam'23, for the first time since the pandemic. It is an exciting time for all of us as we come together to celebrate our talents, skills, and achievements after waiting for four years.

I want to express my gratitude to all the committee members, teachers, and, staff who put in so much effort to make this fest a success. An event of this size requires extensive preparation and planning, and we are grateful for your efforts. I'm excited to celebrate our accomplishments as a campus community with all of you at Bhartiym.



# DESIGNER'S PHILOSOPHY



*Hiba Rahman  
Designing Head  
Genre 2023*



*Kawaljeet Singh  
Designing Co-Head  
Genre 2023*

At Genre2K23, our philosophy is centered around celebrating individuals who have made significant contributions to their respective fields but might not receive recognition outside of them. We believe that these individuals deserve a platform to showcase their work and inspire others. To embody this philosophy, we have identified four personalities who represent the magazine in its entirety. Each of these individuals has achieved great success in their field but may not be household names.

The first personality is a technical innovator who has been at the forefront of major technological advancements since the start of the COVID-19 pandemic. This individual has made significant contributions to fields such as cryptocurrency, blockchain, and artificial intelligence. We are proud to feature their insights and perspectives in a new section of our magazine dedicated to technical articles.

Our second personality represents the Kaizen theme that we embrace at Genre2K23. This individual is a continuous improver who is always seeking to enhance their skills, knowledge, and expertise. They have made significant contributions to their field by consistently challenging themselves and seeking new opportunities to learn and grow.

The third personality represents the art world and the various circles that exist within it. We recognize that there are many art clubs, organizations, and groups that are doing important work but may not have a large platform to showcase their achievements. We have dedicated a single page to each of these groups to give them the recognition they deserve.

Finally, we recognize the achievements of the college community and have given them a larger platform to share their accomplishments. We believe that colleges are important institutions that shape the minds of future leaders and innovators. By highlighting the achievements of the college community, we hope to inspire and motivate others to pursue their goals and make a difference in the world.

At Genre2K23, we value design and aesthetics. We believe that good design is not just about aesthetics but also about function and purpose. We strive to create a magazine that is visually appealing, easy to navigate, and provides valuable content to our readers. In summary, our philosophy at Genre2K23 is to celebrate individuals and groups who are making significant contributions to their fields but may not receive recognition outside of them. We are committed to providing a platform for these individuals and groups to showcase their work, inspire others, and make a difference in the world.





## A RENDEZVOUS WITH THE PRINCIPAL

1. The theme for this year's magazine is the Japanese word Kaizen, meaning small and continuous improvements or changes. What is your take on this year's theme?

I personally like the word Kaizen, which comes from Japanese. It is a combination of two words meaning change and improvement. I selected this theme for this year's Bhartiayam because it applies to our institute in three folds i.e. to students, faculty, and the non-teaching staff. Students must continuously improve their academic performance, behavior, cultural activities, and skills to remain competitive in tomorrow's world. Teachers and professors must find new and innovative ways to improve their teaching skills, behavior, research, and contribution in various fields and impart that knowledge to students. The non-teaching staff can also find ways to make their work more efficient and accurate. Punctuality is the key aspect applicable to all members of our institute. Overall, Kaizen will lead to the all-rounded development of our entire institute through these practices.

2. You mentioned how Kaizen is relevant to everybody in this institute. How can students seek to bring about Kaizen in their life?

Kaizen applies to students who want to improve their performance. In Kaizen, there is a concept called the five S concept. The first S is "sort" wherein the student has to choose which qualities he/she wants to improve. The second S is "set" in which he/she has to set the things he wants to improve in order. The third S is "shine", implying that students need to be willing to improve and succeed in those activities. The next S is "standardize". Once you know how to improve in a particular area or quality, the process must be standardized. Finally, the last S is "sustain". The student has to sustain the pace of improvement. That is how students will bring improvement in themselves and improve their careers with the help of Kaizen.

3. What is one message or piece of advice that you would like to give the editorial board?

I think Kaizen sums up the message that I'd like to give the editorial board. You have to try and develop a culture based on continuous improvement. Identify the fields in which you can make improvements and carry them out accordingly so that you can make Kaizen a part of your life and system.

4. Change is not easy, what are some of the biggest hurdles that you have faced on this journey while going from being the head of the department to now being the principal of our college?

I agree that change is not that easy. I was the head of the civil engineering department for the past 20 years before I became the principal. During this journey, I used to perform many tasks in addition to my role as the head of the department. I helped the principal in various aspects related to academics and administration, so I was aware of the responsibilities of the principal. This journey from the head of the department to the principal was hence not that difficult. The only thing that I had to worry about were new things relating to accounting and budgeting. However, once I got acquainted with these things, hard work, and targeted study helped me improve in these aspects.



## 5. What are some things that have changed for the better since you joined our college?

I have been a part of this college for the last 35 years and served as the head of the department for 20 of those years. I have seen a lot of things that have changed for the better. The first change is in the student-centric approach. I always think for the betterment of students and emphasize the academic aspect because an academic culture has to be developed. That is why all students have easy access to higher authorities, including the principal. The second change has been the overall working environment. For the teaching faculty, the students, and the non-teaching staff, the working environment is very positive. Working under pressure and just hustling with no returns is no longer the criteria anymore, and that has made all the difference in this one year. That is the best change I could bring out in this one year.

## 6. What changes do you envision in our college in the next five years?

I hope to improve the college in various aspects related to admissions, research, placements, and rankings. I am also looking forward to collaborating with foreign universities in the future so that our students can get the chance to interact with foreign professors and take part in some exchange programs.

## 7. Bharatiyam is back after four long years. What is the best aspect of Bharatiyam according to you?

The best aspect of Bharatiyam is the teamwork, the planning, and the involvement of all the students in various activities. It is the overall dedication of the students that makes Bhartiyam special and successful.

## 8. What are some of the challenges that you have faced as a woman in Tech? How would you advise your female students to navigate the male-dominated Tech Industry?

When I entered the field of engineering about 35 years ago, very few women were visible or even encouraged to pursue this career. The problems arose from the opinions and feelings of other people. These problems manifested themselves in the form of certain restrictions like not being able to work late at night and facing impediments while going out for any remote site visit. However, I never believed in those restrictions. Fortunately, I was able to overcome these challenges. In many places I was alone, working with a number of male colleagues. You have to overcome such impediments with a positive approach toward yourself and your work. If you keep thinking, "I am a woman, and this is my limitation," you won't be able to succeed. My advice to all female engineers, female students, and female faculty members is to not consider themselves any different from their male peers. You are one of them and deserve the same respect afforded to any engineer.



9. Throughout your career as an educator, I'm sure that you might have interacted with many generations of students. What is something that you find that stands out with Generation Z?

I understand that Generation Z refers to those born from the late 1990s to the early 2000s. My own children are from this generation and this generation is very inclined toward technology.

They are very active, knowledgeable, and up-to-date with the latest conditions because of the internet. However, sometimes that is taken to the extreme as they stay awake at night, play games excessively, and get too attached to their gadgets. That is a major problem with Generation Z. Though I am not from this generation, I can still easily relate to them. They too, have a thirst for knowledge and want to make things better for society by utilizing technology. They are not ashamed of their identities and stand up for their values. This is something that all generations must learn from them.

10. As an educator, you've contributed a lot to society by imparting your knowledge and guiding the younger generations. How would you suggest that we, as engineers in the making, can contribute back to society?

Today's generation is very much aware of the situation around them. We all have different ways in which we can help society. You can donate some percent of your income, teach whatever knowledge you have to needy students, and help them get acquainted with the latest technology. You can volunteer at old age homes. You can work on startups and help the nation to advance. That is how the young generation can help society.



# ENGLISH

*"If we're to live up to our own time,  
then victory won't lie in the blade.  
But in all the bridges we've made,  
that is the promise to glade,  
the hill we climb.  
If only we dare."*

**Amanda Gorman**  
American Poet and Activist



## AMANDA GORMAN

Amanda Gorman, (born March 7, 1998, in Los Angeles, California, U.S.A) is a celebrated American poet and activist renowned for her works addressing Black identity, feminism, marginalization, and climate change. She received global acclaim after delivering her poem "The Hill We Climb" at the inauguration of U.S. President Joe Biden in 2021. Amanda overcame an auditory-processing disorder that made it difficult for her to pronounce the letter "r," and she found poetry to be an accessible way to express herself. In 2015, she self-published her first poetry collection titled "The One for Whom Food Is Not Enough." She was named as the inaugural National Youth Poet Laureate in 2017.

In 2021, Amanda joined a select group of poets, which included Robert Frost and Maya Angelou, who recited poems at a U.S. presidential inauguration. Amanda recently published a collection of poetry titled "Call Us What We Carry" (previously known as "The Hill We Climb and Other Poems") and a children's book titled "Change Sings: A Children's Anthem."

# A SAILOR'S TALE

A morning bright turned into a scary night  
 Then came the hand that brought back the light,  
 Such is my tale oh readers!  
 I sing of the deeds of them Death-Defeaters.

As jumped around day and night  
 I lived on with a childish delight,  
 Blind to the approaching hazard  
 When it finally hit, I fell and scattered.

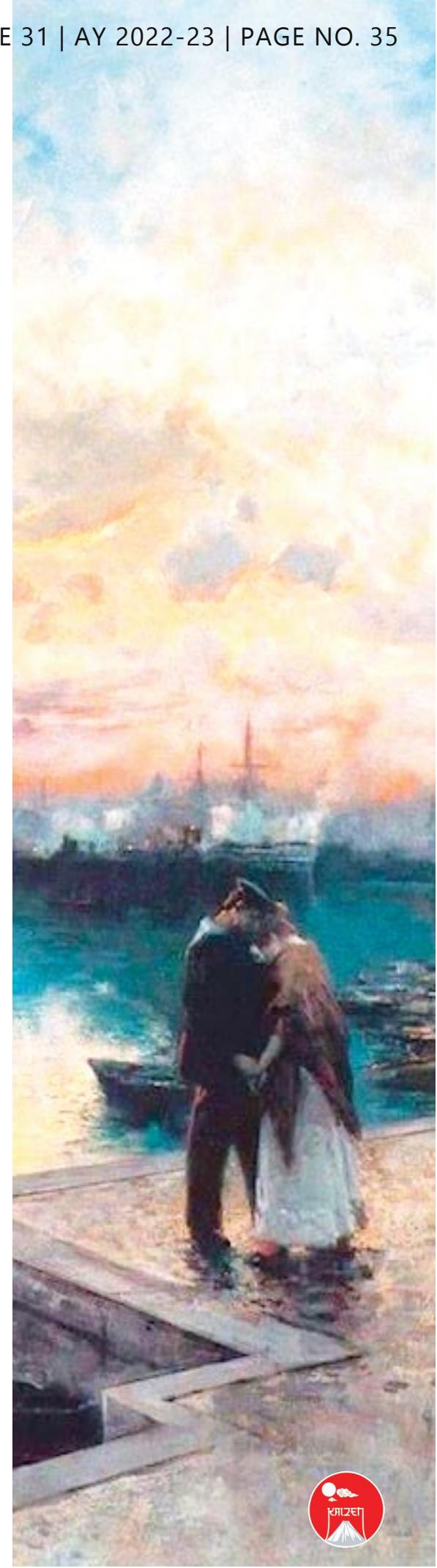
No way to pay the bills that mount  
 Tired, lost and exhausted, I wanted out,  
 But god works in mysterious ways  
 On me, they shone like hopeful rays.

Stood by me in my dreadful fight  
 Helped me with all their might  
 With their strength to spread delight  
 They brought me back my lost sight.

When the clouds grew dark and the sky went gray  
 They put new sunshine in my day,  
 Like me, lost at sea were many more  
 Who too found them as their savior shore.

With a smile forever on their faces  
 With happiness, others' sorrows they may replace,  
 Thankful to them, I once again raise my sail  
 I bid goodbye, and end my tale.

*Shreyash Karnavat  
 Semester 6  
 CSBS*



# SOMEONE

I am leaving it all here.

Someone's friendship, the one I've always fought for.

Someone's love- the one that always hurts.

Someone's idea of me- the one that always questions my heart.

Someone's concern- the one that always held me back.

Someone's pain- the one that I can never cure.

Someone's doubts- the one that adds to mine.

Someone's growth- the one that pushed me back.

Someone's hate- the one that I never deserved.

Someone's insecurities- the one that took wings from me.

Someone's anger- the one that left me with no strength.

Someone's happiness- the one that came at the cost of mine.

Someone's exceptions-the one that tried to steal the rights of my life.

I'm leaving it here. All this time.

I've cried. I've smiled less. I've held myself back.

"Here, in this moment, I forgive, I forgive everyone, everything,  
every situation not because I got all I wanted-

But because, I know I deserve happiness, love and  
everything just a bit better."

All that I have now is mine.

It's full of flaws

But, at least it's mine.

I've a hold

It'll be better.

*Sonali*

Semester 8

CSBS





# RED

Under the blanket of stars  
On the bed of lush green grass  
They lay naked  
The White Petal and the Thorn  
"Ouch",  
Said the petal as the thorn touched it,  
Dew dropped on the rose  
As if it cried out in pain  
Kissing the petal on her forehead  
The thorn whispered  
"I will love you in all seasons."  
And the thorn held her  
Like a new-born baby, delicately!

Embracing the Petal tips,  
He engraved poetry inside her  
With the ink of blood-red  
As bluebells, Honeysuckles  
And dark hazels rejoiced,  
Intermingled into each other  
The white petal  
Turned into a beautiful red flower,  
Called the rose.

*Himani Kulshreshtha,  
Semester 6  
Electrical Engineering*



# UNDER YOUR SPELL

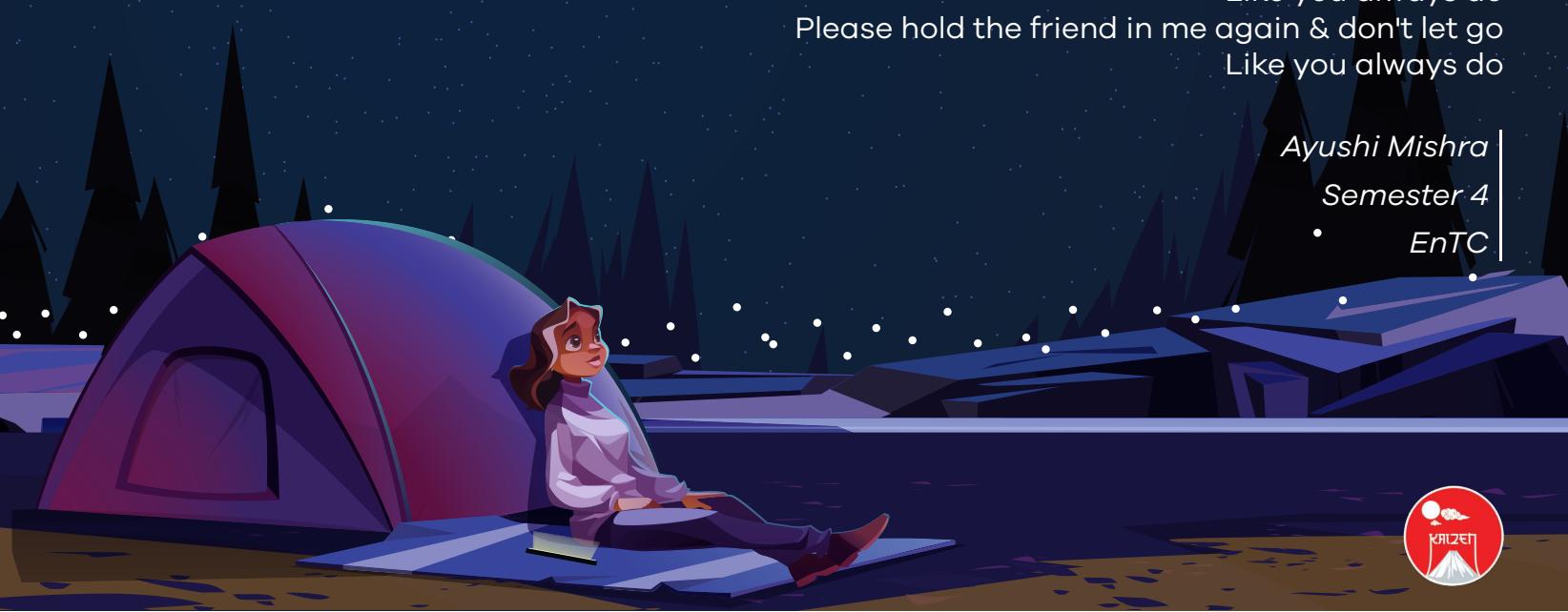
You cast your spell and I went under  
 I find it so difficult to leave  
 Some nights I sit & wonder  
 What if I never met you the way I did?  
 Perhaps it was all supposed to happen  
 I've started believing in destiny  
 Some nights I can't help but sit & imagine  
 All the things we aren't but could be

But you know that I get scared  
 Scared to walk down a path  
 Where I know there's a dead end  
 From where it'll become impossible to return  
 After all, I'm just a friend  
 I act like I don't care  
 But I dream of my lips touching yours  
 And a shiver runs down my spine  
 Even when I'm asleep & unconscious  
 I wake up with your name  
 Then label this dream just nonsense



I remember how I swore  
 To put our friendship first  
 But I'm scared that if one sweet night  
 This mask that I've been wearing falls off  
 One random night while looking at  
 One of your pictures  
 If the lover in me will overwhelm

The friend you have  
 I'm suppressing these emotions  
 But if someday it all explodes  
 Please act as if nothing happened  
 Like you always do  
 Please hold the friend in me again & don't let go  
 Like you always do



Ayushi Mishra  
 Semester 4  
 EnTC



# A DARK WORLD

We can't see it, we do not know what it's made of, and we're not entirely sure it exists. What we do know is that there's a great deal more to the microcosms than meets the eye. Globes, stars, asteroids, and worlds, the effects that we can see, constitute less than 5% of the total macrocosms. So, what makes up the rest? Therein lies the riddle.

Exploration suggests that a large proportion of the visible cosmos is composed of a strange substance known as dark matter. Dark matter is a mystification that has agonized scientists for nearly a century, but as technology advances, we're edging closer towards the verity. Scientists all over the world are hunting for dark matter and more mysterious dark energy. What they find could ultimately transfigure our notion of the macrocosm.

Scientists have been hunting for Swiss-American astronomer Fritz Zwicky first theorized its actuality back in 1933. Later, in the 1970s, Rubin discovered firm actuality of dark matter. find dark matter itself within century later, we are still looking. Still, that's not to say we have not made progress.



Since the turn of the 21st century, scientists have been using advanced sensors fitted to spacecraft drifting through space. These sensors search for cosmic shafts, a form of energy that we'd anticipate to be produced if two

dark matter for a long time. Zwicky first theorized its actuality the American astronomer Vera Rubin prognosticated we'd 10 times, but nearly half a century later, we are still looking. Still, that's not to say we have not made progress.

century, scientists have been to spacecraft drifting through the substantiation of high-energy collisions between dark matter patches collided - if indeed dark matter is a flyspeck.

Science is grim, and so the quest for dark matter will continue. We must keep up the hunt. Dark matter holds the key to all feathers of secrets about the cosmos. Eventually, everything we see around us, everything we have ever known, might have been shaped in some way by this riddle. Amidst all the unknowns, one thing is for certain, dark matter may be good at caching, but hopefully, it's no match for the curiosity of the mortal spirit. Thanks to our implacable drive to explore, discover and understand, we'll never stop hunting for answers.

*Akshat Raj  
Semester 6  
Computer Engineering*



# YOU, MY ALTER-EGO

Are you still there?  
Like my forgotten village,  
Where that levitating life is rare.  
In my arms that silhouette rests,  
Although visible, not truly pellucid.

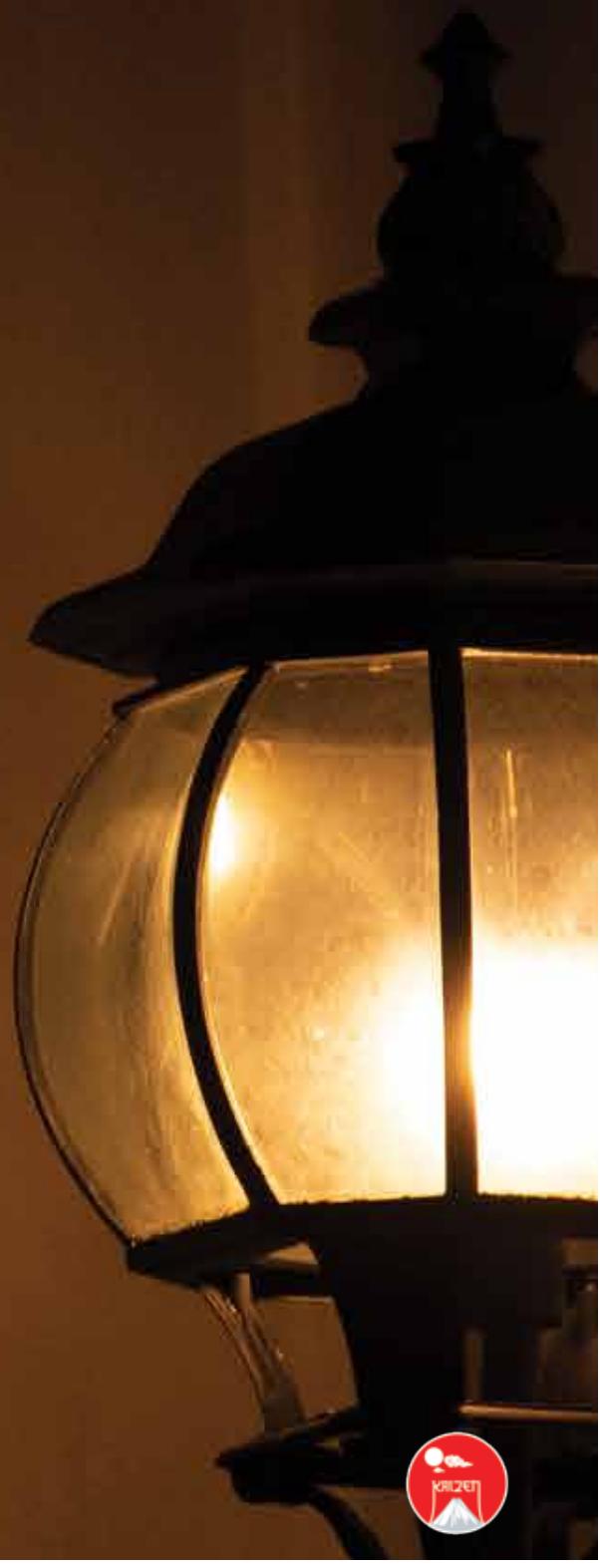
Are you still there?  
Leaving me deep, down, and desolated,  
Astounding me with an echo that slowly fainted.  
Where my abyss cannot be felt like time,  
Where dreams come true, like a lantern's shine.

Are you still there?  
Around my soul's flair,  
Renouncing me from your world too early,  
Wherein my rain of thoughts would shower  
rarely.

Are you still there?  
Often dancing with my sultry scares,  
When the finest of twigs, couldn't hurt me bare,  
Your deceitful harks shredded my tears.

