

Potential

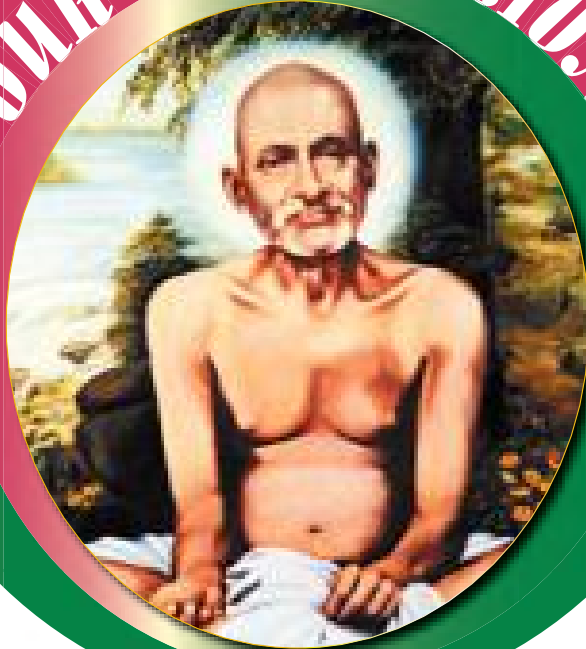
2019-20



P. R. POTE PATIL EDU. & WELF. TRUST'S,
GROUP OF INSTITUTIONS, COLLEGE OF ENGINEERING
& MANAGEMENT, AMRAVATI



OUR INSPIRATION



OUR GUIDING SPIRIT



VISION...

- To flourish as a centre of excellence for producing the skilled technocrats and committed human beings.

MISSION

- To create conducive environment for teaching and learning.
- To impart quality education through demanding academic programs.
- To enhance career opportunities by exposure to industries and recent technologies.
- To develop professionals with strong ethics and human values for the betterment of society.

I would like to communicate the message of "What Can I Give Mission" to the members P. R. Pote Patil Educational Institutions, Amravati (MS) for their annual magazine which is very important for involving India as an economically developed nation by 2020. Apart from making significant progress in all directions, we have to overcome the challenges like corruption, moral turpitude and environmental degradation in the nation. These are evils which need to be defeated by the goodness of the youth. Where do such evils arise from? It arises from the never ending greed of what can I take? The fight for corruption free ethical society and good environment will have to be fought against this greed and replace "What Can I take? to the spirit of What Can I Give? The spirit of What Can I Give", will not only be our strength in overcoming moral degradation, but also ensure a society which is compassionate, environmentally conscious and caring towards each other. As students, you need to ask yourselves one question - "What Can I Give?"

Can I be an Environment Giver. Thereby giving a clean environment and conserve the planet and its habitat from degradation?

Can I be a Care giver. and providing care to those needy, those who are sick and those who are lonely in their pains?

Can I be a Rural Reform giver, leading to the transformation of my village and rural India through programme PURA - Providing Urban Amenities in the Rural Areas?

I would suggest each one of you to join this important mission and become a great giver for the society. My best wishes to all the members of P. R. Pote Patil Educational Institutions, Amravati (MS) for success in their educational mission.

APJ Abdul Kalam
APJ Abdul Kalam

MESSAGES...



Today's age is the hub of knowledge so I would like to say acquired knowledge It enables the possessors to distinguish the right from the wrong ; It lightens up the path to heaven. It is a friend I the desert, company in so solitude, companion when friend less. It guides towards happiness, it sustain adversity. Knowledge based on wisdom which is an ornaments among friends and armor against enemies. So within a very short span of time these institute has emerged as an esteemed institute to prepare competent need based human resource and responsible citizens for engineering and management profession through the dissemination of knowledge and development of technical and managerial skills, and it came into existence in response to the needs of the students.

It is our firm belief that the education should be complete, must be humane ; It must include not only the training of the intellect but also the refinement of the heart and the discipline of the spirit.

Hon.Mr. Pravin R. Pote

MLC, Ex. Guardian Minister Amravati
Chairman, P. R. Pote Patil Education
and welfare Trust's Group of Institutions, Amravati

MESSAGES...

It is a matter of great privilege and immense pleasure for me to be a part of this edition of 'Potential' - the college magazine.