Are you still there?  
Keeping up with the pace of your aura,  
Sustaining within me, and my mind's sauna.  
I was fighting my own battles,  
Only to realize it was only you, whom I tackled.

Anmeet Chawla,  
Semester 8  
CSBS



# THERAPY

Don't be worried if I don't text you tomorrow  
Maybe I'm just hiding under my blanket fathomed by sorrow

My pillow wet with the tears that I shed  
Unseen, unbothered, ignored and filled with regrets.

As the days pass by, I count the nights and cry

Falling from faith, falling in love

Is anyone there, up above?

This is not what I wanted

My perception of life was so sorted

Then why does this make me feel so guilty

I wasn't this weak that I'd escape reality

Today even when I have someone who loves me

I feel lonely, odd and not free

I wish could cut off this caged existence

But it would also be termed as selfishness

It is hard to explain

Without being considered insane

To have kept it all to myself

Even the weekends seem to be a chore to put a

smile on my face as I walk out that door.

That's when I realized, I needed help

Akshar Singh,

Semester 4

Information Technology

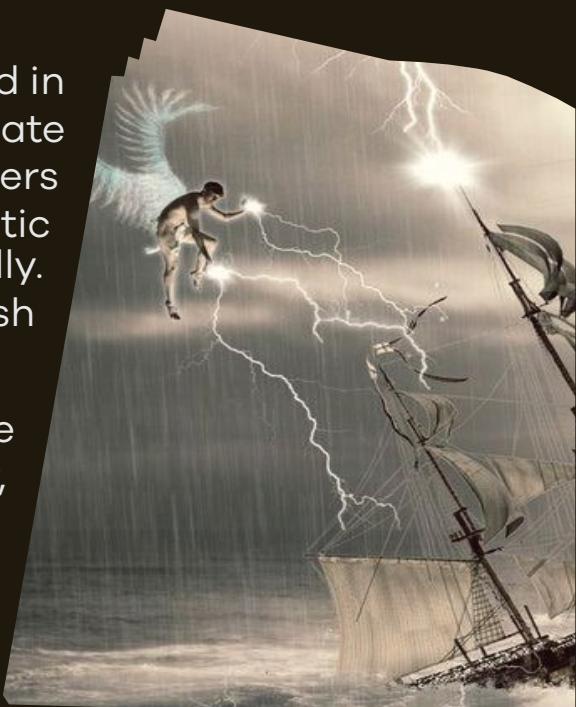


# THE EVOLUTION OF LANGUAGE

Language is a perpetually evolving social phenomenon that involves many nuances in both its verbal and vernacular forms. Accents, dialects, slangs - local variations in language bring life to words in vastly different ways and assimilate shades of meanings to them that are subject to change over time.

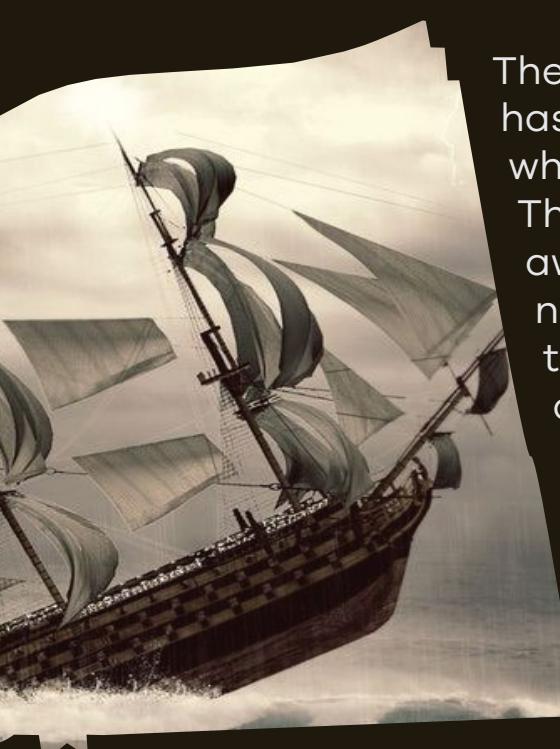
The historic development of English was first recorded in the Oxford English Dictionary (OED). It was in the late nineteenth century, long before the facility of computers and the accuracy of digital databases when linguistic researchers began to compile the OED manually. Needless to say, the first edition of the Oxford English Dictionary wasn't entirely flawless.

Computational analysis of texts has come to dispute the status of the most celebrated language disruptor, William Shakespeare. He is credited for the innovation of over 1700 words, but the notion of his audience understanding his works despite them being riddled with dozens of new words per play is doubtful. It is more likely that Shakespeare was the first person to simply record the colloquial vocabulary of the Elizabethan era in the written form. Further research has even debunked some of these words, like the word "puke". "He used to be the first citation for that, but he isn't anymore," says Katherine Marin, head of US Dictionaries at Oxford University Press.



So the question arises if Shakespeare wasn't the great language disruptor that we regarded him to be, who is heralding linguistic changes? Most recent research yields the same answer: Women.

Marginalized communities and minorities have been observed to develop their own version of the common tongue, but new findings propose that gender is a more decisive influence on language change than social standing. William Labov, the founder of modern sociolinguistics, observed that young women lead 90% of linguistic change. This trend has not only been observed in the evolution of the English language but also in other cases, such as the variations in Cairo Arabic, vowel pronunciation in Paris, and also entire language shifts, like that from Hungarian to German in Austria.



The correlation between gender and linguistic changes has been a topic of study since the 1960s, but the reason why women lead linguistic innovation is still unknown. The theory that women may have greater social awareness, larger social networks, or even a neurobiological advantage might be probable factors that could translate into a greater facility for linguistic disruption.

While it isn't clear why women play a central role in changing language patterns, there is a viable theory as to why men lag behind by a generation. Female voices are not treated with as much reverence as the male tone and cadence, even in today's era - hence the widespread backlash and mockery

of feminine speech trends like up-talk and vocal fry. Men only adapt to these linguistic changes when it is passed down to them by their caretakers - mothers, school teachers, and daycare workers - who are primarily female, while women tend to learn from other women.

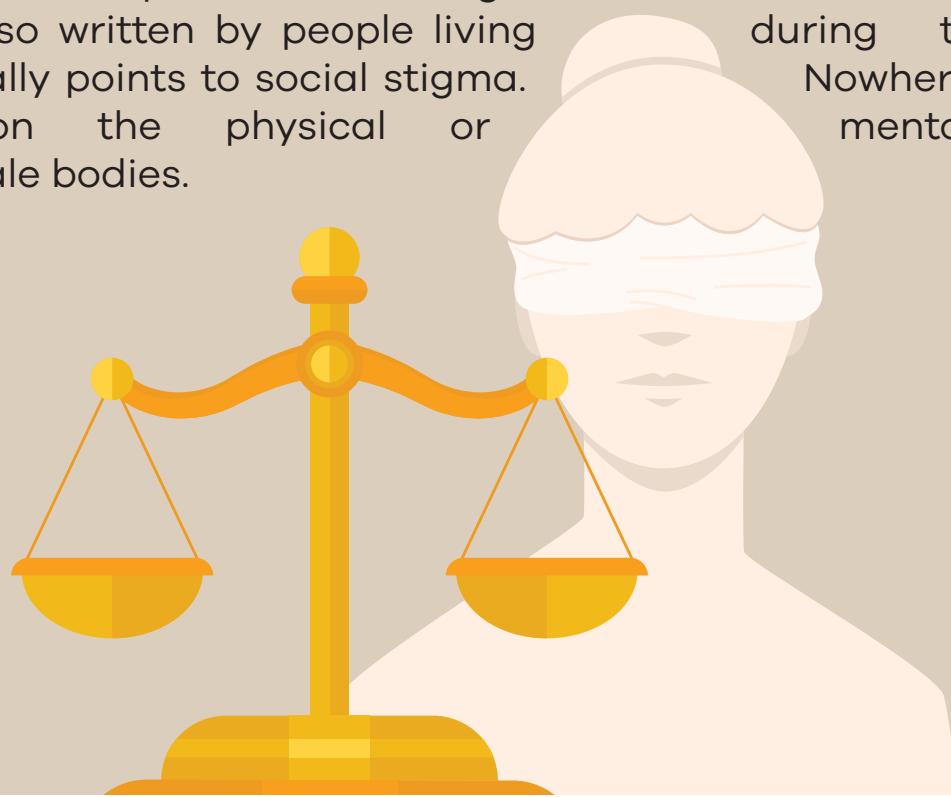
*Nandini Raizada  
Semester 6  
EnTC*



# DECIPHERING THE PATRIARCHAL REASON

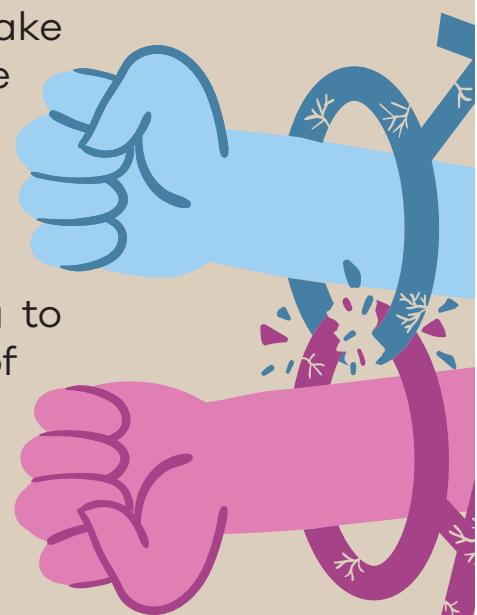
Patriarchy is a social system in which males exert primary predominance over various social and personal roles. It is a type of prejudice against sexes and forms a "socially determined sex" vis a vis Gender. This system has been in play so long that it has penetrated society down to its roots, the result of which is the unknowing and unwilling normalization and internalization of the system universally. Formed usually on the basis of social beliefs, patriarchal justifications have no logical standing whatsoever.

Religious texts of various religions deem women as a sinful species and "fit to be controlled by men." These claims are addressed as 'stated by Gods' and brushed off for any questioning. In any predominantly religious framework, women are thus inherently discriminated against and have no social withstanding of their own. The Bhagavad Geeta quotes instances where religious texts refer to women as 'derivations' of a man and how it is hence the duty of a man to exert dominance over a woman. The point remains that there is no evidence apart from religious anecdotes and texts, which were also written by people living during those times, which practically points to social stigma. Nowhere do these texts mention the physical or mental supremacy of physical male bodies.



Even in the modern-era, where medical science is doing wonders, there still isn't a believable explanation as to why in descriptions of the male and female reproductive processes, the female participants are portrayed as dependent while the male counterparts are portrayed as heroes. Medical knowledge from the time of the Greeks 'assumed' that the naturally perfect body was the male body. This implicates how all the theories of male bodies being the 'all-good' is merely an "assumption" that is set in stone by society!

Well, if logical explanations don't work with patriarchy, it leaves one wondering about the reasons that explain such widespread reach of patriarchal thoughts. Societies were formed on rules and norms set by people that go way back in time. People have followed these very rules to live in harmony while never quite questioning the basis for those rules. The Geeta elucidates how social norms and expectations might make people feel inadequate and incompetent based on the degree to which they might go out of their way to fulfill them. Women are paid substantially less than men working the same jobs, the rationale for which doesn't exist in many parts of the world. Whenever questions are raised, the accountable people have absolutely nothing to say apart from hovering over the 'it is what it is' stance of patriarchy. The mere thought that a woman is unable to decide what she wants to do explains a lot about how much this baseless system is normalized even though people know that there is no justification for it.



No matter the explanation given to sustain patriarchy, there is no evidence yet which can prove that patriarchy isn't a mere social stigma that was set up by men who lived centuries ago. People have been following it without conjecture when in reality, the system makes almost no sense. It is just a circle where one claim is twisted and provided as evidence to another. The amount and types of critiques that can be offered are numerous, but the basis of the questions remains "WHY?" For which there never has nor will there ever be a straight answer.

Shranya Gupta  
Semester 6  
Computer Engineering



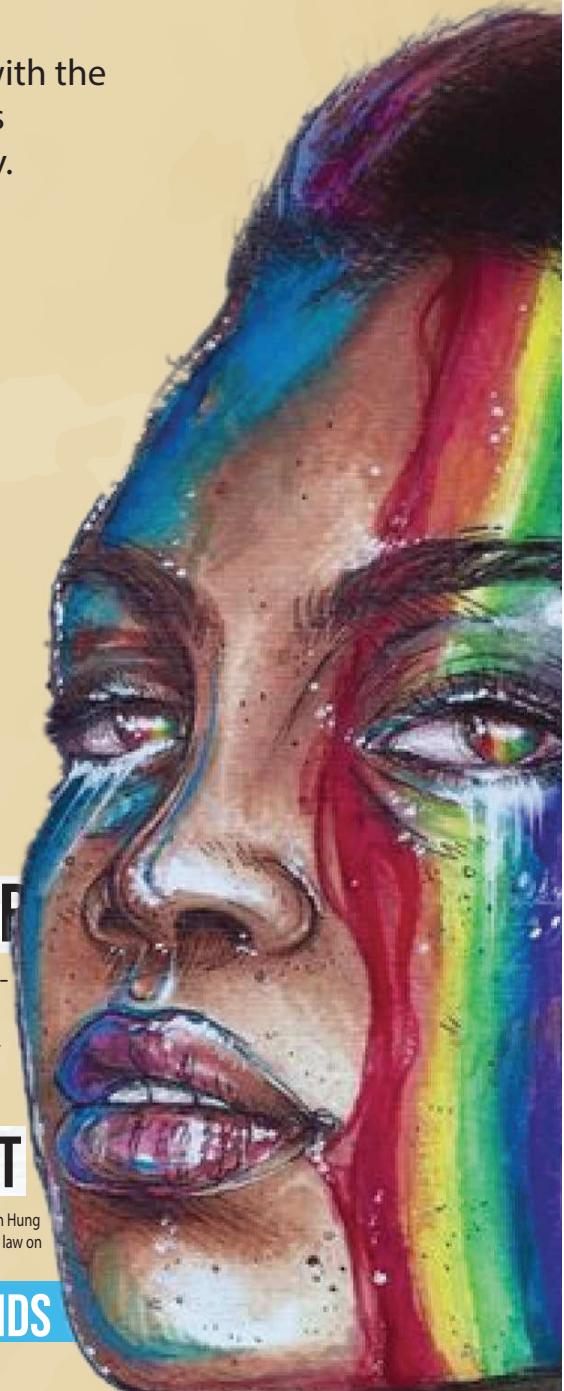
# A FALLACY

The human species is evolving at an unprecedented rate. There are no longer only two genders. In the twenty-first century, the world is open, mindful, and protective of different genders and sexualities. The LGBT population in America is almost doubling every generation as a result of this emancipation.

According to a recent poll, 7.1% of Americans identify as LGBTQ, with the number being double what it was a decade ago. This increase was spurred on by almost 20% of Gen-Z participants identifying as gay.

This raises numerous questions, such as why this is happening.

"I think it's gone too far," said Dr. Erica Anderson, a prominent psychologist. She's come to feel that some children who identify as trans are influenced by their peers and social media. Puberty blockers, also known as hormone blockers, help children delay undesired physical changes that do not correspond to their gender identification. Delaying these changes is an important part of a young person's transition. It also allows your youngster to consider their options before deciding whether or not to transition.



## PARENTS OF TRANS KIDS PLAN TO FLEE THEIR STATE

**'It's not safe!'** Arkansas is the first state in the country to pass a law banning transition care for minors. The measure will bar access to reversible puberty blockers, hormone therapy and gender-affirming surgeries, though surgeries aren't included in global standards of care for transgender minors and aren't performed on them in Arkansas, Hutchinson said during his veto. (Hungary News, April 2019)

## E.U. TAKES HUNGARY TO HIGHEST COURT OVER LGBT AND MEDIA FREEDOM RULES

BRUSSELS — The European Union's executive intensified its legal standoff with Hungary on Friday by taking the country to the E.U.'s highest court over a restrictive law on LGBT issues and media freedom. (Ref. Hungary News, 9 Dec, 2020)

## AMERICANS IDENTIFYING AS LGBTQ MORE THAN EVER, POLL FINDS

Nearly 16 percent of Generation Z, those 18 to 23 in 2020, consider themselves something other than heterosexual, according to a Gallup poll. Of those surveyed who identified as LGBTQ, 54.6 percent identified as bisexual, 24.5 percent as gay, 11.7 percent as lesbians, 11.3 percent as transgender and 3.3 percent said they used another term to describe their identity (i.e. queer or same-gender loving). The total exceeds 100 percent because respondents were able to choose more than one category. (Feb. 24)

## CHERRY GROVE: HOW A BEACH TOWN BECAME A GAY 'SAFE HAVEN'



However, we are aware that children go through numerous stages in their lives and that their preferences, desires, and aspirations change. Puberty blockers also have many disadvantages as they affect bone density, fertility, and the capacity to have an orgasm. It's not simply a personal choice; it's also a medical one.

Taking a puberty blocker is a major step that should be approached with caution. Sexuality is such a broad spectrum that individuals must carefully examine themselves in order to understand it.

For mere likes and validation from social media, one should not pretend to be someone they are not.

Khushi Singh  
Semester 4  
CSBS

**"The benefits are not going to outweigh the dangers of raising our children here in this state. Benefits are not going to be dangers of raising our children here in this state."**

**STRIP SEARCHES, TRAUMA, ISOLATION**

**TRANS MEN ON LIFE BEHIND BARS**

Incarcerated transgender men encounter many of the same issues as their transfeminine peers — including high rates of solitary confinement and sexual assault and denial of gender-affirming care and gender-appropriate clothing. But they also face “unique issues that are separate from what trans women experience,” said Aaron El Sabrout, the advocacy manager of Black and Pink, a non-profit group based in Nebraska that supports LGBTQ people in prison.

**POLICE DEPARTMENTS ACROSS U.S. ARE MANDATING LGBTQ TRAINING**

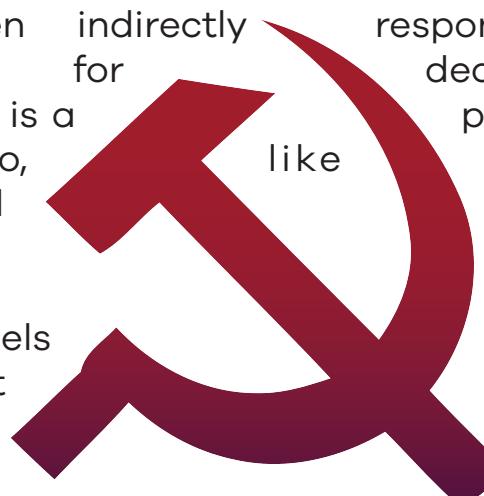
Some departments are doing so voluntarily, while others are being required to do so following lawsuits. (Sept. 25)



# WOULD MARX APPROVE?

Yikes! Wait. Just wait a bit. Don't turn your back on this article after reading the title. Because I'm going to start at the most un-Marxist place possible. With my father. "The father" is quite possibly at the very heart of the bourgeois family institution that Marx loathed. But I don't loathe my father. I enjoy our late-night intellectual debates and discussions. Being an IT professional, he makes it his job to familiarize us, kids, with the many verbiages of his work. A few of the things often thrown around by him are Agile, Lean, and Six-Sigma, mechanisms used for project development and management. Developed in the early 1970s, these techniques derive from the Japanese concept of Kaizen, meaning a gradual, iterative change for the better. This philosophy is considered the key to Japan's competitive success. Corporations around the globe use these techniques to boost production and eliminate wastage. In large part, we have Kaizen to thank for our efficiently chiseled, technology- driven, competition-oriented ecosystem that we call the 21st century.

Thus, Kaizen has been indirectly responsible for the progress of the decades. So far, Marx would not have approved. But Kaizen is a tool or mechanism. And so, included, it can be used different ways.



Karl Marx and Fredrick Engels like a river and that to achieve a higher eventually leading to a would become "Socialist Humans" of a all restrictions and tyranny. Alongside this river, they hypothesized a series of ports, steps, or transitory phases required to reach this utopia, with each successive phase being slightly better than the last. This interpretation of history is called "Historical Materialism", and it sits at the very core of Marxism. Accordingly, the entirety of human history has been leading up to the inevitable socialist utopia. Consequently, Marx advocated for persistent efforts from the proletariat to transition to a socialist society. The methods used to bring about this transition are a part of what Marx and Engels called "Permanent Revolution"- a continuous, relentless change that improves our material conditions. Organize(brainstorm), measure, compare, agitate(innovate), and repeat until a borderless, classless society becomes a reality.



Any Marxist would tell you that Marxism is not just an economic or political philosophy but also seeks to overhaul social traditions, discrimination, and oppression. The social philosophy of Marxism is perhaps where it overlaps the greatest with liberalism. We may not have arrived at a "Socialist Society" just yet, but an analysis of history vindicates the Marxist theory of progressive historicism. The world as it exists today is safer, tolerant, and accepting for a greater number of people when compared to the social and religious prejudices and discrimination of the past. This is why Marx would have approved our progress on this front regardless of his misgivings about the methods.

"Philosophers have only interpreted the world in various ways. The point, however, is to change it." If there is a central theme to the objectives and beliefs of Marxism, it is change and progress. It seeks to transform every aspect of human life from employment to childcare to politics and finance. Our current society, with all of its problems, is still better than the society in which Karl Marx was born. We have gotten better at fighting diseases, we have gotten better at feeding our population, and we have come closer to ending warfare. Marx was not wrong in his interpretation of history; he just envisaged the destination differently. Even Marxist politics could not escape the embrace of change as it evolved into the Social Democracy prevalent in countries like Norway, Finland, Germany, and Denmark. Marxist ideas about the welfare state and progressive taxation have benefitted the capitalist world and helped it evolve for the better, which was basically the point of Historical Materialism. It is in this way that Marxism can be reconciled with Kaizen. Or maybe I'm just writing with the typical bourgeois-liberal optimism which I grew up with, but regardless, if ideologies count for anything in this world, Kaizen has been and should continue to be the rallying cry of the political Left because history does not need anyone's approval, let alone Karl Marx's

*Shubham Pawaskar*  
Semester 8  
CSBS



# MOTHER NATURE

There are 370 million indigenous people around the world, constituting less than five percent of the total human population. Yet, this five percent supports about 80 percent of the global biodiversity.

The Chipko movement was a peaceful, non-violent response to the widespread deforestation in the Garhwal Himalayas. It was initiated by peasant women who were ready to sacrifice their lives to protect the trees. The women of the forest knew that the true value of the woods was not in timber but in the air, water, and food provided by them. This was reflected in their folk songs:

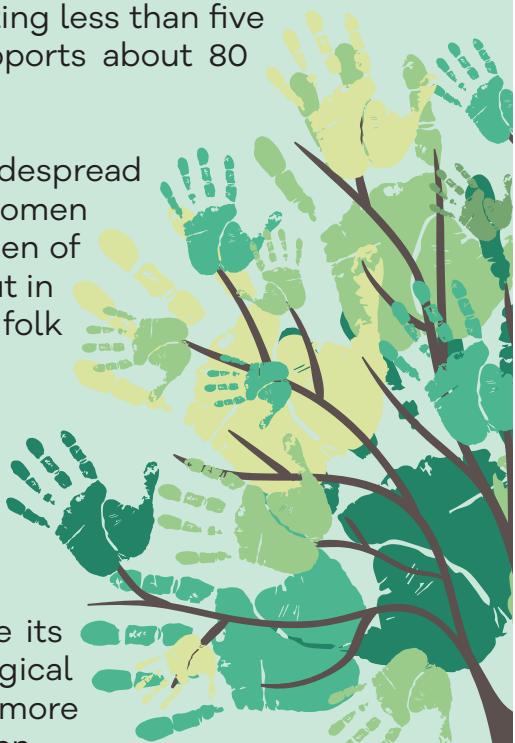
*"These beautiful oaks and rhododendrons,  
They give us cool water.  
Don't cut these trees,  
We have to keep them alive."*

The 1978 Uttarkashi floods forced the Indian government to realize its mistake and amend its misguided policies regarding ecological conservation. The fact that the expenditure on flood relief was much more than the revenue from timber obtained from the fragile Himalayan ecosystem proved that the women were fighting for the right cause.

Every morning some women in the Kodarapalli tribal village in Odisha pick up lathis and head to the forests. They do this not to hunt for food or defend themselves from other humans or wild animals but to protect forests and their resources. The activity called "Thengapalli" translates to "Thenga" meaning sticks, and "Palli" meaning turn. Groups of 4-6 women patrol the boundaries of the forest, working in three shifts, starting at six in the morning up till late hours.

This practice started in the 1970s in the Nayagarh district and slowly spread across other villages. A significant patch of the forest was left barren due to overexploitation by illegal tree-cutting and looting of forest resources. The villagers soon realized there would not be much left and started protecting it. According to the forest estimates from 2005, 1.5 million families protect about 1.17 million hectares of forest land. They have a self-evolved conservation model where tribals have marriages and trade between villages to forge socio-economic bonds.

In the Malkangiri district of Odisha, Bondaghati is home to the Bonda tribes. They are amongst the thirteen particularly vulnerable tribal groups of Odisha, believed to be a part of the first wave of migration out of Africa. For generations, their lives have been interwoven with the forest land they inhabit. However, climate change has affected their subsistence lifestyle. The ever-increasing temperatures and erratic rain patterns as well as the consequent flash floods and landslides play a role in making the land less fertile and impacting the yield.



Bonda women are addressing these issues by resuming the practice of cultivating native millet varieties like ragi, bajra, and many more. These crops are climate-resilient and ensure the community's food and nutritional security. They also assist in surface soil conservation. The result is less erosion and siltation on the Bonda hills.

Women interact intensively with the environment to meet their families' daily needs while most able-bodied men migrate to urban areas as breadwinners. Thus women have to fetch water from a distant waterbody, gather fodder for cattle, and wood for fuel and construction. They are the ones most affected when their immediate surroundings change.



Being diverse, harmonious, and self-sustained were the organizational principles guiding Indian civilization. They had learned this from the forest. The trees tell tales of unconditional love and giving. The dry leaves teach us the law of return- the dead leaves become humus, nourishing the soil. From insects and microorganisms, we learn cooperation, versatility, and symbiosis. The reason for following "Aranya Samskriti" (roughly translated as the culture of the forest) was not primitiveness but a conscious choice.



In the past, the establishment of national parks had completely alienated their indigenous populations. The local knowledge and management of forests for cultural purposes have long been a part of the complex frameworks of these areas. Indigenous people gain knowledge through observation and experience. They embody it in folklore, share it by word of mouth, and pass it down through the generations. This knowledge needs to be recorded, processed, disseminated, and utilized.

Inclusion means not only addressing all people but also including them in the planning processes. We should respect and protect the interests of the rural and indigenous peoples and their territories.

The State must provide appropriate information to the rural and indigenous communities and keep them in the loop regarding decisions about their land. It must also create necessary awareness among the public at large. This will reduce the chances of people stripping the homelands of rural and indigenous people, a step towards saving them from exploitation.



Living with nature is the fundamental principle that guides indigenous lives worldwide. Nature forms the nucleus of indigenous economics. This could serve as an alternative to modern economics that pursues economic goals or development at the cost of nature.

*Shivangi Bansal  
Semester 6  
Electronics and Communications*



# LET'S LOOK UP!

If you're wondering if this article is literally asking you to "look up", I'd say you're close but not quite there. The idea behind the title will be revealed shortly, but until then, I'd like you to look up (search the internet for) the heatwave that has currently (May 2022) engulfed South-Asian countries.

Headlines such as "Unprecedented Heatwave" and "Speculated to kill thousands" won't even make the most worrisome of your search results. This is quite disturbing on a number of different levels, and yes, Climate Change is at the apex of them.

The grim reality is that there is no going back now. Even if there were, we can't just fill an ocean in a couple of hours. This article could have been another of millions that dwell on the ever-screaming numbers on how climate change could be fatal to billions. The deviation though comes in light of the colossal ignorance that this issue has faced despite its gravity.

Peter Kalmus, a climate scientist at NASA's Jet Propulsion Laboratory, is a biological systems and climate change researcher. A routine day would have had him work in his laboratory running the numbers, but he'd decided to act instead of harrowing.

On April 6, 2022, the climate scientist, along with his peers, chained themselves to a doorway of the JP Morgan Chase building in downtown Los Angeles. The idea was to hold the firm accountable for being the front-runner in aiding fossil fuel enterprises with funding. He is recognized as one of over 1,200 scientists across 26 countries who have taken to the streets to protest against the indifference towards this imminent calamity.

Peter Kalmus broke down during his protest saying, "The scientists of the world are being ignored, and it's got to stop. We're going to lose everything. We're not lying, and we're not exaggerating." He wrote, "If everyone could see what I see coming, society would switch into climate emergency mode and end fossil fuels in just a few days." If statements such as these coming from an astrophysicist turned climate activist don't prompt immediate action, what are we really missing?





A similar protest could be witnessed in the capitals of Spain, the USA, and Germany, and for good reason. IPCC reports and NASA's climate change study reveals Carbon Dioxide to be increasing 250 times faster than it naturally should. Yet, the indifference with which the situation is being dealt is borderline condescending.

Now, coming back to why this article is titled "Let's Look Up". In December 2021, 'Don't Look Up', an American sci-fi (debatable) drama starring Leonardo DiCaprio, Jonah Hill, and Jennifer Lawrence, was released on Netflix. It had a similar plot; a young astrophysicist discovering a comet on a collision course with Earth, and like the reality we live in, instead of immediate action, a big chunk of the population continues living in denial.

It wasn't long until the comet was visible in the sky, an inexorable Armageddon. To this, the denialists, including some top government officials, responded by saying, "Don't Look Up", hence the name of the movie and hence my idea for a title. As obvious as it is, their denial didn't really work out for them. The darker side to this, however, is that everyone paid the price.

Let's Look Up is not just an article that finds its place in the pages of a college magazine but a wake-up call, an appeal to the citizens to look at where we're headed. It could be an initiative to aid and expedite our war against climate change, and as much as I would like to see this, it seems too far-fetched.

SETI (Search for Extraterrestrial Intelligence) scientists believe in what we might call The Great Filter. It is said that every intelligent life on a habitable planet goes through a filter that eventually eradicates it. Take a closer look, and you might find Climate Change to be ours. Whether or not this is true, only time will tell, and we're already behind the clock.

Ansh Mehrey,  
Semester 8  
Computer Engineering



# FOR A BETTER YOU.

Improving is evolving. Kaizen is the Japanese philosophy of "continuous change for the better", which inspires to bring about small changes because even these can bring a huge impact. With most people out there trying to survive, the ones who stand out are always the ones who try to strive. And what good is another day if you're no better than the day before?

Improvement can be about anything, it does not have to be about academics, business, or keeping your focus on your "grind". It can be about consuming fresh ideas for the manifestation of new thoughts, reading a book to get a new perspective, spending quality time with your loved ones or yourself, or doing something completely selfless. It could be anything that brings a change in you for the better, and you might notice how that changes the way you perceive things. When you are trying to improve yourself for the first time, the voice in your head stops lying to you. You are self-aware, and you know where you stand. You might give up on this journey in a few months, a few days, or even an hour. But that's all right. You need to stand up again and find your "why," and why did you start in the first place? And if that too seems to be hazy, do it for a better you.

The path to Kaizen does not have to have a specific destination. You don't have to set any concrete goals in your mind. It is instead a philosophy of getting things done. It's about doing things you thought about and ignored. For some, it could be writing a poem, for others, it could be learning how to cook that new dish. You never know what great change you can bring to your life. So, get to and find the answer this question yourself!

*Naman Singh  
Semester 4  
Computer Engineering*



# ॥ हिन्दी ॥

"जो नहीं हो सके पूर्ण-काम  
मैं उनको करता हूँ प्रणाम ।"

बाबा नागार्जुन  
हिन्दी एवं मैथिली कवि



## बाबा नागार्जुन

हिन्दी और मैथिली के अप्रतिम लेखक और कवि थे। अनेक भाषाओं के ज्ञाता तथा प्रगतिशील विचारधारा के साहित्यकार नागार्जुन ने हिन्दी के अतिरिक्त मैथिली संस्कृत एवं बाङ्गला में मौलिक रचनाएँ भी कीं तथा संस्कृत, मैथिली एवं बाङ्गला से अनुवाद कार्य भी किया। साहित्य अकादमी पुरस्कार से सम्मानित नागार्जुन ने मैथिली में यात्री उपनाम से लिखा तथा यह उपनाम उनके मूल नाम वैद्यनाथ मिश्र के साथ मिलकर एकमेक हो गया। नागार्जुन लगभग अड़सठ वर्ष तक रचनाकर्म से जुड़े रहे। कविता, उपन्यास, कहानी, संस्मरण, यात्रा-वृतांत, निबन्ध, बाल-साहित्य -- सभी विधाओं में उन्होंने कलम चलायी। मैथिली एवं संस्कृत के अतिरिक्त बाङ्गला से भी वे जुड़े रहे। बाङ्गला भाषा और साहित्य से नागार्जुन का लगाव शुरू से ही रहा। काशी में रहते हुए उन्होंने अपने छात्र जीवन में बाङ्गला साहित्य को मूल बाङ्गला में पढ़ना शुरू किया।

नागार्जुन के काव्य में अब तक की पूरी भारतीय काव्य-परंपरा ही जीवंत रूप में उपस्थित छेखी जा सकती है। उनका कवि-व्यक्तित्व कालिदास और विद्यापति जैसे कई कालजयी कवियों के रचना-संसार के गहन अवगाहन, बौद्ध एवं मार्क्सवाद जैसे बहुजनोन्मुख दर्शन के व्यावहारिक अनुगमन तथा सबसे बढ़कर अपने समय और परिवेश की समस्याओं, चिन्ताओं एवं संघर्षों से प्रत्यक्ष जुड़ाव तथा लोकसंस्कृति एवं लोकछद्य की गहरी पहचान से निर्मित है।

# लेखक की पुकार

विचार तो करो ज़रा  
ये मेरा विचार है,  
अगर ईमान मर जाए  
तो ये किसकी हार है?

होश में आओ ज़रा  
ये ल़क्ष्मि की पूजार है  
हानि खूब की हो बोलेंगे तभी  
भला ये कैसा व्यवहार है

हे मनुज तू सो रहा है  
मानवता को खो रहा है  
तेरी इस स्वार्थी बुद्धि को  
धिकार है! धिकार है!

किन्तु मैं भी  
अधिक न बोल पाता हूँ  
लेखक जो हूँ  
तो लिख सबको पढ़ाता हूँ

मैं घबराता नहीं जब लिखता हूँ सत्य  
दिखाता हूँ सत्य,  
पहुँचाता हूँ सत्य  
मेरा साहित्य है सत्य  
मेरा लेखन है सत्य  
मेरी कहानियों से लेकर  
मेरी कविताओं में सत्य  
मेरे व्यंगों से लेकर हर छोटे कठाक्ष में सत्य  
मेरी लाणी भी सत्य,  
मेरी अंगिमाएँ भी सत्य  
ये सत्य की स्याही मेरे द्वात में...  
"सत्य"  
तो उससे लिखे मेरे अल्फाज़ भी सत्य

इस सत्य की छाया में  
मेरा ईमान सुरक्षित है  
उससे भी बढ़कर बात तो ये  
मेरा स्वाभिमान सुरक्षित है

दूसरों से लाभ लेना अपना  
और ढेना न एक पल समय भी है  
कहने को हो तुम पढ़े-लिखे और व्यस्त बहुत  
तो क्या इसी को कहते शिक्षित हैं?

ये कैसी तेरी शिक्षा है?  
ये कैसा तेरा प्रताप?  
जो तू मानवता भुला आलिंगन में ले बैठा  
असत्य-अर्धर्म के सारे पाप

हे मनुज तुझे चेताता हूँ  
सुन सठीक उपाय बतलाता हूँ  
बताता हूँ कैसे मन तेरा हल्का होगा  
दृग खोले राह मोक्ष की दिखाता हूँ

जो तू सत्ताधीश हो तो  
विवेक खोना नहीं  
गर रह जाये लांछित तो भी  
हृदय ईर्ष्या में भिगोना नहीं

गलत-सही की पहचान बन  
दीन-हीन का भगवान बन  
तू बन एक मिसाल इस जाति हेतु  
बांध ढे मानव-मानवता के मध्य नवीन सेतु

जैसे आगाज़ किया भैने  
तुम मनुओं को समझाने का  
सत्य की स्याही से लिख  
तुम सब को पढ़ाने का

चुप्पी न धरना कहीं दिखे गलत जो  
तू सत्य की आवाज़ बन  
पुकार ऐसे बुलांद स्वर में  
एक स्वर्णिम काल का आगाज़ बन ॥

आयुष नाथ झा  
सत्र ८  
ECE



# नारी - क्यों है बेचारी

आज दुनिया इतनी आगे परंतु उतना ही पीछे नारी क्यों?  
 कक्षा मैं प्रथम आयी एक नारी कहने के लिए सब पर भारी,  
 पर क्या यह प्रतिवेश में ढेरखने को मिलता है?  
 जब तुम ज्ञान के लिए एक नारी को पूजते हो,  
 शक्ति के लिए एक नारी को पूजते हो,  
 और धन प्राप्ति के लिए एक नारी को पूजते हो,  
 फिर दूसरी तरफ किसी अन्य नारी को संपत्ति समझ कर्यूँ बांध कर रखना चाहते हो?  
 माना बेटी बचाओ-बेटी पढ़ाओ ने बहुत उन्नति की है,  
 पर क्या बेटी को पढ़ाया जा रहा है घर में रखने के लिए  
 या देश की उन्नति के लिए?

क्या उसे हक नहीं कि वह जिंदगी में कुछ बनकर ढिखाए।  
 क्या नारी का एक मात्र सपना एक घर बसाना होता है,  
 क्या एक नारी देश चलाने का सपना नहीं ढेरख सकती?  
 क्यों आदमी का गुस्सा जायज़ और एक औरत का गुस्सा गलत माना जाता है?  
 क्यों एक औरत को सहनशील बनाया जाता है?  
 क्यों उसे कभ बोलना सिरवाया जाता है?  
 क्यों उससे प्रश्न करने का अधिकार छीना जाता है?  
 उसने यह किस तरह के कपड़े पहने हैं?  
 इसका तो रंग थोड़ा ढबा हुआ है।  
 यह थोड़ी मोठी है, तो यह थोड़ी छोठी है।  
 एक नारी ही दूसरी नारी को पीछे धकेलती है,  
 कैसे लड़ूँ मैं दुनिया से जब एक नारी ही नारी को रोकती है।



एक संस्कारी नारी वह है जो सबकी सुने,  
ना कि जो अपनी जिंदगी अपने तरीके से जिये।  
जब सालिंग्री की चतुराई से उसके घर में खाशिया आए,  
तो फिर क्यों सती सालिंग्री वो जो अपने पाँति को परमेश्वर बना  
पाई।

क्या नारी में दुनिया बदलने की क्षमता व शक्ति नहीं?  
अगर है भी तो पर कैसे यह हो,  
जब एक नारी ही दूसरी नारी के पिंजरे की चाली एक पुरुष को हे  
देती है।  
हाँ, हर पुरुष लुरा नहीं होता, पर हमें नहीं पता कौन अच्छा व  
कौन लुरा है।  
जब एक महिला मुसीबत में पढ़ती हैं तो एक आदमी के छारा,  
और उसे बचाता भी एक आदमी है।  
तो क्या हम एक वस्तु बनकर रह चुके हैं?

नारी ना थी कभी भारी, वह हमेशा से थी लाचारी।

यह जान लो आज।

एक नारी की जिंदगी प्रश्नों से भरा होता है,  
उसे हर चीज में रोका जाता है।  
भारत में उद्धारि रुक्ति हुई है क्योंकि,  
80 प्रतिशत महिला घर में रुक्ति हुई है,  
दुनिया में आगे बढ़ना है तो नारी को आगे बढ़ाना पड़ेगा।

लंशिता जैन  
सत्र ८  
CSBS



# एक डिस्कोवरी कॉल

काली-काली जुलफों के पंडे ना डालो, हमें जिंदा रहने दो पु हसन वालों,  
न छेड़ो हमें हम सताए हुए हैं, बहुत ज़रूर सीने पर खाए हुए हैं।

ये हम दोनों का फेवरेट गाना था जिसे हम लोग कहीं भी गाना शुरू कर देते थे। यहाँ हमारे से भतलब मेरा और

वो मेरी ब्रेस्ट फ्रेंड थी नौवीं लास में हम लोग की दोस्ती हुई। वह 5 फुट 4 इंच हाइट, गोरा सा रंग, झल्ली सी जिसके साथ हम किसी भी विषय पर बात करा करते थे। कक्षा 12वीं की बात है जब हमारी दोस्ती को तीन प्रिपरेशन लीव चल रही थी। और हम लोगों ने यह वादा किया था की रखूँ भन लगाकर पढ़ेंगे और पूरे बोर्ड के

इन वर्षों में हम दोनों का रिश्ता कुछ ऐसा हो गया था कि हम लोग बिना कहे पुक ढूसरे की बातों को गलती की थी कि उस ऊपर वाले से मेरा सुकून देरवा ही नहीं गया और उसका फोन आया ही नहीं परंतु लीव के 17वें दिन मैंने हिमात जुटाई और फोन भिलाया फोन की घंटी जैसे ही जाने लगी तो लगा ऐसा होगी परंतु फोन उठा ही नहीं और भी कर्ड दिनों तक भिलाया पर फोन बढ़ दी आया। जिंदगी के इस कम्बरवत दिल का मैं लिखा करूँ कभी समझ ही नहीं आया, उसको भूलाने को तैयार ही नहीं था। बड़ा सब कहा है आगे बढ़ा बोर्ड की परीक्षाएँ हुई अच्छे नंबर आए। इंजीनियरिंग का पुंड्रेस दिया वह यह सब कुछ होते-होते मेरे जन्मदिन भी आ गया, मैं अपने हॉस्टल के कमरे में बैठकर माँ से बात कर मेरे लिए पुक उपहार आया है, कार्ड में लिखा हुआ था

"लिश यू पु वेरी वेरी हैप्पी बर्थडे ठाकुर साहब। उम्मीद है कि आप जैसा बेसब्र इंसान ठीक होगा।"

नीचे छोटे-छोटे अक्षरों में यह भी लिखा था कि "प्टीज ढुँढ़ा नहीं मुझे"। यह पढ़कर मैं चकित रह गया इतना दूर हो गई?

धैर-धरि समय लीता और हर वर्ष मेरे जन्मदिन पर उसका पुक न पुक कार्ड तो जरूर आता ही था। इन कि मैंने अपनी इंजीनियरिंग खत्म किया। परंतु इन सब बातों के गुजरने के 7 साल बाद मेरे 26 वें सिर्फ पुक चिठ्ठी जिसमें पुक नंबर लिखा हुआ था और लिखा था कि कल शाम 5:00 बजे मुझको फोन कर और अगले 24 घंटों का इंतजार ऐसा लग रहा था कि जैसे मुझको 24 घंटे नहीं 24 जन्म व्यतीत करने हो। प्रार्थना की - "कि हे प्रभु, आज मेरी उससे बात करा देना।" शाम के 5:00 बजे मैंने फोन भिलाया, फोन लग दिंग-दिंग, अचानक से फोन उठा, आवाज आई

अगर मैं गलत नहीं हूँ तो यह आप ही हैं ठाकुर साहब?

और यहाँ से हम दोनों के लीच के कुछ सवाल जवाब चलते ही रहे। कुछ देर की बातीत हुई और मैंने उससे बहुत समय से भन में है अगर तुम हजार दो तो मैं तुमसे पूछना चाहूँगा लुरा तो नहीं मानौँगी?

जब तक मैं अपना प्रश्न पूरा करता पीछे से आवाज आई - "मां चलो पापा आ गए।"

यह सुनकर हमारी बिना रुकावट की बातीत में पुक अनचाही सी रुकावट आ गई। ढली आवाज में उसने मुझसे लाय लोला और वह कॉल भी डिस्कोलेट हो गई।

उस कॉल के साथ ही हमारी यह 7 साल लंबी कॉल भी डिस्कोलेट हो गई।

युवराज सिंह सूर्यलंशी

संग्र- ८

इलेक्ट्रीकल डिपार्टमेंट

यशस्वी का।

लड़की थी। वह मेरी पुकमात्र ऐसी दोस्त थी साल पूरे हो चुके थे, बोर्ड परीक्षा के पहले की प्रिपरेशन लीव में बात नहीं करेंगे, पर हमसे सब

समझ लिया करते थे पर मैंने पता नहीं ऐसी क्या ऐसा नहीं है कि मैंने प्रयास नहीं किया। प्रिपरेशन कि बस आल इसके बाद की आवाज यशस्विनी की ही मुकाम पर आकर मेरी उम्मीद ठंड गई पर यह दिल, इस 'जिंदगी किसी के बगैर रुकती नहीं, जिसने भी कहा है भी निकल गया और कॉलेज भिला भी तो डिल्ली में। ही रहा था कि उन्होंने बताया कि लिसी यशस्विनी का

कि आखिर ऐसा क्या हो गया अचानक कि वह मुझसे

कुछ वर्षों में बहुत सारी चीजें मेरी जिंदगी में हुई जैसे जन्मदिन पर उसका कोई कार्ड नहीं आया, आई तो लेना। मानो खुशी का कोई ठिकाना ना रहा हो अगला दिन हुआ नहाया, पजा की, भगवान से ही रहा था और घंटी बज रही थी दिंग-दिंग,

कहा कि, "एक प्रश्न रह गया था



# प्रयास

एक रोज़ चला जो मैं लहरों को घर करने,  
अपनी सारी विपद्धाएं आप ही हरने।

चोटिल, चकित चित हुआ ज़रा लगा जग कोशिश ढेरा मेरी हँसने।

व्यंग लसता कोई, तो कोई कहता किनारे कील ठोक लगा ये नादान क्या करने।

अब कैसे समझाऊ इन्हें कि जब समस्याएं मेरी हैं, तो रास्ते क्यों मैं जाऊं तुम्हारे अपनाने।

खैर तानो से ये नादान था वैसे डरा नहीं कभी,

माना प्रसव्वचित है परेशान ज़रा अभी।

हो सकता है कील ठोक ना थाम पाउ सागर के इस हठ को अभी,

पर प्रयासों की हार ढेरली नहीं किसी ने ऐसा कहते सुना है लुजुरों को सभी।

रावण सा हठ लिए मुरलीधर सा ज्ञान जीत लूंगा इस अर्णव को भी, है तनिक ये अभिमान।

थक कर रुका हुं बस अभी हारा नहीं हूं, जानता हुं आगे डगर नहीं आसान।

मन हो तो कर लौ ज़रा और मेरा अपमान, पर मेरौ लाद किसी को न कहना के क्या करने चला ये नादान।

आदित्य चौधरी

सत्र ८



# गुमाय

कभी-कभी यह रख्याल आता है,  
मेरे माता-पिता ने मेरा नाम रखा ही क्यूँ?  
जब कहीं लिखना ही नहीं था,  
ना इस घर के बाहर मेरा नाम है  
और ना उस घर के बाहर होगा,  
जहाँ मेरा भविष्य में जाना होगा।

जब छोटी थी तो लगा कि  
शायद मेरा नाम लिखना भूल गए  
मेरे भाई के नाम के साथ,  
परंतु यहाँ पर तो नहीं है  
मेरी माँ का भी नाम,  
मेरे पिता के नाम के साथ।

माँ ने बोला, दुनिया का है यही रिवाज़  
नहीं उठाता कोई इसके खिलाफ आवाज़,  
तुम पर होते हुए भी इतना नाज़  
नहीं कर सकते हम नया आगाज़,  
ना जाने कैसा है यह राज़  
क्यों लोगों को है एक नाम से ऐतराज़,  
बोटी, ना हो तुम बेकार में नाराज़।

सवाल यही है कि किस घर को अपना समझूँ?  
या फिर मैं भी रखूँ को पराया समझूँ?