Just as an embodiment of hopes, pleasure and aspirations represented as VIBGYOR across the horizon in a manner soothing to eyes and mind, the college magazine 'Potential' too intends to capture and represent diverse facets (colours) of P. R. Pote Patil College of Engineering & Management.

One most striking facet of the 'Potential' would be a reflecting and showcasing the diversity of minds, thoughts, creativity, art, skills etc., of the young souls of the college. It is said that a leader is born with the birth of every child. The only need is to provide an enabling environment, careful nurturing, and a spring board for meaningful blossoming, honing and effective use of unbound talents. The 'Potential' intends to fill this void for young minds to unleash their unparalleled innovative ideas.

In this era of cut throat competition, it is of paramount importance to impart an integrated education to the future citizens of the Nation for successfully facing multitasking. P. R. Pote Patil College of Engineering & Management, therefore, lay special emphasis on both co-curricular and extra-curricular activities providing students an edge over others to be a leader in their respective field of activity. The 'Potential' would also be a true reflection of all these diverse achievements and progresses made and being made by the college in fulfilling the coveted goal of imparting disciplined and quality education.

I am thankful to the editorial team who has burnt their midnight oil for timely publishing of this issue of 'Potential'. I am hopeful that 'Rainbow' will be enjoyed by all.

Dr. S. A. Ladhake

Director

P. R. Pote Patil Education
and welfare Trust's Group of Institutions, Amravati

MESSAGES...

Education enables a person to face new challenges, achieve goals and lead a successful life. Technical education, in particular determines the development and socio-economical status of a nation. There is, therefore a great need for high quality technical education to produce technically skilled manpower in India. We, the faculty, staff and administration at institute will work for producing technologically superior and ethically strong engineers, professionals for the country and the world with a purpose to serve a society and mankind. With strong team work we would achieve technologically excellence in a highly competitive environment around us. We strive for excellence what we do, the institute is constantly making endeavors to scale new heights by developing synergy between academic knowledge, technical skill set in line with industry needs, high moral values and sensitivity to the environment and the nation. Therefore apart academic, co-circular activities, sports and cultural development will form an important part of the life at institute from the very beginning.

Dr. S.D. Wakde

Principal

P. R. Pote Patil College of Engineering & Management, Amravati

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It gives us immense pleasure to present POTential 2019 in front of you. It is tenth successive issue of annual magazine.

POTential provides the wings to fly in the hypothetical sky of imaginations and thoughts. These thoughts are being converted into words, sentences and finally into an article. Everyone from the team struggled hard to reach upto the each and every student of PRPCE&M campus. This magnificent magazine is the result of it.

We are very much thankful to the Principal, the Director, and the management for making us part of it. We are also thankful to them for believing in our team and making this issue a success. Last but not the least we would like to thank all the members of PRPCE&M family, for their constant support and motivation.



Prof. G. S. Mahalle
Faculty Advisor



Prof. P. V. Kale
Faculty Advisor

- ┐ *Potential is what makes you who you are.*
- ┐ *Potential is what which can take you towards your dreams.*
- ┐ *Potential is what which can make your path easier.*
- ┐ *Potential is what that makes your life fullest.*
- ┐ *Potential is a priceless treasure, like gold. All of us have gold hidden within, but we have to dig to get it out.*
- ┐ *To dig the artistic potential of the Institute one step is this years POTENTIAL.*
- ┐ *With completion of 10 glorious years we present you this year's POTENTIAL with full artistic potential and lots of very special memories of last 10 glorious years.*
- ┐ *This is just a beginning and many more Glorious Memories and Many More "Potential" are ahead.*

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Avid

ENGLISH SECTION



Anurag Sawarkar
Editor




Shraddha Tekode
Co-Editor

Avid

The crazy ones who think they can change the world are actually the ones who do. The spark works it all up. And the spark; the Avid, that comes from within is the one that stays forever. 'Avid' is not just a word. It's the natural extension of our own instincts. It is the driving force that makes us want more and more, just to develop ourselves. There's many who wish for success but it's the game of those who walk from point to point without the loss of avid, with mere enthusiasm, or should I say with that spark. We must know that success doesn't always go to the stronger or faster man But sooner or later the man who wins is the one who thinks he can..... Yes, it's the one who has the endless avid running within to get the world upside down.