चाहे छ कर आ जाऊँ आसमान  
नहीं मिलता रुपी को वह सम्भान,  
और अगर ढे भी दिया थोड़ा सा मान  
तो जताते हैं, कर लिया बहुत बड़ा एहसान,  
पहले चाहिए मुझे मेरी पहचान  
बाद में ढे ढेना भझे ढेली के नाम।

मेरी आजादी है मेरा अधिकार  
क्यों नहीं करते इसे स्वीकार,  
कब जाएगा लोगों का यह भान्सिक विकार  
किस बात का है यह प्रतिकार,  
क्यों मेरे साथ होता है इतना पक्षपात इस  
प्रकार  
ना जाने कब मिटेगा यह अंधकार।

यही है हकीकत  
रुपी के बोलने से भी,  
लोगों को बहुत है दिलक्षण,  
नहीं रोकते तब  
जब करता है कोई गलत हरकत,  
फिर बाद में आ जाते हैं  
देने मुझे नसीहत।

सवाल यही है कि कब आएगा यह बदलाव?  
या फिर करदू इसे भी नज़र अंदाज़।

अनिशा जैन  
सेमेस्टर ४



# स्वार्थपरता

कभी उसकी जुबानी तो  
कभी इसकी जुबानी हो  
मेरी ज़िन्दगी के किस्से  
यहाँ सबकी कहानी हो

जो नहीं हो पूरी, मेरे किस्से से ढास्ताँ तेरी  
शर्त एक रख मुझसे और जोड़ ले औरों से किस्से  
की इस जहाँ में कम से कम  
मुक़म्मल तेरी कहानी हो,  
मुक़म्मल तेरी कहानी हो।

मुझे चीज़ें राज़ा रखने का शैरख पाले शायद अब एक अरसा बीत चुका था।  
यहाँ तक की जितनी बातें मैं लिख के चीरव लेता हूँ उतनी तो मेरे लबों तक नहीं आ पाती, शायद  
इसीलिए अब जुबां में जंग लग चुकी है और कलम में धार का एउटास होता है।  
ये धार मेरी ज़िन्दगी में आये निरंतर ठोकरों की ढेन है और यही कारण भी है की शब्दों को चुन  
उन्हें बोलने में जुबान भी साथ नहीं दे पाती।  
वो क्या है की हमारे शरीर का जो SYSTEM है वो COORDINATION से चलता है और मेरा  
COORDINATION तो किसी से भी या कहीं से भी  
हाल-फिलहाल सही नहीं चल रहा है।

अब इसका दोष मैं किसको हूँ घर से ढूरी को?  
जहाँ से ढूर रहने को मैं इतनी ज़ेदो़ज़हती करता हूँ।  
या अपनी बचपन को?  
जो की शायद बचपन जैसा था ही नहीं,  
या मेरे SELF-CONFIDENCE को, जो बेवफा चंद कागजों पर बने कुछ NUMBER देख ना जाने  
कितने साल मुझसे ढूर ही रहा, और कभी-कभी तो लगता है अब भी मुझसे उसका LDR ही चल  
रहा है, LDR... LONG DISTANCE RELATIONSHIP,

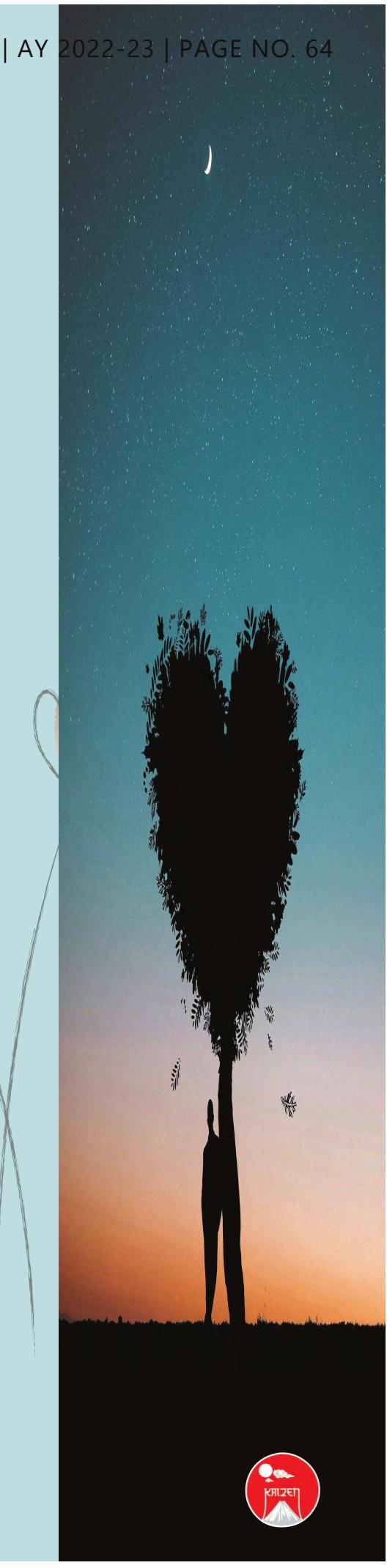
हाँ माना थोड़ा नया-नवेला FANCY सा SHORT FORM है पर अपने "RELATIONSHIP" में जो  
काफी कुछ मैंने सीखा था  
उनमें से ये सबसे पहले सीख गया था, क्युंकि शुरूआत ही ढूरी से हुई पर उसके हर लम्हे में  
मोहब्बत और चाहत बेशुमार थी, हाँ हाल-फिलहाल की बात है जिसके कारण मुझे इस शब्द  
'थी' का इस्तेमाल करना पड़ रहा है।

मैं अपने अंदर के इस शब्दों के सैलाब को नाप उसकी गहराई के हिसाब जितनी स्थानी से भरी  
कलम उठा ये सब कागज़ को बताने ही लाला था की मेरा एक दोस्त आता है और कहता है,  
वया सोच रहे हो? मैंने कहा, "कुछ नहीं।"

इस पर वो कहता है की, "तो सोचो ना, की शाम हो गयी है और तुम इस चारढ़ीवारी में  
PENSTAND में EXIT DOOR का HANDLE ढूँढ़ रहे हो।"  
जनाल उसके लिए शरीर उठाना पड़ता है धर्खाज़े तक जा कर कुण्डी खोलनी पड़ती है, और ये  
जो तुम "THE LOCAL TRAIN" का "CHOO LO" सुनते रहते हो इस गाने के पुल्लम का नाम  
शायद तुम्हारी अभी की हरकतों को देख के ही लिखा गया था, "आलस का पेड़।"

झगिर जाता तो मेरी बेचैनी भरते ढन तक न जाती, यादों के नाम 'AMUSEMENT PARK' की ढो  
टिकट, कुछ तर्खीर, कुछ खत और एक ढुँटे KEYCHAIN की स्माइली। ये हर एक चीज़ मेरी  
ज़िन्दगी के सफ़र में भिले लोगों की थी जब लो सब अच्छे थे, अब भी है पर सब नहीं।

मेरा दोस्त मेरी इस हरकत पर मुझसे फिर एक सलाल करता है,



स बात पर मुझे ज़रा हसी सी आ गयी और अपनी खुद की कोशिश को सफल होता देख उसने भी फिर पूछ ही लिया, "चल चाय पी के आते हैं साथ में कुछ और भी ले लेंगे, अगर तुम्हारा मन करे तो"।

पलौट लॉक कर निकलने से पहले मैंने अपना ढूसरा बॉलेट जेब में रखा क्योंकि पहले वाले में यादें बेशकीयती थीं और वो अगर कहीं "ये तुम्हारा WALLET है... है की नहीं?" तो निकाल क्यों नहीं देते उन चीज़ों को जो तुम्हे तकलीफ देती हैं, अच्छी यादें दें खुश करने के बाद उसके खत्म होने की याद दिला ढम घोंट देती हैं, जब तुम्हारे हँडे हैं की तुम खुद को इस तङ्प से दूर कर सकते हो फिर ये किंश्तों में खुदखुशी क्यों चुनते हो तुम।"

इस बात पर भी मैं बस मुस्कुरा दिया पर बोला कुछ भी नहीं। मैं चुपचाप सीढ़ियां उतरने लगा, पर जैसे-जैसे मैं तीसरी मंज़िल से ज़मीन तक उतरता गया तो ऐसा लगा की इन बातों ने शायद मेरी आँखें खोलनी शुरू कर दी हैं और मेरे अंदर मैं इस जान से जो एक जलजला उठा था वो इन सारे ज्ञान को दो शब्दों में समेट कर अब शांत हो चुका था की ये शरूप्स, ये मेरा दोस्त SELF LOVE की बातें कर रहा है। और मेरा ये DEDICATION उसने अपने अगले वाक्य में व्यंगात्मक रूप से स्पष्ट भी कर दिया, और एक रोष सा था उसकी आवाज़ में।

उसने कहा की, "अगर तुम बीते इश्क़, खुशहाल लभें और वफ़ा जो तुमने कभी चरकी थी, वो प्रेम, वो यारी, वो बैफ़िक्री इन सब को याद कर रहे हो, बिलखते हो, ज़रूर मैं बिरकर उससे एक मह़त तक नहीं ठीक हो पाते और मानते हो की इन सब की बजह अधूरा प्रेम है जो तुम्हारे हिसाब से कभी पूरा था ही नहीं, घर, दोस्त, माशूला, कहीं से भी नहीं तो एक नाम अपना भी उस LIST में ADD कर लो।

वर्षांकित तुमने खुद को तवज्जो देनी छोड़ दी, तुमने खुद को खुश रहने से रोका, तुमने अपनी ही ज़िद के धागे से अपने लबों को सिल दिया और उफ़ तक न की।

तुमने औरों के नाम तो आराम से ले लिए जिनसे तुम दूरवी हो पर अपनी कोशिशों का नाम कहीं भी ढर्ज़ नहीं किया, क्यों, बहुत चालाक हो तुम? नहीं!"

ये हकीकित की बातें मुझ जैसे OVERTHINKER को परेशान तो नहीं कर पायी वर्षांकित शायद मैंने इसके बारे में पहले सोच रखा था।

पर एक बात मेरे पल्ले पड़ चुकी थी की गिरना मेरे हाथ में नहीं था पर मैं उठ खुद से सकता हूँ, और जब इतनी मोहब्बत औरों से की है मैंने तो थोड़ी तो खाद से भी कर सकता हूँ।

पर जो मुझ्हे नहीं पता था वो ये था की मैं अपने इस दोस्त की आवाज़ आखिरी दफ़ा सुन रहा था, AS THAT WAS THE LAST TIME I HAD A VERBAL HALLUCINATION.

नीचे हल्की बरसात के बाद प्यारी सी धूप खिली थी और मुझ अन्धकार के प्रेमी को इस रैशनी से दिलाऊंगी का मन हो रहा था शायद ये पहला संकेत था की मैंने क़दम इस बार सही ओर बढ़ाए हैं।

चाय के ढूकान पर पहुँचा एक चाय देने को कहा, ढूकान वाले ने चाय के साथ सिगरेट भी थमा दी जो मैंने लौप्स कर दी।

इस पर चाय वाले भैया ने सवाल किया की, "क्या हुआ, सब ठीक़?"

मैंने बताया की, "हाँ सब बढ़िया, बस प्यार हुआ है तो अब इन सब की इजाजत नहीं है मुझो।"

वो बोले, "ओहो! किस से दिल लगा लैठे ढाढ़ा?

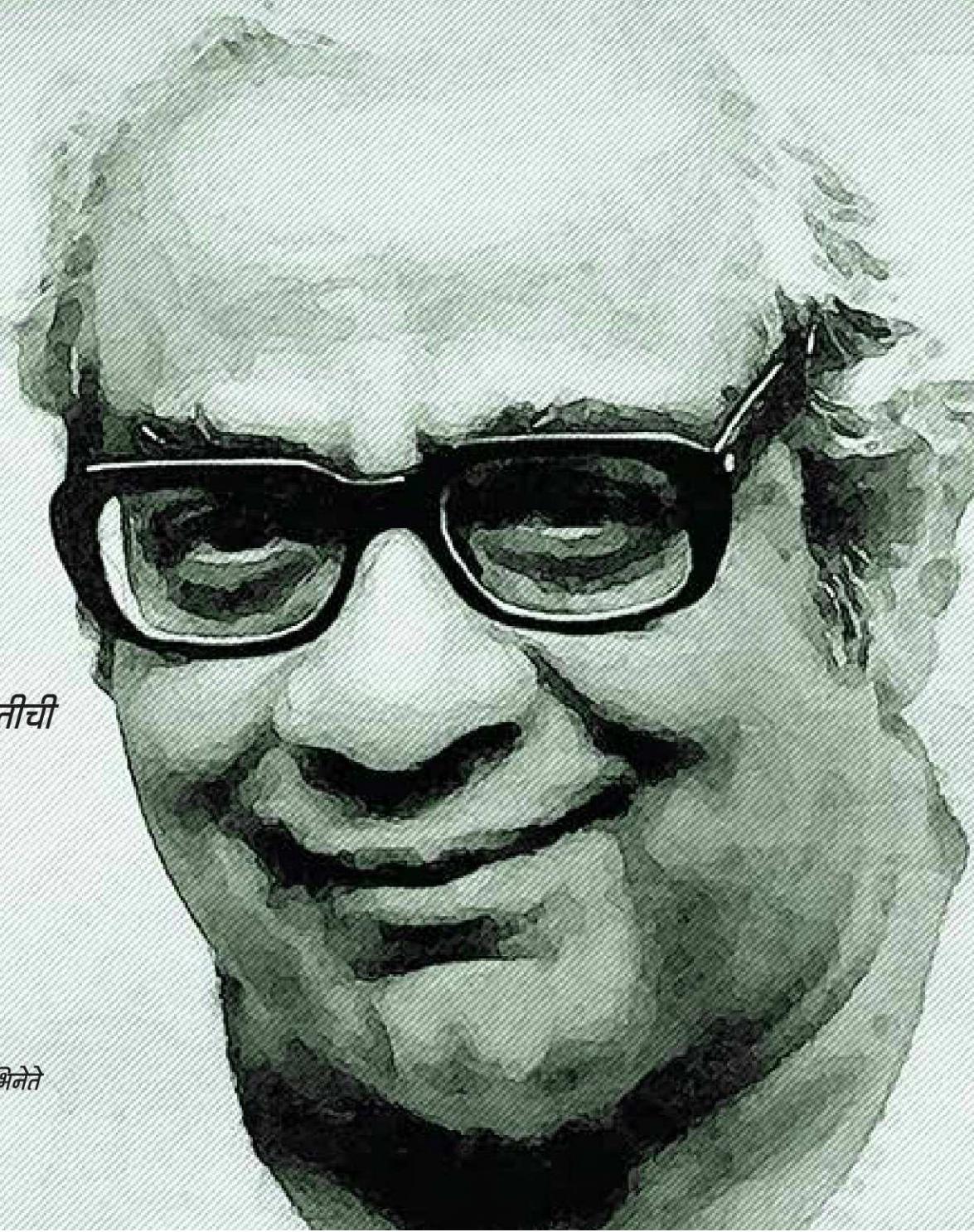
मैंने मुस्कुराते हुए कहा, "खुदसे"।

आयुष नाथ झा

सत्र ८



# मराठी



जुन्यात आपण रंगतो स्मृतीची  
पाने उलटायला बोटांना  
डेखेयातलं पाणी लागतो  
मग त्या स्मृती सुखाच्या  
असोत वा दुष्कर्खाच्या!

पु. ल. देशपांडे

मराठी लेखक, विनोदकाट आणि अभिनेते

## पु. ल. देशपांडे

पु. ल. देशपांडे हे शिक्षक, लेखक, नठ, नक्कलाकार, गायक, नाटककार, कली, पेटीवाढक, संगीत दिग्दर्शक, वक्ते, होते. त्यांनी एकपाची-बहुपाची नाटक, चित्रपट, नभोवाणी, दूरचित्रवाणी अशा सर्व क्षेत्रांत काम केले।

फर्युसन महाविद्यालयामध्ये असताना देशपांडे यांनी चिंतामण कोल्हडकरांच्या 'ललितकलाकृञ्ज'व 'नाट्यनिकेतन' या नाट्यसंस्थांच्या नाटकांतून भूमिका करायला सुरुवात केली. मराठी साहित्य व संगीतातील योगदानाव्यतिरिक्त पु.ल.चे आकाशवाणी, दूरदर्शन, नाट्य व चित्रपट क्षेत्रातील कार्य लक्षणीय आहे. ते उतम संवादिनी वाढक होते, तसेच त्यांनी काही चित्रपटांचे संगीत दिग्दर्शनही केले।

# "बायासाहेब"

आमचा  
अभिभान

पूर असो वा ढुष्काळ, दिस असो व रात  
सदैव जनतेच्या विचारात  
लढले जोमाने महापुराच्या प्रवाहात  
आता ढाल झालेत कोरोनाच्या प्रलयात

आमद्वार ते राज्यमंत्री  
अकरा महिन्यांचा तो कालावधी  
नाही फक्त आशासनांची गर्दी  
काम करायची सोडत नाहीत एकही संधी

कोरोना सारख्या भीषण महामारीत  
जनतेला सुरक्षित राहण्यास क्रूर व्यापक  
ओजनापासून ते सॅनिटायझर पोहचवतायत  
साहेबांचा वंसा समर्थपणे चालवतायत

संकटकाळी स्वतः जातीने हजर त्वरीत  
मढतीला धावून जाणे हीच आमुची रीत  
जनतेच्या भनातील ताईत  
पलूस कडेगाल च्या विकासाला समर्पित

कामासाठी सदैव तत्पर आणि गतिभान  
पलूस कडेगाल चा स्वाभिभान  
म्हणूनच, बायासाहेब आमचा अभिभान  
बायासाहेब आमचा अभिभान

प्रा. गजानन भोळे, आय ठी डिपार्टमेंट



डॉ. विध्वंशीत कडम  
कार्यवाह, भारती विद्यापीठ



# “ स्मितहास्य ”

एक अनुभव :

वर्ष २०१२, मी भारती विद्यापीठाच्या इंजीनियरिंग कॉलेज , पुणे मध्ये MTech करत होतो . रोज कॉलेज सृष्टल्यानंतर दुपारी घरी जाऊन पूऱ्ठा सायंकाळी कॉलेज च्या कॅम्पस मध्ये मित्रांसोबत फिरायला येणे हा नित्यनियम . कॅम्पस मध्ये एन्ड्रॉईडरताना बॅक गेट मधून जायचो (बॅक गेट म्हणजे कॅम्पस च्या मागच्या बाजूचे गेट). बॅक गेट कायम कॉलेज च्या मुला मुलींनी गजबजलोलं. त्यातच तिथे लहान मुले ,आणि एक मध्यम वयाचा मनुष्य आणि त्याची म्हातारां आई दोघेही भीक मागायचे. (अजूनही दिसतात )लहान मुले कधी पैसे तर कधी कॉलेज च्या मुलाकडे खाऊ मागायची, खूप वाईट वाटायचं आणि द्या पण यायची. पण आपण यांच्यासाठी काही करू शकत नाही याच दुःख वाटायचं. हे दृश्य रोजचं झालेलं.

एकदा नेहेमीप्रमाणे कॅम्पस मध्ये जायला निघालो, मित्र गाली गेलेलं त्यामुळे आज मात्र एकठाच निघालो होतो, बॅक गेट ला सायंकाळी एक कुलफी वाला त्याची गाडी लावून थांबलेला असायचा. आज मला पण कुलफी खायची इचछा झाली. रिव्हिंग चैक केला , तर फक्त ५० रु. ची नोट होती. कुलफी किंतीला विचारलं , तो म्हटलं १५ रु. मी एक द्वे म्हटलं , आणि कुलफी आणि उरलेले पैसे घेतले आणि निघालो

तोच एक ७-८ वर्षाचा मुलगा आला आणि मला कुलफी मागू लागला , रोज बघून द्या यायची पण स्वतःहून काही घायच धाडस झालं नाहतं. म्हणून त्याला हातातली कुलफी दिली , तोच कुलफी वाला ओरडला. "साहेब देऊ नका रोजचं आहे हांच , त्रास देणं " पण माझ्यासाठी तो पाहिलाच अनुभव होता. मी असुदे म्हटलं आणि दुसरी कुलफी घेतली , आता माझ्याकडे १० रु राहिले होते .

मी पुढे जाणार तेवढ्यात त्याच मुलाच्या वयाची , फाटके, मळलेले कपडे घातलेली एक मुलगी आली आणि हात पुढे करून भीक मागू लागली, आधीच माझा स्वभाव हळवा , लगेच रिव्हिंशातून २ रु. काढले आणि तिच्या हातात ठेकवले आणि पुढे निघालो पण ती रस्ता सोडेना. मग कळले तिला पण कुलफी हवीय, कुलफी वाला डोळे भोठे करून तिच्याकडे पाहत होता आणि ओरडत होता , पण तिने मला जाऊ ना देण्याचा जणू चंग बांधला होता. मी आहे ती कुलफी तिला दिली आणि रिव्हिंग चैक करू लागलो , आता मात्र रिव्हिंशात १८ रु. होते. पण मला हि कुलफी खाण्याची तीव्र इचछा झालेली, मी पण खूप हट्टी , अजून एक कुलफी घेतली, कुलफी वाला मात्र शून्य नजरेने माझ्याकडे पाहत होता, जणू मनातल्या मनात मला मूर्ख झणत असावा.



माझ्या तोंडाला पाणी सुटलेलं, आता कूलफी घेऊन कॅम्पस मध्ये निवांत बसून आस्वाद घ्यायचा म्हणून मी कूलफी घेऊन बॅक गेठ मधून आत निघालो. बॅक गेठ जरी २० फूट असलं तरी ढोऱ्ही बाजूने फक्त २ फूट जागा आहे जाण्या येण्या साठी. मी एका बाजूने आत जाणार तोच पाय थांबले.

कोणीतरी माझे पाय घट पकडले होते. अंगावर एकाएकी काढा उभा राहिला, काळजात धस्स झालेलं, कारण एक ३-४ वर्षांच्या चिमुकलीने माझे पाय घट पकडले होते, काही बोलता हे येत नव्हतं तिला आणि मला अजिबात पुढे जाऊन ढेत नव्हती. तसा ढकलन जाण्याचा प्रयत्न सुद्धा केला, पण त्या चिमुकलीला ढकलून जायचं मन नाही झालं. खिंशात ३ रु. होते ती ढेण्यासाठी हात पुढे केला तर तिने घेण्यास नकार दिला आणि कूलफी कडे बोठ दारववू लागली. आता मात्र माझी पुरती गम्भत झाली होती, कारण तो कूलफी वाला अजन हिं तसाच माझ्याकडे पाहत होता. आता मात्र अजन एक कूलफी घ्यायला सुद्धा माझ्याकडे पैसे नव्हते आणि मला पण खप इच्छा झाली होती कूलफी खायची.

पण त्या चिमुकलीं ला पाहून कूलफी खायची इच्छा कधीच निघून गेलेली. कारण मी तर माझ्या जिभेचे चोचले पुरवण्यासाठी कूलफी धैतली होती नि ती मुलगी इवल्याशेंया पोठाचे खळगे भरण्यासाठी कूलफी मागत होती.

एका क्षणाचाही विलंब ना करता तिच्या डोक्यावरून हात फिरवला आणि तिसरी कूलफी त्या चिमुकलीच्या हातात टेकवली, तशी त्या मुलीने माझ्याकडे बघत एक स्मितहास्य केलं आणि जोरात पळत सुटली. मी फक्त तिच्याकडे आणि तिच्या त्या हसण्याकडे बघत राहिलो.

आता माझी कूलफी खायची इच्छा कधीच निघून गेली होती, खिंशात राहिलेले ३ रु हातात घेऊन त्या कूलफी वाल्याकडे बघत पुन्हा वरच्या खिंशात ठेऊन दिले आणि ३ कूलफी खाल्याच्या अलिर्भावात तृप्त होऊन, कारवा फुगवून कॅम्पस मध्ये पुंर्दी केली.

देवा बंगला गाडी काही नसले तरी चालेल पण अश्या चिमुकल्यांना २ वेळ च पोटभर भिळावं हीच तुझ्याकडे प्रार्थना.

आम्ही एक माणूस म्हणून वेळ भिळेल तेंद्हा आमचं योगदान देण्याचा प्रयत्न करूनच.

अबूदान श्रेष्ठदान हे का ते तेंद्हा कळले, त्या मुलांचे हास्य बघून हजार कूलफी खाऊन ठेकर दिल्यासारखे वाढले.

अजूनही तो दिवस आठवला तर चेहऱ्यावर एक अळूत स्मितहास्य येऊन गुढगुल्या करून जात.

मित्रानो यातून फक्त एकच सांगणं होत, आपण हि वेळ भिळेल तेंद्हा असा ठेकर देऊन बघाच.

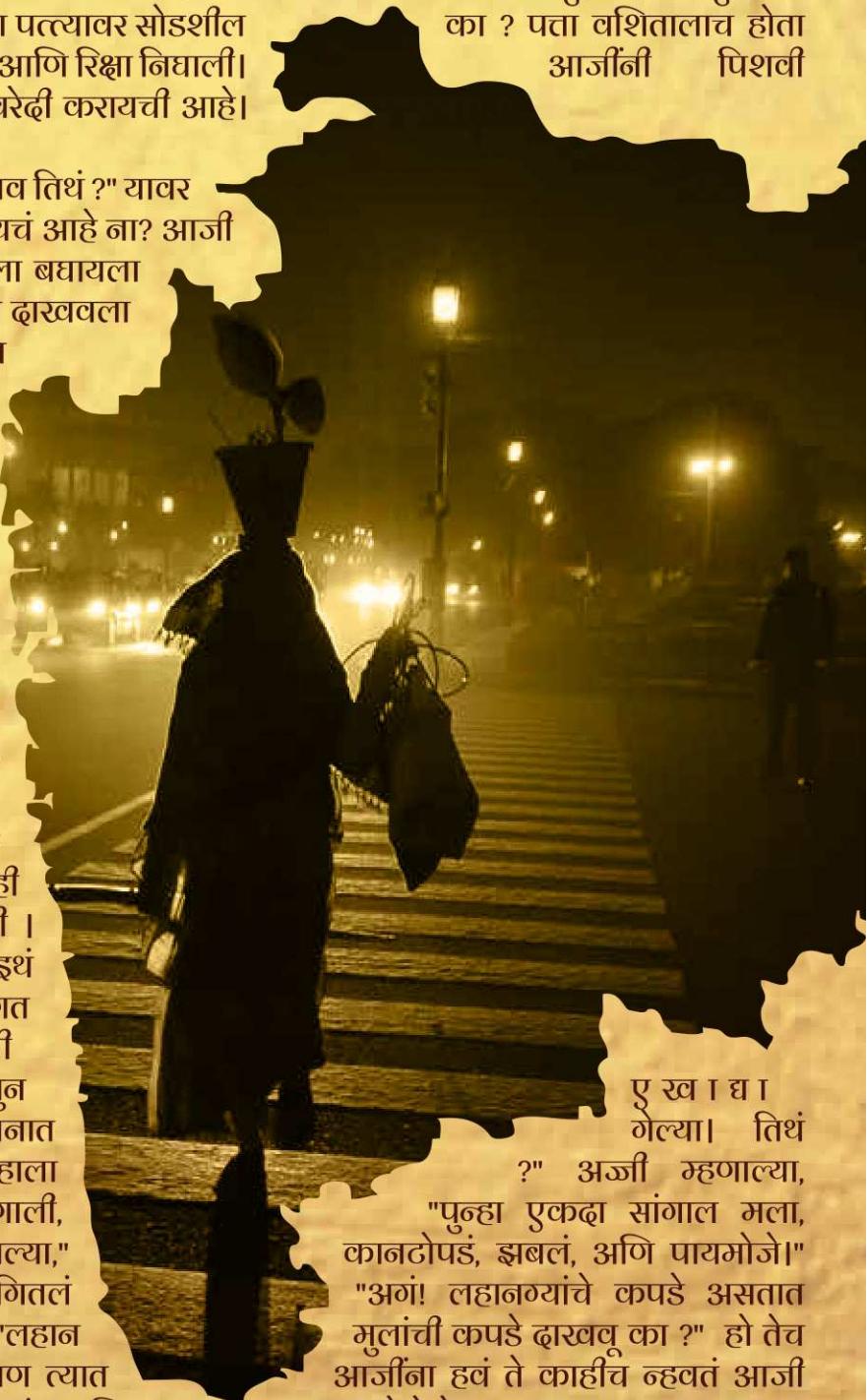
-प्रा. गजानन भोले  
आई.टी विभाग



# स

काळी ढहा ची वेळ होती। एक गाडी लाशी बस स्थानकावर थांबली। गाडी वर पाठी होती सातारा-पुणे-मुंबई। नेहेमी प्रमाणे गजबजलेली गाडी मोकळी झाली। कढाचीत त्या गाडीचा शेवटचा थांबा असाला। गर्दी कमी झाली तशा अगदी साठी ओलांडलेल्या एक आजी त्या गाडीतून बाहेर उतरल्या। वायामनाने थकलेल्या होत्या पण चंगल्या घरातल्या असाव्यात असं ऐकून पोषाऱ्या लर्सन वाटत होत। त्या वर्णाने गो-न्या गोमद्या होत्या आणि गुलाबी रंगाची सुती साडी घातलेली होती। त्यांना झोपेल उवढीच पिशवी त्यांचा जबळ होती। गाडीतून उतरून त्या समोरचा बस स्थानकात जावन बसल्या, पिशवीतीन पाय्याची बाढली काढली, घोटभर पाणी पिल्या आणि त्यांना त्यांचं बठवा दिसला तो उघडताच त्यात दीन हजाराची नोट त्यांना दिसली। ती नोट बघून त्यांना आठवल त्यांच्या मुलाने त्यांना पैसे दिले होते, त्या नोटेकडे बघून त्या हसल्या। आणि उठून उभ्या राहिल्या। व स्त्याकडे चालू लागल्या, त्यांना बघून एक रिक्षावाला थांबला आणि विचारू लागला, कठां जाना हैं आपको? आजी त्याच्याकडे बघायला लागल्या त्यांनं पुढ्हा विचारलं त्यावर त्या म्हणाल्या काय म्हणतोस रं बाबा मला काही कळेना? मग तो म्हणाला, "मी विचारतोय कुठ जाणार तुम्ही?" का? पता वशितालाच होता आजींनी पिशवी

रे इथं कुठ कपड्यांचं ढुकान आहे का जरा तुझी रिक्षा थांबव तिथं?" यावर रिक्षाचालक म्हणाला पण तुम्हाला तर त्या पल्यावर जायचं आहे ना? आजी म्हणाल्या, "हो रे तिथेच जायचं आहे।" मी माझ्या नातीला बघायला जाणार आहे। तिच्यासाठी कपडे घ्यायचे आहेत। तुम्हाला ढारखवला तो पता माझा मुलीच्या घरचाच आहे। तिथंच सोड पण, त्या आधी ढुकानात थांबव। रिक्षाचालकाने मानेने होकार दिला अनु म्हणाला, "मला थांबायला जमायचं नाही तुम्ही ढुसरी रिक्षा बघा।" आजी हो म्हणाल्या रिक्षा थांबली आजी उतरल्या आणि समोरच्या ढुकानात गेल्या। बहुतेक तो ढुकानद्वार हिंदी भाषिक असवा त्याने विचरलं, "क्या चाहिए आपको?" आजींनी विचरलं काय म्हणाला? ढुकानद्वाराला समजलं आजींना हिंदी कळत नाही। तोडक्या मोडक्या मराठीत त्याने विचरलं, "काय पाहिजे?" त्यावर आजी म्हणाल्या, "मला लहान मुलीचे कपडे ढारखवा।" ढुकानद्वार म्हणाला "काय ढारखव?" आजी म्हणाल्या, "कानठोपडं, झबलं, अणि पायमोजे ढारखवा।" ढुकानद्वार प्रश्नार्थक नजरेने आजीकडे बघू लागला त्याला काही कळेना तो म्हणाला ढाढी असं काही इथं मिळतं नाही। झालं... आजीला वाढलं असं काय मागितलं मी की इथं मिळना? बर, ढुसन्या ढुकानात जावून घेवू, असं म्हणत आजी तिथून निघाल्या। पुढची चार ढुकान त्यांनी पालथी घातली पण त्यांना जे पाहिजे होत ते काही मिळेना। अजुन ढुकानात बागव असं मनात म्हणत त्या पुढच्या ढुकानात एक मुलगी होती तिने विचरलं, "आजी काय पाहिजे तुम्हाला" कानठोपडं, झबलं, अणि पायमोजे ढारखवा।" ती म्हणाली, काय पाहिजे! मला काही कळलं नाही? आजी म्हणाल्या, "ती मुलगी म्हणाली, "म्हणजे नवकी काय?" आजींनी सांगितलं ते..." त्या मुलीला तरी समजेना ती मुलगी म्हणाली, "लहान तर म्हणते मी.... ती मुलगी बरच काही घेवून आली पण त्यात थोड्या चिडून बोलल्या, अणं...तुला कानठोपडं, झबलं, अणि



ए खांधा  
गेल्या। तिथं

??" अजी म्हणाल्या,  
"पुढ्हा एकदा सांगाल मला,  
कानठोपडं, झबलं, अणि पायमोजे।"  
"अगं! लहानग्यांचे कपडे असतात  
मुलांची कपडे ढारखवू का?" हो तेच  
आजींना हवं ते काहीच नवतं आजी  
पायमोजे हे

मृहणलं होत। त्यावर ती मुलगी मृहणाली, "ते काही मळिनार नाही इथे, दुसरं काही तरी घ्या।" अंग...असं-कसं? घेवु मला तेच पाहजि। नाही मग नाही मळिणार अस मृहणत त्या मुलीने कपडे लावायला सुरवात केली। त्या मुलीचा पूर्ण गोंधळ उडाला अन् आजीचा पण। आजी बाहेर आल्या चार पाच दुकानात जाऊन थकल्या आणि सिमोर बाकावर बासल्या अन् मनात मृहणाल्या असं का होतयं? या मुंबईत काही मळिं का नाय? आणिघोटभर पाणी प्रयायल्या दुकानात ती मुलगी प्रश्नात होती की आजीना नकळी काय हव होतं? इकडे आजी बाकावर बसून राहलिया। त्या बाकाचा समोरून एक तशितिला तरुण जात असताना त्याच लक्ष त्यांच्याकडे गेलं। त्याला कावरी बावरी झालेली आजीची अवस्था लक्षित आली। त्याने थांबून वचिरलं काय झालं आजी इथे का बसलात? कोणाची वाढ बगताय का? नाही पोरा अरे मी माझा लेकीकडे आली आहे। माझा नातीसाठी कपडे घ्यायची मृहणून बाजारात आले। थंडी वाढते मृहणून मृहणलं पायमोजे, झाबलं, टोपडं घ्यावं बालला, पण चार दुकान पालथी घातली या मुंबईत साधं येवढं मळिं अवघड झालंय बग। आजीचं सगळ ऐकून घेतल्यावर तो तरुण हासला आणि मृहणाला, "आजी तुमची चूक नाही।"

**शून्यात जावून मृहणाला,** "खरं तर चूक आमची आहे।" त्याचा शेवटचा वाक्याचा अर्थ आजीला काही कळला नाही। तो मृहणाला चला आजी मी घेवून ढेतो। तो तरुण त्यांना घेवून दुकानांत गेला। ती मुलगी मृहणाली, "काय दारववू सर," त्या आजूंजी कडे बगून तनी मान फरिवली। तो मृहणाला, "एक लहान मुलीसाठी फ्रॉक, सॉक्स, आणि इंझर कॅप दारवव।" ती मृहणाली, "या आजूंजी तुमचा सोबत आहेत का?" तो तरुण मृहणाला, "हो! ती मुलगी आजूंजी कडे पाहून वचिरलं आजी तुम्हाला फ्रॉक, सॉक्स, आणि इंझर कॅप हली होती तरं असं सांगायचं ना! मगाशी तुम्ही काय मागत होता मला कळलं नाही। तुम्ही नीठ भाषेत सांगतिलं असत तर

असत। तीच्या या वाक्यावर तरुणाने मुलीकडे काहीच बोलला नाही। वय सांगा बालाचं लगेच ढेते। सहा वाढतचं ढेला!" मुलीने आजीला पाहजि होत ते सगळ ढलिं। पावती मृहणाला की कानठोपडं, झाबलं, आणि पायमोजे मृहणजेच इंझर कॅप, फ्रॉक आणि सॉक्स असतात मराठीत.... तुम्ही जऱ्या अरूद्धवठ भाषेला मराठी मृहणता त्यात बूऱ्ये। ती मुलगी प्रश्नात पडली। त्या तरुणाने आजूंजीना नेलं आणि रकिखात बसवलं। रकिखावाल्याला आजीच्या मुलीचा घराचा पत्रा सांगतिला आणि शेवटी आजी मृहणली माफ कर पोरा माझामुळे तुझा लई लेल वायागेला, आणि आभार लई मढत झाली तुझी। तो तरुण हासला। रकिखा गेली, तो मनातल्या मनात आजूंजी ची माफी मागू लागला वचिर कळू लागला.... खरं तर आम्हाला माफ करा आपल्या मराठी भाषेची आम्ही अशी अवस्था केली आहे, हे सगळ आमचा पढिमुळ झालंय। महाराष्ट्राची भाषा मराठी असूनही आज त्यातला चार शब्दांची ओळख कोणाला नाही। आणि त्याचमुळे अस्सल मराठी माणसाची आणि भाषेची ही अवस्था आहे।

आढत्रिय चव्हाण

# अस्सल मराठी



# આઈ

તુઝ્યામુલે હે જગ પાહાયલા મલા મિળાલે  
 હાથ પકડુન સારં જગ તૂ મલા દ્વારખવલે  
 વિશ્વાસાનો જગ જિંકાયલા તચ મલા શિકવલે  
 તુઝ્યાસારર્ખી આઈ મિળુન નેશિબ માઝે ઉઘડલે....

આજારી અસતાંના તૂ કાયમ માઝ્યા જવલ રાહિલીસ  
 નિરોળી રાહાલી મી સેંદ્રા હી પ્રાર્થના પણ તુચ કેલીસ  
 સંકટ આલ્યાવર માઝ્યા સોબત મી તુલા પાહિલે  
 તુઝ્યાસારર્ખી આઈ મિળુન નેશિબ માઝે ઉઘડલે....

સ્વાપ્ન પૂર્ણ કર્યાસાઠી આધાર દ્વિલાસ તૂ  
 આયુષ્યાચા પ્રત્યેક ક્ષણ જગાયલા તૂ શિક્કવિલે  
 તુઝ્યાસારર્ખી આઈ મિળુન નેશિબ માઝે ઉઘડલે....

હુઃખાત તૂ સોબત રાહી  
 સુરવાતીલ સુખ તુઝ્યા પાયી  
 ઢેવા કઢે એકાચ માઘળી  
 સાત જન્મ તૂચ માઝી આઈ  
 સાત જન્મ તૂચ માઝી આઈ॥

આર્થા  
 સેમેરસ્ટર ૨



# बदल हा पांगला आहे

आपले विचार बदला, आयुष्य आपोआप बदलेल....

कोणीतरी म्हटलंव आहे किं आयुष्यात कायमरवर्स्पी काहीच राहत नाही शिवाय बदल...

प्रत्येकाच्या आयुष्यात बदल खूप मोठा आणि महत्वाचा असतो। जर प्रत्येक गोष्ट तशीच राहिली तर रोजचे आयुष्य खूप कंठाळवाण आणि उद्घास होऊन जातं। माणसाचा स्वभाव असा आहे कि त्याला एकच गोष्ट सतत केली कि त्याचा कंठाळा येतो, म्हणून त्याला बदल आवश्यक असतो।

बदलामुळे माणसाची प्रगती होते आणि आयुष्यात पुढे जाण्यासाठी आशा निर्माण होते। जेळ्हा पुरखाद्वा मोठा बदल घडतो तेळ्हा ती एक संधी असते नवीन मार्ग शोधायला आणि नवी सुरुवात करायला। जीवनात अडथळेही आवश्यक आहेत। अडथळे येणे आणि त्यांचा सामना करणे हाही एक बदलच किं! जीवनात जर अडथळे किंवा गतिरोधक नसतील तर आपण अमर्याद्व वेगाने धावायला सुरुवात करू आणि अनेक विविध प्रकारच्या दृष्टिंगांना बळी पडू। धावल्यानंतर थकवा येणं स्वाभाविक आहे। आता विश्रांती घ्यावी असे ठरवणेही गरजेचे आहे। काम करून थकल्यानंतर योग्य वेळी विश्रांती घेणे हा बदल आणि ती घेतली तर आयुष्यभर धावू शकतो आणि जीवनाच्या शर्यतीत खरोखर आगेकूच करू शकतो।

पूर्ली एकमेकांशी संवाद साधायला काहीच साधन नव्हते। मग फोन आले, नंतर भोलाईल फोन आले, आणि मग फेसबुक, वैगैरे सोशल मीडिया आले। या बदलामुळे माणसे काही प्रमाणात एकेमकांशी जोडली गेली। या माध्यमांचा चांगल्या प्रकारे वापर करून काही माणसे खूप वर्षांनी एकत्र आली।

एक साधे उद्घारण सांगायचे तर आपण आपल्या घरात काही वस्तुंच्या जागा बदलल्या, फर्निचरची जागा बदलली तर आपल्याला किंती छान आणि मस्त वाढते। रोज ॲफिसला आपण जी पर्स किंवा बॅग घेऊन जातो ती बदलली कि किंती छान वाढते। म्हणून बदल हवाच।

रोजच्या थकाधकीच्या आयुष्यातून थोडा वेळ काढून आपण फिरायला बाहेर जातो तेळ्हा किंती उल्हसित आणि मस्त वाढते। रोज घरीसुळा आपण वेगवेगळे पदार्थ करतो, आठवड्याच्या शेवटी कधीतरी बाहेर खायला जातो किंवा काही वेगळे पदार्थ बनवतो। हा सुळा एक बदलच आहे किं!!

निसर्गातील बदलाही आपल्याला हवेहवेसे लाटतातच ना!! कडक उळ्हाळ्यानंतर पावसाची आपण आतुरतेने लाठ बघतो। अचानक आलेला पाऊस मनाला आल्हाळद्यायक लाढतो। पावसाळ्यानंतर आपल्याला थंडीची चाहूल लागते आणि नंतर पुढ्हा उळ्हाळा। ऋतूमानातील बदलाप्रमाणे आपण आपल्या रोजच्या जीवनातील बोत आखतो।

सुरुवातीला कुठलाही बदल थोडा कठीण वाढतो पण नंतर तो हवाहवासा वाढतो। बदल हा नेहमी चांगल्या गोष्टीसाठीच करावा हे मात्र नवकी। म्हणून जाणसाच्या स्वभावानुसार आणि विकासाच्या मार्गावर बदल हा हवाच.....बदल चांगला असतो!!!!