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UNFOLD YOUR CONSCIOUSNESS

Rest at the door to your inner kingdom and know that it will open for you! Relax and trust the process! Everything will be alright!

When we are unconsciously living in the normal state of mind, we are not embodying our full potential! Our awareness is bound and absorbed inside our mind and its dream like reality. In this state we are not able to access deeper level of truth because we are unconsciously encapsulated inside the realm of our mind and headspace! When we begin to open ourselves to deeper levels of truth, we find out that there is an unbelievable depth and beauty lying beyond the normal state of mind! We find out that our inner kingdom begins at the border of our familiar existence in our mind and headspace! As long as we are searching inside our mind and its dream like reality, we are like a ghost searching for his real existence! It is like being inside a film that has no real substance and continuity! When we find out that our real life begins by entering the depth of our true self, we start to see the difference between the mind and our very own nature! We totally see and fathom the illusionary nature of our mind and its dream like reality. As long as we think that

there is anything we can get out of our mind and headspace, we are dreaming rather than being! We are unconsciously continuing a live that is not our true fulfillment

and heritage! Open yourself to the depth of your very own self and let yourself fall deep inside! Enter a reality that lies far beyond everything you could ever imagine! It will help you to embody your deeper truth and full potential! Look out for the ultimate freedom and find the reality that lies beyond everything you could ever imagine. Don't let anything hold you back from discovering this beautiful and profound reality! Enter deep freedom - NOW!

When we are in a state of being absent, we are unconsciously caught in our mind and headspace and we have no connection to the deeper reality that is lying beyond this state of separation. We have no direct contact to the realm that is our home and true fulfillment! In the very moment we get in touch with this deeper reality everything changes. We begin to enter a realm that lies far beyond everything we could ever imagine. At the beginning our mind will mix up with the experience of this deeper reality and it might be sensed as a mixture of being connected to something deeper while drifting in the inner

film that our mind is creating. When we relax deeply and let go of the tendency to believe in the inner film that our mind is producing, we begin to enter a reality of profound peace and inner freedom. We begin to enter a reality that is free from the mind and its diminishing nature!

The more we relax and the more we stop identifying with our mind and the inner film it is creating, the deeper we fall inside our very own self. This falling has no end and bottom and is very beautiful and natural! Open yourself to the depth of your very own self and let yourself fall deep inside this indescribable beauty. Rest and contemplate in this profound inner peace and freedom and don't let anything disturb this beauty. No one has ever managed to find inner freedom inside the realm of his mind and emotions. No one has ever found real attributes inside the dream state of self! This is not possible! As long as we unconsciously try to find ourselves inside our mind, feelings and emotions, we get our

sense of self out of a mixture of thoughts, emotions and self-images. It is a sense of identity that is based on the identification with strong emotional reactions and a certain permanence of different moods and feelings! As long as we are unconsciously holding on this kind of identity, we are not able to access deeper levels of truth. We are unconsciously stuck inside our self-images and a state of dreaming about our life and reality! When we are able to deeply untangle from our mind and its dream state of self, we begin to fall deep inside our very own nature! We begin to unveil a true sense of self that lies beyond our mind and its illusionary reality! This realm is absolutely beautiful and gives us a stable and natural sense of self which is based on true power and real self-confidence! It is the foundation of our inner peace and freedom and the basis of a life that is free from the limitation of the mind and its dream like reality! But we cannot leave the dream state of self by remaining inside our head and headspace. We cannot leave our mind by focusing on our thoughts and the content that

our mind is creating! It is really important to understand this! Let yourself fall deep inside your very own self and don't believe in any inner image that may arise! Don't jump on anything that might show up inside! It will help you to deeply live and embody your true nature! Dive deep into the formless beauty of your true self and do not identify with anything that is arising inside! Let yourself fall deep inside without searching any bottom or mental security. Normally we tend to stay in mental or emotional layers of ourselves in which we are unconsciously convinced to be safe and to have a certain control over our life and the circumstances! We unconsciously tend to use our mind as a control-centre to have a clear overview and structure in life! What we don't know is that we unconsciously hold ourselves on the surface and in a state of an immense separation and limitation. We hold ourselves in a state of solidity and tightness and we massively lack the softness and beauty of our true nature! When we are able to fall in the boundless beauty of our true self without identifying with any mental, emotional or physical layer or reaction, we begin to enter a realm of absolute beauty and peace. We begin to enter a reality that lies far beyond everything we could ever imagine! In this process it is very important whether to focus on uncomfortable feelings or emotional states nor on uncomfortable body-sensations! Also it is important not to focus on the inner film that our mind is creating! When we begin to rest inside ourselves without identifying with any emotional or mental reaction, we begin to deepen and to naturally sink and fall inside the beauty of our true self! This deepening is endless and naturally gravitates towards the formless beauty of our true nature! Open yourself to the depth of your very own self and let the soft and gentle pull reach your innermost substance! Deeply follow the beauty and softness of your true nature and don't let any negativity disturb this indescribable communion!

■ **INDRANIL DESHMUKH**, Civil, 3rd, ye.

Gods

Gods,
Of those who fights in his name,
Who torches others life
With fire of Hatred,
Stored in their Heart,

God,
of Those who poses dark Souls,
Souls, which are long gone,
Turned to ash, pitch black,
Much like their lord,

God,
Of those whose action,
Bring Devil to shame,
Who thinks different surname,
Is a reason valid enough to kill,

God,
Of those whose Elysium is Hell,
Tongue of those only knows insulting,
Screams are music to their ears,
Wets streets of Blood, they call different,

God,
Of those who thinks He is Weak,
Weak, defenseless,
That he needs them,
To protect this Name,

God,
Of those who walks in mobs,
With pikes in their hand,
Parading, Naked Humanity,
Through Streets, to be burned at stake,

God,
Of those who are long lost,
Following nothing but Void,
I ask those who follow such God
Does such God Even exist?

■ R.SOMWANSHI, Electrical 2nd year

Dutty To Know

As a citizen of india its our duety to know that is our government doing good for us or not :

The following are the issues which are taken by our government.

1. India's economic malaise:

The state of india's economy is deeply worrying. Now the fact are evident to all

A .Nominal GDP growth is at a 15 years low;

B .Unemployment is at a 45 years high;

C . Household consumption is at a four decade low;

D .Bad loans in bank are at an all time high;

What should our government to do to overcome economic slowdown ?

For economic growth to revive it is veery important for a businessmen, capital providers and workers to feel confident and exuberant rather than being fearful and nervous. This is possible only if the government sheds its 'Mala fide unless proven otherwise' doctrine and begin to trust India's entrepreneyrs.

Dr. Manmohan Singh said that India's fragile economic situation calls for the twin policy actions of boosting demand through fiscal policy and reviving private investment through social policy by inspring trust and confidence in the economic participants in our society.

Risk of stagflation The real worrying trend is that the most recent retail inflation number have shown a sharp increases, especially the food inflation figure.Continued increase in inflation combined with stagnant demand and high unemployment will lead to stagflation a dangerous territory from which it become very hard for large ecomies to recover.

2. Removing of Article 370

Conservative estimations released by the



Kashmir chamber of commerce and industry show that the state economy has suffered a loss of no less than Rs.15,000 crore since the dilution of Article 370. For instance, a report in the hindu shows that, with jobs already hard to come by, there has been a staggering 80% loss of employment among start-ups in Kashmir that rely on the internet which direct affect on the virtual effacement of civil liberty.

3. Due to Net loss following issues are occurs:

The shutting down of the internet in Delhi and several states as a response to growing protest against the Citizenship Amendment Act(CAA),2019 is unsophisticated and deeply damaging to social life and the economy. Meghalaya , Tripuras and Arunachal Pradesh were entirely cut off , and parts of Assam, West Bengal, Karanataka and Uttar Pradesh were deprived of internet acces, in clumsy attempts to quell demonstrations. Shutting down the Internet to block criticism of the government. After protests against the CAA began, other states are also experiencing shutdown, and the fate of connectivity is being decided by officers empowered by the temporary suspension of Telecom Services Rules, 2017 under the Indian Telegraph Act

,1885 or section 144 of the Code of Criminal. A disrupted Internet is dealing a blow to digital financial transactions across several states , to e-governance initiatives, and economic productivity . It affects education and skill-building. Yet, since 2015, shutdowns have been rising- 134 times in 2018 and the NDA seems unwilling to change occurs.