श्रेया कुलकर्णी



# जीवनसंब्रान्तम्

सुंदर हा खेळ मांडला ,  
अध्यावरती सोडू नको ,  
हाती पढवी असतांनाही ,  
नोकरीसाठी हात जोडू नको ,

बनन धनसंपतीचा मालक फटा  
स्वाभिमानाचा भिकारी बाबू नको ,  
जीवनाच्या यां संग्रामात तूं ,  
हार कुणापुढे मागूं नको ,

स्वतःसाठी तरं किडेही जगतात ,  
ज्योतीसम ढुसर्यांसाठी जळून बघ,  
यश हाती आल्यानंतरही ,  
साथ घेणाऱ्यांना वळून बघ ,

जिंकला यशाचा गड तरी ,  
स्वतःला राजा म्हणूं नको ,  
जीवनाच्या यां संग्रामात तूं ,  
हार कुणापुढे मागूं नको ॥

सभजू नको कमी कधी ,  
स्वतःला ओळखायला शीक ,  
चिंता नको चिंतन कर ,  
सर्वकाही होईल ठीक ,

अरे वाघासारवा वाघ तूं ,  
शेळीच जगणं जगू नको ,  
तजीवनाच्या यां संग्रामात तूं ,  
हार कुणापुढे मागूं नको ॥

मोडला तरी चालशील परंतु ,  
भ्रष्टाचारासमोर वाळू नको ,  
दिनदिलितांची भाकरी हिसकालून ,  
मिष्ठाबाची चवं चारखू नको ,

असतांना संस्कारांची संपती ,  
नोठांसाठी गुलामी अंगीं बाबू नको ,  
जीवनाच्या यां संग्रामात तूं ,  
हार कुणापुढे मागूं नको ॥

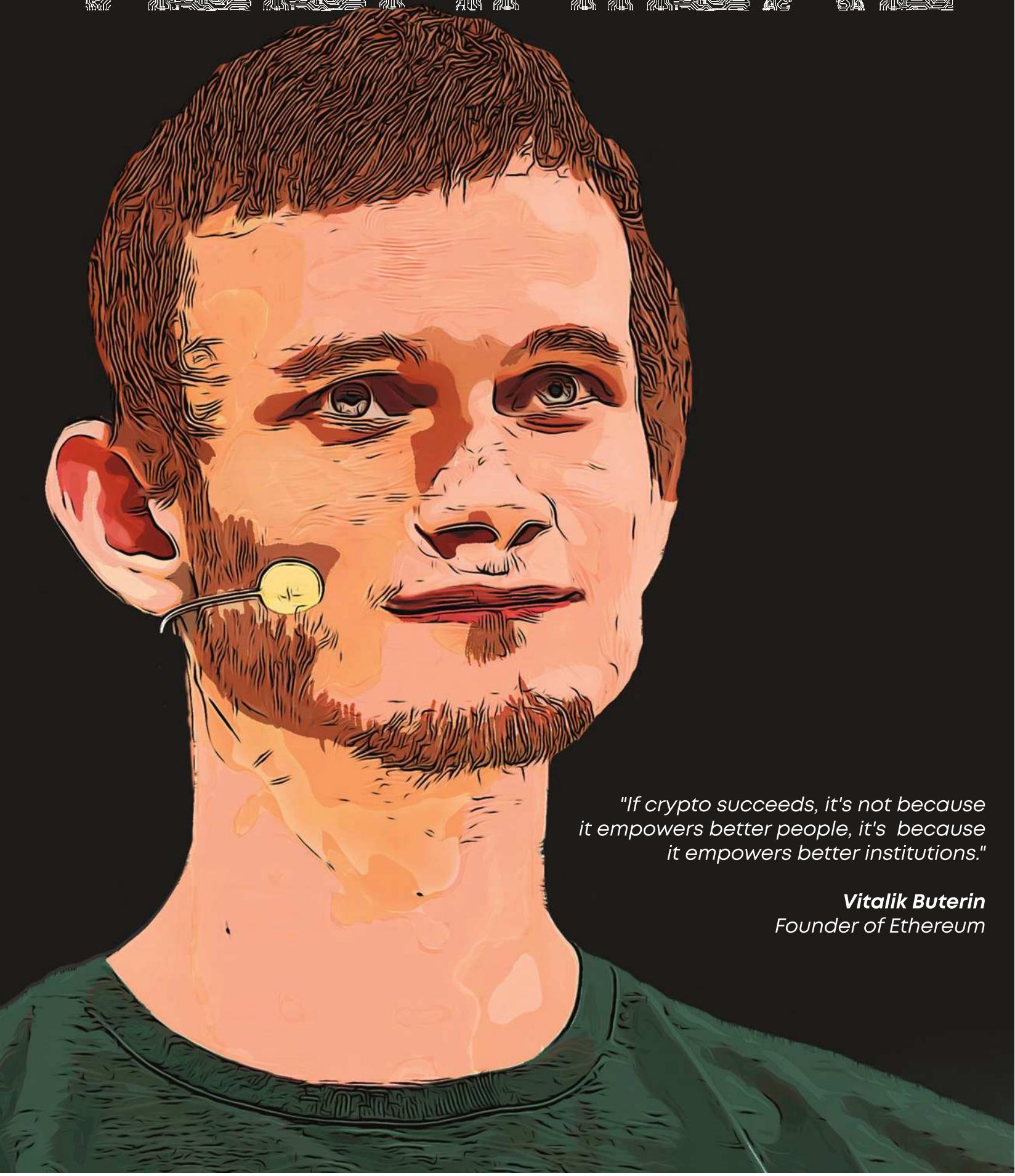
युद्धाच्या या भ्रमीतही  
'जय भवानी'ची गर्जना कर ,  
वाचला नाही तरी चालशील पण ,  
मर्द मराठ्यांसारखं लढूनव मर ,

नाही जमलं जरी थोरं शिवबा व्हायला ,  
कसाब मात्र तूं बाबू नको ,  
जीवनाच्या यां संग्रामात तूं ,  
हार कुणापुढे मागूं नको ॥

प्रा. योगेश मांडके



# TECHNICAL



*"If crypto succeeds, it's not because it empowers better people, it's because it empowers better institutions."*

**Vitalik Buterin**  
Founder of Ethereum

## VITALIK BUTERIN

Vitalik Buterin, also known as Vitaly Dmitrievich Buterin, was born on January 31, 1994, in Kolomna, Russia. He is a computer programmer and a Canadian-Russian citizen. Buterin is best known as the co-creator of Ethereum, which is a blockchain platform designed for decentralized financial applications. He was an early participant in the cryptocurrency community and co-founded Bitcoin Magazine in 2011.

The Ethereum white paper was released in late 2013, which generated interest in the project. In early 2014, Buterin delivered a speech that described Ethereum as a general-purpose global computer operating on a decentralized permissionless network. He also outlined potential uses for the platform.

In May 2021, Ether, Ethereum's native cryptocurrency, first crossed the \$3,000 per coin mark, making Buterin the world's youngest crypto billionaire at age 27.

Buterin has also contributed to other open-source software projects, including DarkWallet by Cody Wilson, Bitcoin Python libraries, and the cryptocurrency marketplace site Egora.



# HACKTOBERFEST

## HACKTOBERFEST 2021: MY EXPERIENCE

Last year I participated in my first ever Hacktoberfest. For those of you who don't know what Hacktoberfest is, let me summarize it for you:

"Hacktoberfest is a month-long celebration of Open-Source Software hosted by Digital Ocean in partnership with GitHub and other companies. What I personally love about it is that it brings developers with the same mindset together from all over the world."

Back in 2020 I had learnt about this event and wasn't so confident in my skills so I didn't participate, and this year I realized it was a huge mistake. The best part of Hacktoberfest is that there's something for everyone. You don't need to be a pro to take part.

### HOW DID I START?

Since this was my first Hacktoberfest ever, I was confused, just like a lot of you readers. I was terrified, to be honest. Will I be able to find a good project? Will I be able to contribute quality code and documentation? But when the event started, I luckily found good repositories (one of which was Appwrite, an official sponsor of Hacktoberfest) and started non-code contributions at first, like improving documentation, writing blog posts, and adding Code of Conduct to repositories. This kickstarted my journey in the Hacktoberfest event.



One challenge I faced was finding good repositories. Many were spammy, only merging Pull Requests (PR) for the sake of a free T-shirt. First time contributors, if you are reading this, steer clear of those repositories. You don't want your PR to be excluded, right?

I reported a lot of spammy repositories, one thing that I'm proud of.

## MY CONTRIBUTIONS:

### ◆ appwrite

Starting off with non-code contributions, I found Appwrite. This was one of the best things that I learned during Hacktoberfest. The concepts, code, and the repository there are so vast that even a beginner can contribute. They have 4 main beginner friendly issues on their repository:

- Writing a blog post to help other developers.
- Making a tutorial on how to use Appwrite.
- Submitting a demo app using Appwrite.
- Translating their documentation to different languages.

I chose to write articles and publish them on Dev.to.

### ◆ Embellish

I have a strong hold on HTML, CSS, and JavaScript fundamentals, which is why I contributed to Embellish. Embellish consists of a collection of creatively designed components and animations that can be added to any website to enhance the User Interface.

I contributed to this repository by making various components using CSS and JavaScript. The satisfaction of knowing that this could benefit developers other than myself drove me. It was fun working on Embellish where I also got to revise my basic skills. Check out that repository if you are a beginner and want to contribute quality code.



## ♦C codedamn

Eventually, I discovered the Codedamn repository. In this, we had to submit a front-end project listed on their website and create a PR. I made a Hulu Clone. It was an enjoyable task and turned out to be amazing!

If you want to learn new skills by making projects, Codedamn is your platform. Be sure to check it out.

## WHAT I LEARNED?

With each contribution I made, it felt rewarding giving back to the community of users of the platforms that I too use. Working on a variety of projects gave me a much welcomed exposure to new development experiences. I had very little knowledge on back-end development and documentation before Hacktoberfest. Here, I broadened my horizons through Appwrite and revised my front-end skills through Embellish and Codedamn.

Most importantly, I realized that contributing to open-source projects isn't as scary as it might seem. The maintainers that I interacted with were friendly and helpful.

Overall, October went great for me thanks to Hacktoberfest - the best event for Open Source contributions. I met new people, made new friends, contributed quality code and documents, and learnt new skills. I will continue to contribute to the projects that I contributed this time while I eagerly wait for next year's Hacktoberfest.

Until then, learn something new, engage with Open Source communities, and expand your network.

*Asmit Malakannawar  
Department: CSBS  
Semester 6*



# NOT FEELING LIKE YOU'RE DOING ENOUGH?

Most of us, if not all, feel as though we're not enough at some point in some context. This article is my point of view. My sole aim by writing it is to start a conversation, and not just be more in touch with our feelings but also to become more sensitive towards others.

Unfortunately, I feel like the presence of so many communities and social media platforms is a huge contributor to this feeling. I'll feel perfectly fine until I see that one tweet/post and although I am happy to read about someone's success, it starts the 'Am I doing enough?' Can I break out of this loop?

Even though I absolutely understand why we feel this way, and it is very tough to think of it in any other way, it is worth considering what and who we're comparing ourselves to. Technology is a relatively vast field.



New products are launched every day; we are making progress in leaps and bounds, and we need to be mindful of that. Keeping up with that and expecting ourselves to know everything is honestly a bit unfair to ourselves.

If we're making some sort of progress every day, and that includes breaks every once in a while (especially when we need one), scrutinizing yourself over trifles is not a good idea.

One little thing I love to remind myself is that someone will always be better than me and I will always be better than someone.

And this is also very contextual; I might be better than someone in one field and that same person may be so much better than me in another.

Talking to loved ones or anyone you are close to helps a lot too! They remind you of the efforts you are putting in and that at the end of the day that's what matters most. It's a great reminder that our career is important, but it is not the only thing that matters.

Now to turn around the perspective a little, when someone confides in us about them feeling this way, most of us reassure them by saying, 'Don't worry you'll get there someday.' Although that's a good thing to hear, I don't think that helps.

Talking from experience, instead of being told that, I would instead love to hear, 'You're doing great right now,

don't compare yourself to them, but, if you do wish to achieve what they did, I'm sure you can and will get there someday.

When someone is feeling low, one 'you're doing great' can go a long way, especially when they trust you with their feelings.

So, in case no one has told you today, I think you're doing great!

I hope this article pushes you to be kinder to yourself and to those around you.

*Deepesha Burse  
Semester 6  
CSBS*





# THE IMPACT OF ELON MUSK ON CRYPTOCURRENCY

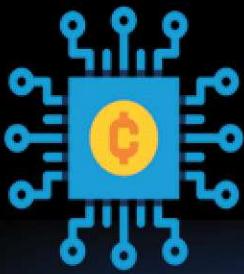
If you think Cristiano Ronaldo causing a \$4 billion dollar loss to Coca-Cola, just by choosing water over the beverage was mind-boggling, you'll lose your mind when you finish reading this article!

Elon Musk needs no introduction, but for some exceptional people out there, I will introduce the man. Elon Musk is a successful entrepreneur and the richest man on the planet. With over 57 million followers on Twitter, the CEO of Tesla, SpaceX and The Boring Company is a very large influence over the business world and social media. Musk has been frequently featured in the headlines since he seems to be shaking the Crypto world with his witty tweets.

The man is highly involved with cryptocurrency and often tweets about it, causing severe impact on the price and trade of the currency. With so many followers on Twitter, Musk always seems to be playing with them using his influence, power and stand to move crypto markets. He uses different techniques to promote certain cryptocurrencies. For instance, in January he changed his Twitter bio to "#bitcoin" and the price increased 20% within a few hours. At this point, it would be a huge understatement to say that Elon Musk's tweets get "a fair amount of attention."

He tweeted about Dogecoin too, which is a crypto (memecoin) based on a meme. It had one of the biggest impacts on the cryptocurrency market. However, it is hard to keep up with how Musk really feels about cryptocurrencies. In the year 2014, Musk mentioned that it was "probably a good thing" referring to cryptocurrencies. A few years later Tesla announced that they had invested in \$1.5 billion worth of Bitcoin. Eventually, Elon also tweeted that Tesla will be accepting payments for their cars in Bitcoin.

Now, it should not be considered a surprise that soon after this announcement, Bitcoin reached its then all-time high price of \$58,000. However, like mentioned earlier, it is difficult to understand how Musk perceives the concept of cryptocurrencies. In April, 2021, Tesla sold 10% of its Bitcoin holdings, causing panic among investors.



Moreover, when Musk sent out a tweet saying Tesla will no longer be accepting payments in Bitcoin, the cryptocurrency inevitably fell to nearly \$30,000. Furthermore, when cryptocurrency was overbought and was expecting a loss, Elon Musk's tweets catalyzed the process and the price fell down drastically. It is now safe to say that whenever the words – tweet, crypto and ELON MUSK are used together, nobody can predict what will happen. One thing, though, is certain; it will happen because of Musk.

These instances showcase how much power Elon Musk holds in the crypto world. He can shoot up or plummet the price of a currency drastically with a mere tweet. Cryptocurrency is not owned or controlled by anyone; it is a community in itself and Elon Musk is the one holding the most power and influence in this community.

Elon Musk also profits from these price shoot ups as Tesla invested \$1.5 billion in Bitcoin. Tesla has since yielded a 60% increase since its initial investment. Many influencers who hold a good amount of social media presence have also started promoting different cryptocurrencies and trying to create hype in order to shoot up the prices. Nonetheless, Musk's tweets manipulate people and without doing any proper research or technical analysis, people religiously follow his tweets.

Anyway, Musk or no Musk, a lot of investors do believe that irrespective of cryptocurrencies' volatile behaviour, they are expected to be a profitable investment in the long run.

*Ishita Tanwar,  
Semester 6  
CSBS*



# HUMANOID ROBOTS.

Humanoid robots are skilled service robots that are designed to act and move like humans. They are shaped like a human body. They add worth, like all service robots, by automating duties in an approach that saves cash and increases productivity. They've long been a fantasy; however, they are finally getting down to becoming commercially viable in different kinds of applications.

## APPLICATIONS OF HUMANOID ROBOTS

At power plants, humanoid robots are employed for inspection, maintenance, and emergency response to relieve human workers of difficult and risky tasks. They will act like astronauts in space. Companionship for the elderly and sick, working as a guide and interacting with customers in the capacity of a receptionist, and possibly even hosting the growth of human transplant organs are all possibilities. A humanoid robot can automate a wide range of jobs, from perilous rescues to solicitous care. The number of ways in which these robots can be used is growing all the time, and as the underlying technology improves, so will the market.



# TYPES OF HUMANOID ROBOTS

## 1. Robotic Avatar

The T-HR3 is a humanoid robot that, sort of a real-world avatar, mimics the actions of its human operator. It was first introduced by Toyota in 2017. The T-HR3 has been upgraded for the Tokyo Olympics and currently has higher controls and can walk like a human. As a quality service, these humanoids are going to be able to perform surgery in the near future while their operators, human doctors, control them from around the world. It can also assist careers by operating remotely as the World Health Organization personnel need help in operating in remote areas.



## 2. Robotic Ambassador

Sophia, a social humanoid built by Hong Kong-based Hanson Robotics, is perhaps the most famous face of humanoids. Since 2016, the AI-powered robot has continued to serve as a robotic ambassador, assisting in the advancement of robotics and human-robot interactions via research. Sophia can move, communicate, express emotions, draw, and sing after being taught by humans.



## 3. Digital Humanoid

Digital humanoids have the looks and behavior of humans. However, they are entirely virtual. These artificial humans are not meant to answer inquiries like Alexa or Siri; however, they show emotions, learn from their experiences, and interact in real conversations. Each neon is computer-generated and not supported by real folks and is contrived for a specific job, like a virtual doctor or a yoga instructor.



## 4. Agile Robot

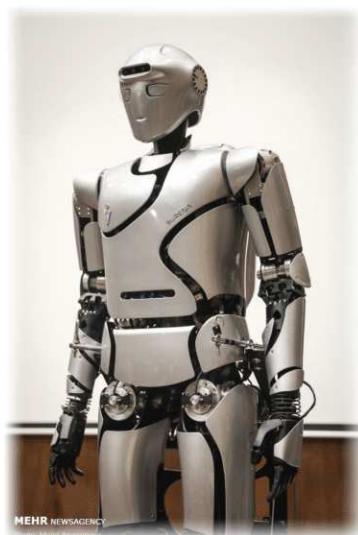
Ford was named as the first customer to use Agility Robotics' Digit in a production setting. The headless humanoid is provided with agile limbs and a slew of sensors. It is capable of navigating stairwells, varied obstacles, and terrains. It can walk on a single foot, however, it prefers to steer upright and is robust enough to select up and stack 40-pound crates. It can additionally fold the crates into small packages for storing.

Ford envisions Digit riding in self-driving automobiles, delivering products to purchasers, fully automating the delivery method. For the present, the business is observant; people, however, have reacted to the current android.



## 5. Research Humanoid Robot

Iranian university of Tehran has developed Surena IV. This avant-garde humanoid is an adult-sized model that can find faces and objects, recognize and generate speech, and walk at a speed of 0.7 kilometers per hour. It has a Degree of Freedom (DoF) of 43, and might grasp a range of shapes with its nimble hands. Engineers utilize Surena to check bipedal locomotion, and the AI to tempt students to pursue technical careers.



-Atharva Kulkarni

Semester 6

*Robotics and Automation*



## IS THE ENERGY CONSUMPTION OF CRYPTOCURRENCY WORTH IT?

Many people are sanguine about cryptocurrencies. Cryptocurrency mining is a very energy-intensive process. Bitcoin uses around 136.38 Terawatt-hours of electricity every year. This is more than the energy consumption of the United Arab Emirates.

Ethereum is estimated to use 112.6 Terawatt-hours of electricity per year. This is more power consumption than several countries like the Philippines or Belgium. The amount of energy consumed by mining will increase over time as prices and user adoption increase.

New blocks on the chain are created through a process called mining. Mining is done by GPUs (Graphics Processing Unit) or ASICs (Application-Specific Integrated Circuit) that solve complex computational math problems. The mining rewards are distributed in the network and miners receive rewards proportionate to the computational power.

Bitcoin uses Proof-of-Work (PoW) to regulate the creation of blocks and the state of the blockchain. Proof-of-Stake (PoS) is an alternative mechanism based on consensus and delegates control of the network to the token owners (nodes).

Estimates suggest that the Bitcoin network is responsible for about 114 million tons of carbon dioxide emission. That is more than the greenhouse emission by the Czech Republic and Qatar combined. It also creates a lot of electronic waste, as mining hardware becomes obsolete quickly. Estimates say these systems generate 37 thousand tons of electronic waste every year.

The amount of energy generated has always lagged behind the needs. We live in a world where 759 million people do not get electricity for their daily needs, and 2.6 billion people do not have access to clean cooking. GPUs that could otherwise be used to solve fundamental problems of nature, advance machine learning, and AI, are squandered on crypto.

The use of GPU in mining has also increased its price and thus made it less accessible for people who need it for real-world applications. We must reconsider using these resources to run these high-risk, unstable currency markets. Is it worth the toll it has on the environment?

“Only when the last tree has been cut down, the last fish been caught, and the last stream poisoned, will we realize that we cannot eat money.”

*-Shivangi Bansal  
Semester 6  
ECE*



# SEARCH ENGINES



You might have come across the term 'Search Engine' a lot. In fact, you probably use search engines on a daily basis to search through loads of data on the internet. A search engine is a piece of software that helps people find information they need online by using keywords or phrases. When you want to search a term online, you start by entering a term in the search engine. The search engine examines the website's title, keywords, content, basically all the meta content and employs algorithms to generate a list of sites

## WHAT ARE VECTOR SEARCH ENGINES?

Traditional search engines are fantastic, but they are limited to keyword matching and cannot capture context. A single word can have multiple meanings; for example, if you search for the word right, there are several meanings associated with it. It can be morally right, the direction, or even human rights. Because the search engine does not understand why you typed that word in the first place, it will return results/sites that contain the word right.



How do we solve this issue? This is where Vector Search Engines come into play. In vector search, the text is encoded in such a way that semantically similar texts are near each other in the vector space, while dissimilar texts are far apart. To encode data sets into meaningful vector representations, vector search employs deep learning models.

In mathematical words, vector search allows us to represent unordered objects in a high-dimensional vector space as vectors. By comparing the distances and similarities between vectors, you can find similar content. In order to search, instead of comparing vectors one by one, i.e., using KNN algorithm, which would take a lot of time to display search results, search engines use ANN algorithm with the help of machine learning models. Many ANN algorithms divide the vector space into groups, assign tags to each group, and search just for the tags assigned to that group. This method improves the query time substantially.

## ADVANTAGES OF VECTOR SEARCH

- **More relevant results:** Because vector search employs vector functions to locate similar content, the user can receive more relevant results. While the result cannot always be accurate, it does display more refined results than traditional search.
- **Error handling:** Because vector search does not rely on keywords directly, it handles a wide range of issues out of the box. Misspelled queries and phrases are not an issue because it tries to return similar results. Long-tail keywords are keyword phrases that receive a small number of searches. They are very specific keywords aimed at a particular audience. Vector search engines can efficiently handle this.
- **Recommender System:** Because vector search produces similar results, it is an excellent recommender system. Based on their searched keywords, users are presented with a plethora of options available on the internet. This also assists businesses in reaching out to more customers and expanding their sales.
- **Easily available trained models:** Many trained models are readily available on the internet, from which we can start implementing vector search engines. To improve the relevancy, more specific models can be trained.
- **Trained models work efficiently:** The collected queries are used to improve and train the underlying model of a vector search engine. As a result, users are presented with more refined and accurate results.



Modern search engines like Google Search, Bing, Yahoo, DuckDuckGo, etc. all use vector search to provide users with the best and most relevant results. All the search results from billions of documents are displayed within milliseconds. Vector search can be used in a variety of applications, including text, multimedia, image, and recommendation searches.

"Vector search basically makes searching a lot more natural and intuitive as you search by the concept rather than by the keywords."

There are a few open-source vector search engines for people to use in their products. Users can further help them improve by contributing back to the vector search project. Some popular standalone vector search services are listed below -



**Weaviate Vector Search Engine**



**Milvus Vector Database**



**Qdrant Neural Search Engine**

If you want to experience vector search's capabilities, you can do it right now. Two best resources I came across are -

**Microsoft's Vector Search:** It allows you to choose or upload any image of your choice and displays similar results.

**Google Lens:** It is a smartphone application that allows you to point to anything, text or object. It then scans the object and displays relevant results.