The government should have instead focused its attention on finding solution to issues like Economic slowdown, unemployment and Non-performing Assets in bank. From that all point we have conclude that our government should not have any interest to find out solution on issues like Economic slowdown, unemployment and Non-performing Assets in bank. Instead of these Modi government focused on useless issues.

1. They built "Statue Of Unity" the total cost of this statue is around Rs 2989 crore which is Equivalent to(407 million US \$). Which does not support to enhance our Economic growth.

2. If NRC happened in all over country the total cost is around 4.26 Lakh crore

. Which does not support to enhance our Economic growth. When NRC had happened in Assam the cost for one state is 1600 crore.

3. Modi Government trying to convert PSUs into private sector. They sell the 24% share of these Navratnas Company which is most profitable to our government.

4. During dilution of Article 370 state economy has suffered a loss of no less than Rs.15000 crore.

5. To interfere into Ram-Mandir issues which does not support to our economic growth. Due to that violence in the people gets created.

6. Telecom sector has faces extremely slowdown due to that other companies such as AIR India, Infosys, Vodafone, BSNL, Airtel has a very Fragile condition. Due to that there is a chance of Monopolise gets created . And due to that inflation gets occurs on Mobile Recharge.

7. Modi government does not focus on unemployment ratio which is increasing day by day very rapidly.

■ ANURAG SAWARKAR, Civil, 3rd year

October
15
2020

Birth Anniversary of Dr. A.P.J. Abdul Kalam

Remembering the life and works of Dr. A.P.J. Abdul Kalam, former President of India and a great scientist, on his birth anniversary. An icon of nationalistic self-reliance in the field of science and technology, Dr. Kalam devoted his life in the service of motherland. On birth anniversary of this great son of India, we pay him our respectful tribute.



flickering lights

Staring into flickering lights
 Has always been one of favorite pass times
 On at one moment and off at another went the light
 Creating a gap between black and white
 Like a suspense novel,
 Off to create a mystery and on to reveal
 Its faulty working was what amused me
 Lights struggling to give light, without quitting
 At time, you will think it's all over now
 Like theres no chance the light will light again
 But it will light again forcing you to question how
 Its light is bright as day, but its chance to light is sure as rain
 The one with guts of tungsten,
 Who to give you light, himself he burn.
 The faulty, The one who flickers
 But more importantly the one who always recovers



■ R.SOMWANSHI, Electrical2ndyear

Women Empowerment

Women empowerment is must for the betterment of our country's future, as women are better manager than men. They can both manage her house and office in systematic way as compared to men. Many of us oppose women education and feel sad when a girl child is born due to our narrow mind thought process. Now it is on us to decide

whether we want a son like Kasab, Nirbhaya rapist on whom the world is ashamed of or we want daughters like,

Kalpana Chawla, Lata Mangeshkar, who are pride of our country. Till the date a women has played a pivotal role of a mother, daughter, sister and wife, so think if she gets a chance to work for the development of India she will definitely prove herself like Indira Nooyi, Isha Kocchar, Neeta Ambani,

Marykom and many more who are beautiful example for our country pride. So educate your daughter and let her fly in open sky freely and one day they also make you feel proud.

"If you want something said, ask a man if you want something done, ask women."



■ SNEHAL KADU, Electrical, 3rd year

A key talk with TCS placed guy!

*A student of P.R.Pote
College of Engineering and Management
Sanjay Shrichand Sodani of branch
Electronics got placed in multinational IT
Company TATA CONSULTANCY SERVICES
with an average salary of 3.50Rs. How he
managed to do it?*

Got placed in 7th Semester in TCS, Sanjay has done all its efforts and had put a sensible thing in mind that he can do it. He believed himself and trusted his efforts.

WHAT PREPARATIONS YOU DID?

I started the preparations of aptitude and technical in 6th semester, continuing did placed. Well frankly telling I had attend regular lectures and done the C programming workshops organized by the college, rest of the part is all about self study.

HOW YOU FACED PERSONAL INTERVIEW AND OVERCOME THE NERVOUSNESS? It's all about confidence and presence of mind. As we all say practice makes man perfect. You can build confidence by doing such activities anchoring or any other things which seems to be similar.

ANY SUUGESTION OR TIP FOR THE JUNIORS?

I can speak long time but the most important thing is communication skill. You have to just focus on improving the communication and be confident. Mr. Sanjay gives credits of his success to his parents and the whole TNP cell.

■ **SANJAY SODANI**, EXTC



HOW GOOGLE CONTROLS AVERAGE PERSON?

You may be wondering and thinking “How is this possible?” The truth may strike you like lightning. Google know every small information about you .Google knows your address, phone number, places you visit the most ,what kind of books you read, what brand you like more, the types of sites you visit more and many more such things.

You must be wondering “HOW?” Well, do you remember when signing to You Tube, G-mail, Google Maps, Play store etc belonging to Google?

Google has all your personal information about you. Hence it controls you with being seen by you.

The sale promotion e-mail you receive, Google is behind them. Google always knows your exact position .Google knows how much traffic you will get by your way while travelling to a place.

So, this is the way how Google controls an average person life!

■ **SHRADDHA TEKODE**, 3rd Year



All the children and young people around the world are protected by laws that give them rights to things like education, safety, a voice in the decision taken concerning them, and to space and time to play. However for tens of millions of children around the world, those basic rights are at risk because they have no work.

There is a huge difference between helping the families and child labour, just as there's huge difference between taking out the rubbish in return for pocket money and doing work for 30 hours a week, it means attending school becomes very difficult. This make child labour a human right issue.

According to study there are 218 million children are involved worldwide. These are the circumstances they go through:-

- 1) Full time work from an early age
- 2) Dangerous workplace
- 3) No access to education
- 4) Long working hour

Child labour is hard to define and harder to measure. However according to UNICEF more than one in ten of the world's children are involved although in some counties more than five in ten.


Facts about Child Labour:

- Worldwide more than 218 million children between 5 and 17 year are in employment.
- In absolute term, almost half of a child labour is found in Africa (19.6%), where as 2.9% in Arab States, 4.1% in Europe and Central Asia, 5.3% in America and 7.4% in Asia and the Pacific region.
- Almost half of all 152 million children victims are under the age of 5 and 11 years.
- Among 152 million children, 88 million are boys and 64 million are girls.
- Child labour is concentrated primarily in agriculture (71%), which include fishing, forestry, livestock, aquaculture and herding, and comprises both subsistence and commercial farming; 17% in Services; and 12% in the Industrial sector, including mining.

ALL THE CHILDREN DESERVE A CHILDHOOD , HELP THE NEEDY BY STOPPING THE GREEDY.

■ SHRADDHA C. TEKADE, 3rd Year

Long Lost



Long lost was he
 But he decided to ignore it
 And took the path he found
 For him the destination was only a virtue
 As he desires nothing
 Destined to roam for ever he is
 Alone,
 Others did try to stop him
 Thinking he was lost
 Which he was not in his view
 But wasn't simply looking for anything
 Fools did try to trick him
 Guarantying they have what he seek
 Offered wisdom and even money
 In oblivion tha the seeks nothing
 Signs tried too, but failed to
 Stop him from walking, they all failed to do
 Even roads ended but not his quest
 For he seek something that has no destination
 As he seeks nothing.
 Even almighty tried his best
 Rains, floods, droughts and thirst
 Soaked wet was he, in his sweat and blood
 But did that stopped him, Nah! He didn't halt
 His age started to show
 Legs and joints had given up long before
 it wasn't his body who was walking
 But walking were his motives and his soul.
 Then came time, trying to stop him
 His Face was wrinkled now and his hair were grey
 His eyes were no longer showing him the way
 Bu thes till was smiling as he was close to his aim
 As he desires nothing.
 Atlast came death,in all his majesty
 Beautiful sight it was,for the man who desires nothing
 He greeted him like an old friend
 Death too was smiling that day.
 And asked what did you desired to him.
 The manturned,I looked at his footsteps
 At his wounds and burns,tokens of his journey
 And proudly answered to death
 And said I desired Nothing

■ R.SOMWANSHI, Electrical2ndyear

Life is what you make it !