This was a basic explanation of what a vector search engine is and how it works.

-Asmit Malakannawar  
Semester 6  
CSBS



# INSIGHTS FROM THE INCHARGE

The concept of "Kaizen," or continuous improvement, is central to our approach in organizing Bharatiyam. We strive to improve our planning, execution, and overall experience each year, and this year's fest was a testament to that dedication.

The motto "Dare to Dream" is a perfect fit for our fest, as it encourages our students to reach beyond their comfort zones and explore new horizons. Bharatiyam provides a platform for students to showcase their talents, creativity, and skills, and I am blown away by the level of participation and enthusiasm.

The variety of events and activities that will be offered at the fest is impressive. From music and dance performances to exhibitions and sports competitions for everyone. We will also have workshops and talks by industry experts that aim to inspire our students to pursue their passions and dreams.

I am particularly impressed by the level of collaboration and teamwork among our students. They worked tirelessly to create and execute innovative ideas, and I am sure their hard work and dedication will bear fruits with this year's performances and events.

In conclusion, the Kaizen philosophy of continuous improvement is what drives us to deliver exceptional experiences for our students, and we remain committed to this approach in all that we do. This initiative would not have been possible without the commitment and support of our faculty, staff, and students. I am proud to have been the coordinator of this year's Bharatiyam and I look forward to continuing to improve and innovate for the next year's fest.



**Dr Pramod Jadhav  
Bharatiyam Incharge**

# INSIGHTS FROM THE CO-ORDINATORS



**Dr. Sudhir Kadam**  
**Co-Ordinator Bharatiyam**

I am very excited and proud to see both the college magazine and techno-cultural fest back after so long. It is my immense privilege to be one of the coordinators overseeing Bharatiyam this year. The ingenuity and creativity displayed by students in organizing and planning their events are befitting an engineer. Technology must be the driving force behind progressive change for any industry and country. The philosophy of Kaizen can be seen to be behind every step forward and every innovation, and that eventually leads to lives being changed for the better. On that note, I am especially impressed with the quality of articles and poems in this year's magazine, with a particular emphasis on the separate section for articles on science and technology. It is very encouraging to see that students care about climate change, artificial intelligence, and human rights. I am sure that Bharatiyam will epitomize the same philosophy of Kaizen in all its events and that students will take this forward and go on to further innovations in their respective fields. I wish the Bharatiyam team and the Genre 2023 Editorial Board my very best.

Isaac Asimov once said, "Science can amuse and fascinate us all, but it is engineering that changes the world." As engineers, we have the ability to maximize the implementation of the Kaizen philosophy in our world, and we must make the most of it.

"Kaizen" is derived from a Japanese word meaning continuous improvement. It is especially befitting, considering that our magazine as well as our fest, Bharatiyam, are both being rebooted after four long years of inactivity. The COVID-19 Pandemic brought to us new ways of life and has led to an increasing emphasis on technology. We've had a tough time coping with these changes, but I believe they have improved the state of our institution. The past years have taught us that the world evolves rapidly. We must expect the unexpected. At a time like this, introducing the philosophy of change for the better that Kaizen stands for would help us to cope well.

Our college operates with the motto of social transformation through dynamic education. It is, therefore, a matter of great pleasure that Bharatiyam is finally being conducted again this year. It is a refreshing time for students and teachers alike and is conducive to holistic growth.



**Prof. Gajanan Bhole**  
**Co-Ordinator Bharatiyam**



# INSIGHT FROM THE HEAD OF ART CIRCLE

One of the greatest engineers of all time, Henry Ford, once stated, "There are no big problems - there are just a lot of little problems." When I look at the world from this Kaizen perspective of tackling little problems instead of dreading having to deal with big ones, I am filled with motivation. As a professor, it is this glint of impetus that I wish to see in my students. Having been in the loop with the Editorial Board of Genre 2k23, it brought me immense pleasure to witness their conviction and drive throughout the process of putting together this edition of the college magazine. The theme, Kaizen, introduced a new word into our dictionaries and a new philosophy into our lives. The return of Bharatiyam also epitomised a change for the better. It provided a respite from the gruelling post-pandemic monotony and a platform for students to express themselves artistically, and showcase their technological skills as well. Flipping through the pages of Genre 2k23, I am overwhelmed with a sense of euphoria and pride. The Editorial Board as well as the students and professors who took out time to contribute to the magazine did a great job. I would like to congratulate every single person involved in the making of Genre 2k23.



**Prof. Gauri Rao**  
**Faculty Incharge,**  
**Art Circle**

# INSTITUTE'S INNOVATION COUNCIL

We are glad to share with you all, that Bharati Vidyapeeth (Deemed to be University) College of Engineering (BV(DU)COE) Pune has been selected as one of the Higher Education Institutions(HEI) for launching MHRD's prestigious Institution's Innovation Council (IIC) for the year 2018. This was in no small part thanks to our National Institutional Ranking Framework (NIRF) ranking, National Board of Accreditation (NBA), research publications and the number of PhD faculties.

IIC has propounded a well-defined timeline of the events throughout the year in the form of IIC calendar, and Self-driven and MIC driven activities. During a span of 4 years, IIC of BV(DU)COE has conducted approx. 200 activities (2018-19, 2019-2020, 2020-21, 2021-22).

We are very proud to share with you that the IIC of BV(DU)COE, has secured a position in the top 150 institutions across India in every year with a rating of 3.5 out of 5 for IIC 4.0.

The IIC of BV(DU)COE instills the fuel of innovation and offers proper guidance to students finding their way through innovation and startups. The Flagship events of the IIC- idea competitions have been conducted for presenting and exhibiting Minimum Viable Products (MVP) to promote an innovative mindset for the last three years. In each competition, more than 200 ideas were presented and 600 students participated. Such idea competitions have cultivated and boosted the spirit of innovation among students. The organization of various Workshops, Leadership Talks, Hackathons, Problem Solving & Design Thinking sessions and Field Visits has increased the level of mentoring, inspiration and motivation of students and faculty members across the Institute. Numerous guest lectures and seminars have also been organized in order to give students insights from the industry and ongoing research in the field of Innovation. Likewise, mini challenges and interactive sessions with investors, entrepreneurs and top-notch academicians cultivated an entrepreneurial atmosphere in the college.

*IIC Conveyor, BVDUCOEP : Prof. Sunita Dhotre*



# HEADS OF DEPARTMENTS



Our university emphasizes the interdisciplinary nature of education that is prevalent around the world today. With teamwork and discipline, we have been imparting quality education to our students. This has been possible only because we are open to suggestions and strive for continuous improvement, implementing the Kaizen principle at all levels of the institute. The magazine going from strength to strength over the years is also an example of the Kaizen principle.

-Dr Prakash Chavan  
Chemical



It is a great privilege for me to work with the intuitive students of our college. We constantly believe in improving the system. The relationship between the Management and students is Cordial. I also think that as a society, we were once content with a somewhat mediocre education system, however, times have changed and we are now at the forefront of the top educational standards in some areas and this is all in part due to the implementation of kaizen in education. I hope that these standards and attitudes are aptly reflected in the college magazine!

-Dr Milind Gidde  
Civil





Kaizen is constantly improving. It assumes that there is always room for improvement. You can eventually acquire a higher level of quality if you improve a bit every day. For me, Kaizen is about making improvements that help build a foundation or framework for the future. It's also a great way to get people to participate and create a quality mindset. I've utilised Kaizen to assist with the simplicity of processes. But there is no such thing as simplification. Kaizen can only succeed if it is actively supported by a strategic execution and a determined team, which fosters improvement and encourages all participants to speak their minds.

Change is not easy and the biggest hurdle before change according to me is the psychological barrier, the acceptance of the need for change. Lack of self belief and confidence is a major reason that is creating resistance to change.

I would like to appreciate all the members of the editorial board for putting in so much efforts and wish them the best.

-Dr Sandeep Vanjale  
IT and CS



Changes in our society and academia over the last decade have been profound and wide-ranging. I still remember in the 1980s the only way to resolve our doubts was through the library but now all you need is the internet and you get all your answers. Back in my time, very few people used to go for higher education, but now the situation is changing. Everybody is independent and contributes to society. In the next 5 years, I would love to see our institute produce more job creators, who can use their innovative ideas for startups that will eventually bring about kaizen. Change is not easy but with proper planning and determination, you can achieve it. I hope this year's magazine will throw light on current topics that have led to profound change for betterment in recent times.

-Dr. Bindu Garg  
CSBS and CSE



The only constant in the world is change. In my 30 years of experience, I have seen vast changes in this department as we have kept pace with the advancement of technology. Labs are upgraded by investing in appropriate equipment and software. Facilities are equipped to give students the necessary exposure to experiences on academic and non-academic fronts. An engineer has a huge contribution to society and must anticipate the changes in technology; it is therefore vital that students understand and implement Kaizen in their lives. The college magazine must try to reflect these changes. One must strive to be better and adapt themselves daily to live life to the fullest!

-Dr Arundhati Shinde  
Electronics and Communication





Bharati Vidyapeeth University is one of the best and most promising universities in India. The university is committed to imparting the very best knowledge to its students and engaging them in experiential learning. As the Head of the Department of Electrical Engineering, I believe that the implementation of Kaizen as an innovation to improve the quality of higher education in the 4.0 era is a priority. I wish the Editorial Board the best and hope this year's magazine will be electrifying!

-Dr D.S Bankar  
Electrical and Computer



"Fill the brain with high thoughts, highest ideals, place them day and night before you, and out of that will come great work."

This quote by Swami Vivekananda portrays the vision and attitude students should imbibe. Improvement starts from oneself. Everyday and everything should be a learning experience. My motto for life is positive thinking and continuous improvement. The college believes in social transformation by the philosophy of dynamic education. Continuous improvements on faculty, equipments will lead our college to top 50 NIRF rankings. One should know how to apply emotional intelligence to handle responsible positions and work towards the welfare of society.

-Dr Shruti Oza  
E&TC



Bharati Vidyapeeth Deemed to be University, College of Engineering, Pune has a wide spectrum of technical & professional programs with skill and placement-oriented goals which are fulfilled here with great zeal and passion. We have been promoting our students to implement the Kaizen principle not only in their lives but also in their career. Kaizen is one of the most powerful philosophies behind lean manufacturing. Toyota's approach to manufacturing is a prime example of Kaizen in action. Why is Kaizen of interest to lean manufacturers? "Lean Manufacturing" defines an approach to manufacturing that focuses on eliminating waste and also increasing the emphasis on quality. Hence this will help our students to not only survive but excel in the industry as well.

-Dr. K. B. Sutar  
Mechanical



# STUDENT ASSOCIATIONS





# ACES

(ASSOCIATION OF COMPUTER ENGINEERING STUDENTS)

Association of Computer Engineering students is the official student club of the Computer Engineering Department. ACES is known for its wide variety of events and competitions including technical as well as extra-curricular events throughout the year. Our activities this year included:

**Control+F :** A cryptic hunt event wherein participants used the given questions and hints, coupled with their out-of-the-box thinking skills to reach a final answer.



**Technova :** A gruelling final year project competition held on 21st of May which had over 50+ teams participating and putting forward their innovative project and ideas in front of the jury members.

**Skill Development on Software Engineering :** A guest lecture, headed by Mr. Srijan Srivastava of Tata Consultancy Services, that helped students garner insights into the roots of contemporary innovation within the broader software development services.

**Higher Studies Abroad by Jamboree :** An event conducted by Mr. Rajarshee Banerjee, a BVP alumni working at Jamboree - one of the premier institutes that guide students to study abroad.



# DCSE

(DEPARTMENT OF COMPUTER SCIENCE & BUSINESS SYSTEMS)

The course of B.Tech Computer Science and Business Systems was commenced in 2018 with the view to imbibe students with both technical proficiencies and managerial skills, thereby creating a well-rounded engineer. With their spirits riding high on winds of growth, progress, and ambition, the members of DCSE planned out several exciting events for the students of the department. Among the recent events organized by the department, are:

**Pitch-a-thon :** "To new beginnings!"

The first ever event that DCSE organized was "Pitch-a-thon", an event hosted to test the innovative side of the department students.



**Teachers Day event :** It was a great success as it provided an opportunity for students to express their gratitude towards their mentors and show appreciation for their hard work and dedication.

**Student training program :** Another event that was organized by the department was a 2-day student training program that was attended by more than 160 students.





## ITSA (INFORMATION TECHNOLOGY STUDENTS' ASSOCIATION)

ITSA is an organization formed by the Information Technology Department to inculcate a sense of working in an idea-driven environment in its students. We hosted events wherein we saw the nourishment of students from all four years.

**Scared to compile :** An online and offline coding competition which provided a platform for the students to flaunt their coding skills along with, enhancing their problem-solving ability.

**Nuke town :** An escape from reality, the event had the students take a break from their day-to-day activities by challenging their friends in the virtual world of gaming.

**Takshak :** A platform laid for the young entrepreneurs to pitch their ideas to reality. The students brought in wonderful ideas and were challenged on various aspects of the market.



**Epst:** Following the directive principles of state policy and as the students of engineering we all must work towards engaging others into the domain of Science and Technology

**Azadi ka Amrit Mahotsav:** Remembering the heroes who lived by the same emotion were reincarnated through their stories.



## ECSA (ELECTRONICS AND COMMUNICATION STUDENTS' ASSOCIATION)

ECSA (Electronics and Communications Student Association) comprises students from the Electronics and Communications department of Bharatiya Vidyapeeth's College of Engineering, Pune. This association works to organise various core technical and non-technical events. ECSA has conducted and participated in various events and has organised project exhibitions hence displaying its penchant for the Electronics domain.

**Project Exhibition :** it was a platform given by ECSA for students to showcase their work among all the branches.



**Teacher's Day celebration :** A light, happening and warm programme appreciated by all faculty members.



**Infernos :** This remarkable mega event was conducted in the month of October to promote a more fun and competitive nature in students by sports & games. The members of ECSA conducted the event with dedication and resulted in great success. Several competitions were organised under Inferno such as Box Cricket, Mastermind, Tug of War, Chasing Bits and Valorent.





## ETSA (ELECTRONICS AND TELECOMMUNICATION STUDENTS' ASSOCIATION)

ETSA is the official student body of the Electronics and Telecommunication Department of BV(DU)COEP. We are not only known for our academic technical activities but also for organizing and providing students with the opportunity to participate in extra-curricular activities such as sports, debating, writing, designing and many more.

**Influx:** ETSA hosted its flagship event by the name of Influx from 29 April 2022 to 8 May 2022. The event comprised several well-strategized competitions mainly focused on sports such as Box cricket, volleyball, badminton, chess, kabaddi and non-technical fields like poster presentation and debate.



**Orphanage visit:** ETSA planned a visit to an orphanage on 12th October, 2022 under the guidance of invigorating faculty members Mr. Chetan More, Mrs. Snehal Mane, Mrs. Aarti Sawant



**Tree plantation drive:** ETSA organised a tree plantation activity which aimed at creating an awareness regarding climatic change and its adverse effects on us. This programme was conducted on 27th September, 2022 and commenced at around 10:30 am in Swaminarayan tekdi.



## DCSE (DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING)

The Department of Computer Science and Engineering (CSE) at Bharati Vidyapeeth Deemed University College of Engineering Pune has achieved remarkable success over the past year, and we are proud to share some of our initiatives. Apart from winning various intra college competitions, our department also believes in giving back to society. We conducted a social visit to Janseva Orphanage, where our students spent time with the children and made a positive impact on their lives. Overall, the Department of Computer Science and Engineering has had a successful year, both academically and socially. We are proud of our students' achievements and look forward to continuing our department's legacy of excellence.





## ASEE (ASSOCIATION OF STUDENTS OF ELECTRICAL ENGINEERING)

The department has qualified and experienced faculty in all fields like electrical machines, electrical power systems, power electronics and drives, process control and instrumentation, applied electronics, high voltage engineering etc.

**Escape Lab :** ASEE organized a One day event on 29/03/2022 named 'Escape Lab', where participants had to solve intriguing mathematical questions and puzzles with some hints to find the hidden answers.

**Reboundz :** Annual Basketball event " \*Reboundz" was organized on the 6th and 7th of May 2022.

**Teachers Day :** The event began with prayers to Goddess Saraswati and Lord Ganesha.



**Engineer's Day :** On this day technical events were organized along with motivational speeches by enthusiasts. Social activity event at Taljai Hills. The activity promoted the motto of 'Cleaner and Greener Tomorrow'.A total of 35 students and 07 faculty members took part in the social drive with helping hands to plant almost 2000 + plants. The day was also utilized to clean the area at Taljai Hills.



## RAESA (ROBOTICS & AUTOMATION ENGINEER STUDENTS' ASSOCIATION)

The Robotics and Automation Engineer Students Association ( RAESA ) was started in the year 2021, for the students of the Robotics and Automation branch of BV(DU)COEP. Our objective is to give students an exposure to the real world application of their field, making them competitive enough to participate in different robot making competitions and giving them the chance to showcase their creative skills in all possible ways.

**Innovate To Elevate :** RAESA's first ever event was an insightful and memorable Idea Fest called Innovate To Elevate.

**An Idea To Venture :** An idea to venture is a workshop on Entrepreneurship organised by the Robotics department to help budding entrepreneurs to learn various aspects of market



**Seminar on Raspberry Pi :** In our seminar held in November and conducted by industry experts, students were acquainted with various development boards like Arduino, Raspberry Pi, and Nvidia Jetson.

**Inter-department chess competition :** The students of the Robotics and Automation department are proficient in both technology skills and extra-curriculars. In that spirit we organized an inter-departmental chess.





# MESA (MECHANICAL ENGINEERING STUDENTS' ASSOCIATION)

MESA is the official student club under the Department of Mechanical Engineering. MESA organizes various technical as well as non-technical events throughout the academic year for the overall development of its students. Students who have joined the MESA have enhanced their leadership abilities, event management, teamwork and much more.

The following are the events organized by MESA :

#### **Teachers' Day:**

On the eve of Teachers' Day, an event was organized by MESA. The honorable head of the department of Mechanical Engineering, Dr K B Sutar, shared some of his thoughts about the occasion. Pranav Chukewad of the mechanical department gave a speech.



#### **Engineers' Day:**

On the occasion of Engineers' Day, special guests from the IIW (Indian Institute of Welding) were invited. The guests explained the difference between innovation and invention. The distribution of certificates thereafter took place.

#### **3D Printing Seminar:**

This seminar was arranged by MESA on 3D Printing in the Mechanical Department building.



# IICHE (INDIAN INSTITUTE OF CHEMICAL ENGINEERS)

IICHE stands for Indian Institute of Chemical Engineers. It provides a platform to Indian Chemical & Allied Industry, Academia & Research for continuous education, Professional excellence, networking and attaining global recognition. The IICHE Student Chapter was inaugurated at Bharati Vidyapeeth College of Engineering to imbibe professionalism and to provide training

The department conducted a visit to an orphanage where the students interacted with the residents and was a social activity which laid down the social drawbacks of the society. The main objective of this activity was to acknowledge and give career guidance to the children for a better and bright future with a vision to help and advice .



The industrial visit was an activity conducted recently where the students were taken for a visit at lavender laboratories(Kurkumbh) knowing the importance of working and understanding the process apart from the academics.

The department had conducted a cleanliness drive at Taljai hills in which the students actively participated. The need for a clean environment is the need of the hour. Whilst the drive ,the significance of a clean and safe environment was highlighted.





## CESA (CIVIL ENGINEERING STUDENTS' ASSOCIATION)

At CESA, our primary objective is to promote academic and professional development, networking opportunities, and social events for our members. We are committed to collaborating with other student associations and professional organizations to further our objectives and goals and provide networking opportunities and expose members to different perspectives and experiences.

**Teachers Day:** The Teachers' Day celebration organized by the Civil Engineering Students Association (CESA) left a lasting impression on everyone in attendance.

**Seminar - Abroad Study For Engineers:** CESA recently organized a highly informative seminar in collaboration with Jamboree Education, a leading education consultancy firm.



**Tree Plantation:** A tree plantation drive in collaboration with our esteemed Principal Ma'am. The event aimed to promote environmental sustainability and create awareness about the need for conservation. The CESA team had meticulously planned the drive, ensuring the availability of all the necessary resources like saplings, tools, and equipment.



# JOINT SECRETARIES



RAJ PRAKASH  
ART CIRCLE



TEJAS PAWAR  
CHEMICAL



AKASH PATIL  
CIVIL



MOHIT RAJ  
COMPUTER



PRAYAG KIRAD  
CSBS



ADITYA CHAVAN  
ELECTRICAL



ANAND RAJ  
ELECTRONICS



ANIKET NAWALE  
E&TC



DIVYANSH SHUKLA  
IT



CHANDNI NAMBIAR  
MECHANICAL



ATHARVA KULKARNI  
R&A



MUKUL SHARMA  
CSE

# TECHNICAL CLUBS



# ENTREPRENEURSHIP DEVELOPMENT CELL



Entrepreneurship  
Development Cell  
BV(DU)COEP

In this face-paced world, some great ideas are crushed down, forgotten, or left behind. As budding entrepreneurs and techies, we at the EDC strive to turn these great ideas into reality and help creative minds get the experience and confidence required to start a new initiative.

The Entrepreneurship Development Cell of Bharati Vidyapeeth (Deemed to be University) College of Engineering, Pune is a student run non-profit organization that was established on September 27, 2013 with the vision to bridge the gap between Industry and Academia while incubating an entrepreneurial culture within our institution.

EDC's prime rationale is to invest its time and resources to help create a more promising environment for start-ups with everyone working towards the refinement of their professional skills. EDC BV(DU)COEP was founded on the principles of innovation, ideation, and perseverance.

We see a future wherein most new jobs are created by start-ups with a modern perspective toward technology. The primary aim of this E-Cell is to foster college students to unlock their innovative potential to cultivate an entrepreneurial mindset.

EDC incorporates the following domains: Corporate Relations, Marketing, Public Relations, Human Resources, Training & Endorsements, Project Management, Research & Publication, Media & Outreach, Dossier Support, Technical & Innovation, Brand Communication, Visual Communication and Creativity.

## Startup Internship Placement Programme (SIPP)

We invited over 50 companies to recruit students from our institute thereby providing a conducive hand for keen and industrious students to take a step closer to their goal. This was a huge success with 700+ registrations and 150+ interviews which added a great impact to their resumes.



## MY START-UP STORY

This seminar consisted of a speaker session in which we hosted renowned entrepreneurs who spoke to us about the world of Start-Ups and the obstacles they faced in their entrepreneurial journey.

## Humans of Business (HoB)

Humans of Business is a podcast that features the lives of various eminent personalities that we interviewed such as Anil Swaroop, Jason Palmer, Ankur Sethi, and Zev Siegl.



# BLOTIC



BLOTIC BVP is one of the newest and most tech-savvy clubs in our college. We are open to all techies who want to explore Web3 and build their future in Blockchain. Blotic aims to create a sensation around Web3 and blockchain by pushing students to innovate with their erudite brains and get acquainted with this futuristic technology.