Most of the people and mostly students just always blaming their problems. that because of this reason I couldn't do that and all. and so many of them started to blaming god...that god has done this to me and all....and some of them blame their destiny. But first thing that have to understand that this is our life. No one can handle it instead of us. Don't blame others. just face each and every problem Byyourself.

We must find positivity in the bleakest situations and live by the principle by gratitude.

We learned about graditute and humility-that so many people had a hand in our success, from the teacher who inspired us to the janiters , who kept our school clean and we wheretaughtto value everyone's contribution's and treat everyone with respect. " - this is by

Michall Obama.

The poem composed by johson oatman, which may you all have had sung in our primary school , summarises by massage eloquently:

"When upon life's billows you are tempest tost when you are discouraged , thinking all is lost, count your many blessings , name them one bye one , all it will surprise you what the lord has done."

"So gratitude is the key to remaining positive and happy life. "

*Gratitude is not a feeling; it is a state of mind that can be developed, and it allows us to tap into a reservoir of unlimited positive energy. being grateful happens in two steps. **The first is to realize that there is good in the world and that good has fallan upon us.***

The second is the know that goodness is coming from something other than us, an external reality is giving the gifts of grace to our very own reality.

This could be our family, our friends ,nature and even god. we have so much to be grateful that!

"Spirtuality helps develops good character. It is character that shines bright when words fails to do so."

"Live your life in such a way that thoes who know you but don't know god, will come to know god because they know you."

STOP GOING THROUGH LIFE START GROWING THROUGH LIFE !

■ PRIYA GOPAL WANKHADE, EE 2nd year

Tree

*As the time spun its string,
Pulling the sun down,
Painting the sky brown,
Showing Birds their way home,
Around a patch of lawn
Stood a tree,
Who had an swing for necklace,
And was nervous and restless,
He was waiting for children,
To swing on him back and forth, again and again,*

*It has been a long time,
Since he has heard a nursery rhyme,
The sweet and high pitched voice,
Repeatedly telling the story of Hare and the Tortoise,
He misses that,
The old Bark of Tree bears a hundred names,
Of those who used to play beneath it numerous games,
He misses all of them,
The tree doesn't know,
Why children are failing to show,
While all the kids confined in houses,
Playing with keyboards and mouses,
Staring at computer screens,
Lost in cables and pins,
Spreading away their young days,
Becoming digital epidemic's Preys
The tree in oblivion,
Of fates of children,
Still waits*



■ R.SOMWANSHI, Electrical 2nd year

5 Lessons on Being Wrong

As a rule, we are incredibly hard on ourselves when it comes to being wrong and making big decisions in life.

- If our first five relationships end with a break up, we think we're destined to be alone forever.
- If we go to school, get a degree, and spend years training for a job that we end up hating, we feel like a failure for not having it all figured out.
- If we have a dream of writing a book or starting a non-profit or creating something of value and we stumble on the first try, we say that we're not cut out for this.

In cases like these, when we are attempting to do something that is complex and multi-faceted, I believe that being wrong is actually a sign that you're doing something right. Here's why...

First Choice vs. Optimal Choice

For some reason, we often expect our first choice to be the optimal choice. However, it's actually quite normal for your first attempt to be incorrect or wrong. This is especially true of the major decisions that we make in life.

For example...

1. Finding the right person to marry.
Think of the first person you dated. Would this person have been the best choice for your life partner? Go even further back and imagine the first person you had a crush on. Finding a great partner is complicated and



expecting yourself to get it right on the first try is unreasonable. It's rare that the first one would be the one.

2. Choosing your career. What is the likelihood that your 22-year-old self could optimally choose the career that is best for you at 40 years old? Or 30 years old? Or even 25 years old? Consider how much you have learned about yourself since that time. There is a lot of change and growth that happens during life. There is no reason to believe that your life's work should be easily determined when you graduate.
3. Starting a business. It is unlikely that your first business idea will be your best one. It probably won't even be a good one. This is the reality of entrepreneurship. (My first business idea lost \$1,400. #winning) When it comes to complex issues like determining the values you want in a partner or **selecting the path of your career**, your first attempt will rarely lead to the optimal solution.

5 Lessons On Being Wrong

Being wrong isn't as bad as we make it out to be. I have made many mistakes and I have discovered five major lessons from my experiences.