## Our vision

To create a Web3 buzz amongst all students for their overall development and growth seeing the future opportunities. Blockchain is an emerging technology and having a web3 cell in our college not only promotes technical opportunities but also helps students in getting hands-on work experience in this field. We want students to embrace the Web3 revolution and hope to drive India to the forefront of this revolution. We conduct various exciting and innovative events throughout the year.

## Our events

Blockchain Beyond Borders-Tedx speaker, Raj Kapoor founder of India Blockchain Alliance delivered a talk on emerging technologies and innovation for web3 for the future generation.

## Flow Hackathon

A flow hackathon meetup under girlscript foundation was arranged where participants were made to develop innovative solutions to real world problems.



# MOZILLA



Mozilla Campus Club BV(DU)COEP is a division of the Mozilla India community which organizes workshops, events, and seminars for people all over India about the latest technology.

The main motive of our club is to provide guidance and mentorship to students and tech enthusiasts so that they can apply their skills in the real world. The Mozilla Campus Club BV(DU)COEP also contributes to open source organizations and platforms for the betterment of society. We conducted a workshop on "Competitive Programming" in which students were introduced to different competitive coding platforms like Codechef, leetcode and codeforces. We also conducted various online workshops on various topics like machine learning and open-source development in the past year.



# GDSC



The Google Developer Students Club of Bharati Vidyapeeth(Deemed to be University) College of Engineering, Pune, is an officially recognized campus community focusing on the growth and development of technical skills amongst students.

In the past, we have organized hackathons, study jams, informative webinars, and career guidance sessions. Some of our key events include Google Cloud Program, Android Study Jams, HacktoberFest, Flutter Festival, Google Solution Challenge, and Explore ML.



Our webinars and career guiding sessions have included top professionals from Google, Amazon, Microsoft, Walmart, and other top companies, as well as the founder of one of the best startups in the industry.



# CLIXZY



Photography is much more than just having a camera and taking pictures. A Newly formed club, CLIXZY, is the Photography and cinematic crew of BV(DU)COEP who knows what makes a photograph "good". We not only focus on capturing the best moments of our life at college rather but also provide a platform to enthusiasts to showcase their talent and hone their skills by learning from the vast experience of our skillful team. During our short interval of three months working we have covered the Alumni Shoot of our college and made videos portraying the wonders of the campus. We are looking forward to engaging and connecting with even more people in the future.

CLIXZY is the first and only official cell of BVDUCOEP which works ON-Camera. Future prospect in Clixzy is that we are working with amateurs and transforming them into photography majors by conducting workshops and equipping them with skills in domains like photography, cinematography, video editing and a lot more. And with this strategy we can assure that a day will come when Clixzy will be the synonym of photography. We have set in motion a cycle which will help many yet to come. And as they say-WE HAVE NOWHERE TO GO BUT UP.

Clixzy plays a very vital role in the college as photography is all about capturing the moment. We showcase the best of our work by capturing all the moments very keenly and precisely. Being the "official photography cell" of the college we hold utmost dignity in enhancing and showcasing our talents in all sorts of official shoots and events.

Clixzy from day one has started its work with full throttle. First of all we started off with an Alumni shoot where we covered the meet of all the successful alumni. Following this shoot we organised a fun event 'MURDER MYSTERY' which was mainly based for freshers to get friendly with seniors and college campus. We also conducted shoots of all the department with their respective HODs, to let all the students become familiar with their faculty and institute's base.



# HALL OF FAME



**Anant Dubey**

All India Inter-University Boxing Championship  
From College of Engineering.

**Aniket Nawale, Arnav Pawar, Sumit Yadav,  
Kishan Raj, Prankur Dubey & Ankush Singh.**

Volleyball Winners (Inter Bharati)





**Ronah Siddhart ,Satyam Suresh, Rutuj Mestry, Rohan Siddharth & Kamal.**

**Table Tennis Winners**

**Srishti Rana, Nehal Parash & Anushka Singh**

**Table Tennis Runner-Ups**



**The Table Tennis Team**

**Tanu, Anisha, Shravanti, Ishita & Shivangi**

Girls Winner team in Chess.

**Adeeb, Divyanshu, Yash, Suyash & Anoop**

Boys Winner team in Chess.



**Yash Verma, Rajeev Ranjan, Anaswar Nair, Nikhil Kumar Singh, Hritik patil, Jatindra Singh Chouhan, Rishit Belani, Ashutosh Paul, Rajnish singh, Aakash Bhatia, Koushal Kumar jha, Om Patil, Aryan Bile, Vashu Tiwari, Wangnao Wangnaolim, Ashutosh Tonpe, Syed Talha & Divyansh Gupta.**

First Runner's Up in Inter Bharati Football Tournament.

**Divyansh Gupta, Syed Talah (Captain), Shubham Raut, Ashutosh Paul, Aryan Bile, Naman Singh & Vaibhav Duggal.**

VF Football Tournament Runner-Ups.  
Divyansh won the Golden Glove for most saves in the tournament.



# ART CIRCLE



# THE LITERARY COUNCIL



The Literary Council - a place where thoughts meet words to weave the most exquisite of expressions, a place where literature comes alive when we speak, deepens when we write and is embodied in the work we do. We're a team of talented writers, speakers, and designers cultivating a passion for dialogue, designing, creative writing, elocution, and many more interests in the realms of speaking and writing. We offer students a platform to discover themselves and provide opportunities for literature enthusiasts to showcase their talent.

## Verses

July 2021 saw poets from all across the country invoke the muses in the race to be crowned "The Royal Bard" in our poetry slam- Verses.

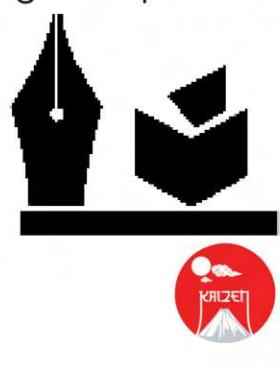
## Cosmos

Organized during World Space Week in October 2021, the creative, space-themed stories of all Astro-philes achieved lift-off in our story-writing event- "Cosmos". The force was strong in this one!

## Soul Spill

Our latest event was a bilingual open mic named "Soul Spill", held in April 2022.

"The Holy Grail of Years" 2021- 2022 saw success on an unprecedented scale. In a vindication of our persistent efforts, we were successful in winning Spotlight- Investigative Journalism at IIT Bombay Mood Indigo for the 2nd year in a row. This resulted in us securing the 3rd position in the Journalism and Communication Genre at Mood Indigo 2021. This was compounded by victories at speaking, writing, and even designing events at BMCC Astitva and BMCC Troika. The pièce de résistance however, was when one of our council members qualified for the semi-finals of Steller of the Year, a national-level storytelling competition organized by Tape-a-Tale.



# RHAPSODY



The Dramatics Society of BV(DU)COEP, Rhapsody, is one of the oldest and well-renowned societies of the college. We aim to foster social and intellectual growth among students through Street Theater. Rhapsody is known for its out-of-the-box ideas and a perfect place for bold voices, artistic minds, and the will to change attitude. We're not only famous for our acting but also for composing various music tracks for our plays with the use of diverse instruments like Harmonium and Djembe. Rhapsody has been the

training ground for actors like Prakhar Singh who has been spotted in many short films and Marathi films. We actively participate in inter-college and national festivals such as Mood Indigo at IIT Bombay, Springfest at IIT Kharagpur, and Antaragni at IIT Kanpur, bringing honors to the college each time.

**Rhapsodians, also known as 'Laal kurte waale,' always leave an impact on the stage with their performance and ideology, bringing laurels to the college.**

- Organized events "Meraki" and "Izhaar" to keep the spirit of dramatics high during the pandemic.
- **WINNER OF "MYJA21"**  
Won first position in Rapping at online event "MYJA21" conducted by Lady Irwin College in Delhi.
- Member of the team secured a position on the winners' list in mono-acting at the IT BHU-Mimicit 21 event.
- **WINNER AT IIT-KHARAGPUR**  
Won Springfest eliminations organized by IIT Kharagpur at the end of 2021.
- **WINNER AT SYMBIOSIS LAW SCHOOL**  
Started academic year 2022 with a victory in SYMBHAV 22, as the winning team at Symbiosis Law School Pune.
- **WINNER AT MIT-WPU**  
Won first position in street play competitions at Aarohan 22, the fest of MIT WPU.
- **WINNER AT IIT-INDORE**  
Won first position in street play at a National Competition at Fluxus 23, the fest of IIT Indore.



# RAQS



Team Raqs is the official dance team of BV(DU)COEP. Team Raqs doesn't just focus on one dance form but is proficient in many dance forms ranging from classical to indo-western, western and bollywood. Till now we have won many competitions in all categories i.e. solo, duet and group.

Our team participates at various college and national level competitions and has added many feathers to its cap over time in various competitions such as:

**Youth Fest(Bvp)**  
**Bjmc Festival**  
**Symbhav (Symbiosis University)**  
**Mood Indigo (Iit Bombay)**  
**Springfest (Iit Kharagpur)**  
**Unmaad (Iim Bangalore)**

**Team Raqs won the First Prize in group dance competition (FEET ON FIRE) which was held in IMED on 8th May 2022.**



# MALHAAR



The official music club of BV(DU)COEP, focuses on promoting self-discipline, creativity, reliability, and flexibility. Our music swims through one's cerebral cortex like a wakeful dream, the notes relaxing you, enabling the song to call your entire being. We believe that music is the best medicine.

The hills are alive with the sound of music!

At MALHAAR we aim to engage musically talented/experienced students in club's activities, to maintain the progress in their musical skills throughout the academic years, and to bring the theoretical knowledge obtained in music courses into practice. Our team participates in various college and national level competitions and has added many feathers to its cap over time in various competitions such as:

**Bjmc Festival**  
**Youth Fest (Bvp)**  
**Sympulse (Symbiosis University)**  
**Mood Indigo (Iit Bombay)**  
**Springfest (Iit Kharagpur)**  
**Bandish- Unmaad (IIM Bangalore)**



# MALANG



## Malang- "Bring out the Kalakaar in you.."

We imagine we observe, we create, we learn, we grow. We nurture and harness the creative and artistic young minds of BVUCOEP. We mentor our peers; we learn from each other. We are a family with strong roots and new buds waiting to bloom. We are Malang. Malang is for every eye, every mind, and every heart that wishes to fly with their creativity over the limitless white sheet-like sky.

### With new beginnings come new thoughts and new inspirations.

Blessed by our seniors, we performed a Live Speed Paint at the Alumni Meet - 2022. We participated in various creative competitions in the fields of poster making, painting, photography, sketching, etc. In our recent feats, we won the 3rd rank in the Painting Competition at SPARDHA 2022, VAMNICOM. These small feats help us grow and nurture our bonds. These bonds are weaved together with every interaction, like photo-walk, workshops, junior camps, and many more artistic journeys.

We define our pallets as our vision and the artwork as our imagination. We, at Malang, inspire and encourage our peers to bloom the "kalakaar" in themselves, capture the moments and paint the world with their colors.



# VAAQIF



We have been the official rock band Of BVDUCE for over 10 years!

We have one of the best founders, Kaustubh Dhavale who went on to become the lead guitarist of India's first indie rock band "Agnee". Continuing in the footsteps of our founder, we have displayed our work at various colleges and national level competitions where our instrumentalists and vocalists have got special mentions and awards for their skills.

The motive of Vaaqif is to let our members have a free hand for their creativity. We know that the best artists shine when given a free range and the right mentoring. As artists go, we know that a free mind is a creative mind and that is what we want, an environment where artists can be free.

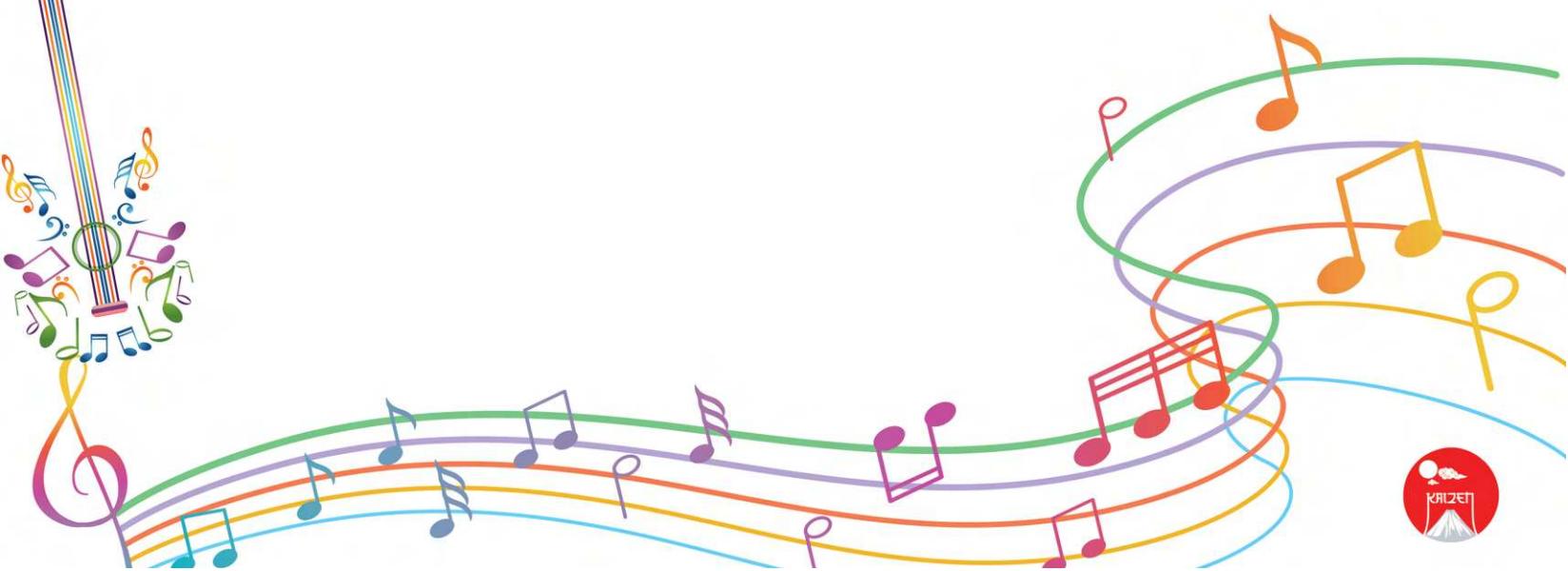
Competitions:

**BJMC Festival**

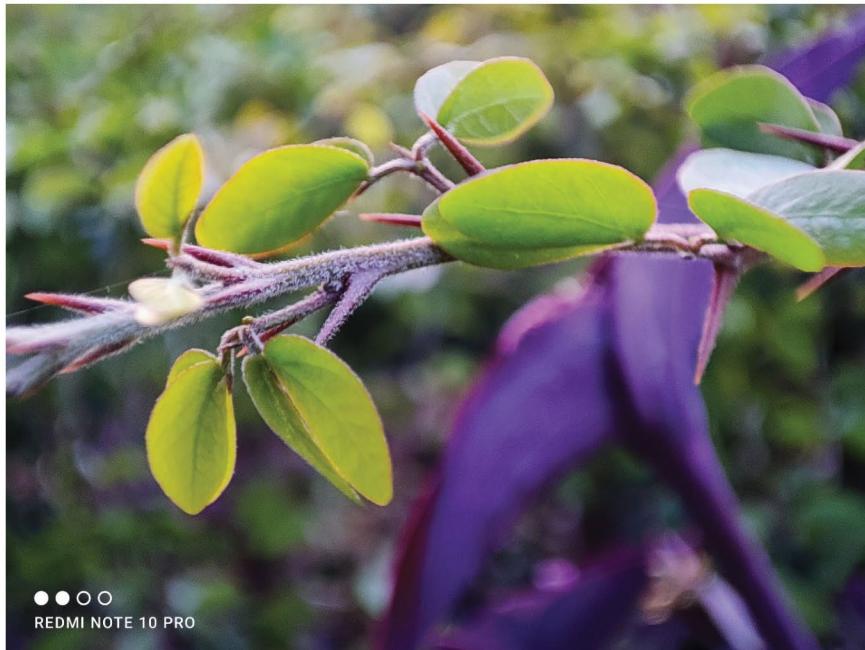
**YOUTH FEST (BVP)**

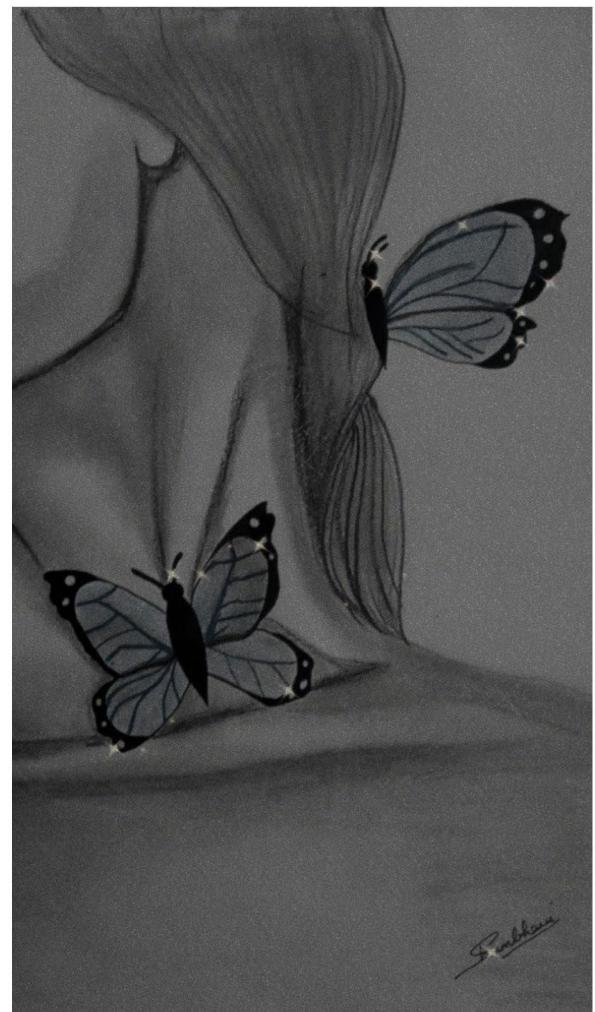
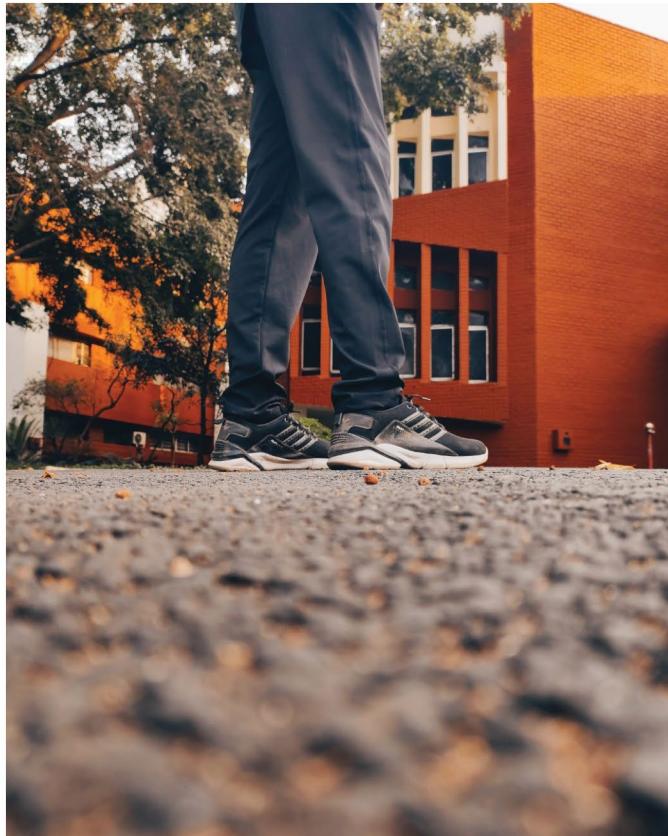
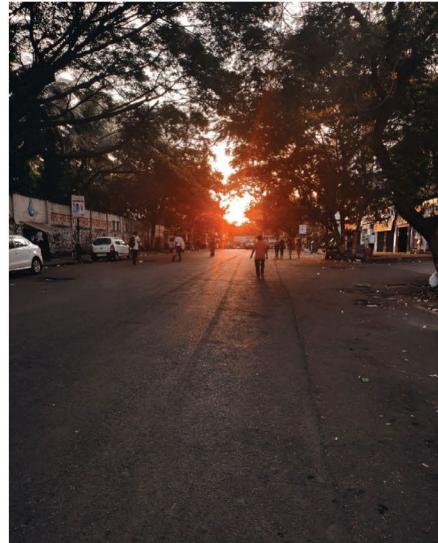
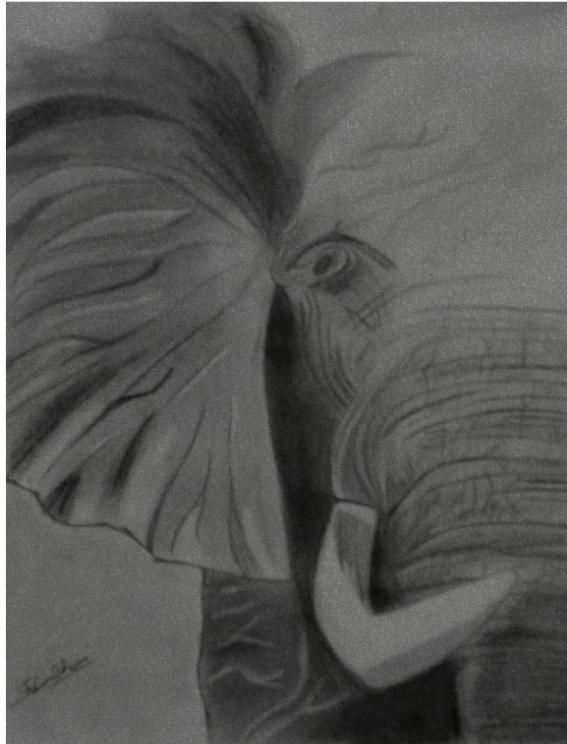
**SYMPULSE**

**War of Bands IMED Kothrud**



# ART CIRCLE GALLERY







**S.G GROUP  
OF BUSINESS**  
Where Unity Lives

# LETS GROW TOGETHER

**OFFICIAL  
DISTRIBUTOR**

**Oxyrich**  
Manikchand®



YOUR WATER PARTNER  
NO MATTER WHERE YOU ARE!

M: +91 7424999696  
E: info@sggroupofbusiness.in  
Mohan Nagar Corner, Chandrangan Square  
Office Number 4, Aambegaon Pathar Pune-46



## S G TOURS & TRAVELS

Join your cab with us  
and earn monthly  
**1 lac to 1.25 lac**

\*T&C Apply

## S G TRANSPORTS

S G Movers & Packers  
makes moving easy

### Services

Residential  
Long Distance  
Commercial  
Rental Truck  
Rental Car

[www.sggroupofbusiness.in](http://www.sggroupofbusiness.in)



**POONA EXCELLENCE**  
MULTICUISINE RESTAURANT