1. Choices that seem poor in hindsight are an indication of growth, not self-worth or intelligence. When you look back on your choices from a year ago, you should always hope to find a few decisions that seem stupid now because that means you are growing. If you only live in the safety zone where you know you can't mess up, then you'll never unleash your true potential. If you know enough about something to make the optimal decision on the first try, then you're not challenging yourself.

2. Given that your first choice is likely to be wrong, the best thing you can do is get started. The faster you learn from being wrong, the sooner you can discover what is right. For complex situations like relationships or entrepreneurship, you literally have to **start before you feel ready** because it's not possible for anyone to be truly ready. The best way to learn is to **start practicing**.

3. Break down topics that are too big to master into smaller tasks that can be mastered. I can't look at any business and tell you what to do. Entrepreneurship is too big of a topic. But, I can look at any website and tell you how to optimize it for

building an email list because that topic is small enough for me to develop some level of expertise. If you want to get better at making accurate first choices, then play in a smaller arena. As Neils Bohr, the Nobel Prize-winning physicist, famously said, "An expert is a person who has made all the mistakes that can be made in a very narrow field."

4. The time to trust your gut is when you have the knowledge or experience to back it up. You can trust yourself to make sharp decisions in areas where you already have proven expertise. For everything else, the only way to discover what works is to adopt a philosophy of experimentation.

5. The fact that failure will happen is not an excuse for expecting to fail. There is no reason to be depressed or give up simply because you will make a few wrong choices. Even more crucial, you must try your best every time because it is the effort and the practice that drives the learning process. They are essential, even if you fail. Realize that no single choice is destined to fail, but that occasional failure is **the cost you have to pay if you want to be right**. Expect to win and play like it from the outset.

Your first choice is rarely the optimal choice. Make it now, stop judging yourself, and start growing.

■ **AJINKYA GAWANDE,**

Electrical, 3rd year

IDEAL TO LIVE

*When I lied to my myself
I found that I live on a world ideal to live on,
A world where there no need for arms
For theres no war
When I lied to my self
I found that I live In a beautiful world where
money is trivia And ideals have value
A world where knowledge is religion and wisdom is god.
When I lied to myself
I found that there are no lines on map,
For it's of a world where theres no lust and greed,
For I talk of a world where everyone is son of single soil.
When I lied to myself,
I found that there are no walls,
For every one is welcomed in this world,
A place everyone can call home
When I lied to myself,
I found that there are no prisons here ,
No police, no court and governmentsneither, For
I speak of a world where souls are pure.
When I lied to myself,
I found that there are no losers here,
Every failure is celebrated just as much as winning
For this is a world where lessons mean more than medals.
When I lied to myself,
I found that words like country, caste and colour doesn't exit
A place where you not judged by your color
But your skills are awarded.
When I lied to myself
I found that shiny metals and polished stone are trash here And
so are silk and velvet,
So this is a world where mind is above all virtues.
When I stopped lying to myself
I found that this world could be the world I lied about
But, I lied again
For I couldn't bare the truth.*

DEAD HORIZON

“Words brings visions into existence.”

What are words? Are they just the combination of alphabets that produces sound, or there is something more that they hide within them. Words are the most powerful weapon through which we express ourselves. But most of the times we fail to use this power by running short of words and end up saying “I hope you understand”, like a cliché. This is so similar to coward saying “You know how badly I want to win this so please let me win”. The moment we fail to express ourselves is the moment when we must feel pity on mankind.

“It’s only words

And words are all I have

To take your heart away”

~Words, Boy zone

Though we are blessed with millions of word and thousands of languages and still we fail to communicate. We fail to express our vision. We we have the resource we have the power but what we don’t have is the sense of implementing our potentials.

As as a child we used to be full of doubts, questions, queries. With time we adulthood, we lost the child inside us and so do that enthusiasm to learn and know more. What we learnt with time is the art of throwing answer. Answers! something that can be mend, can be found, only when we have



questions. Questions are not found. Rather they are explored, they are to be created by our acumen, with our verge to go deep into the happenings around, facts, myths, etc.

“Answers are impulsive, whereas questions are inceptive.”

No question is right or wrong. Perhaps every question is simply a question that has come through our perception which has to be portrayed properly with our weapons (words). Our vision has to be clear. With time we get exposure. We have opportunities that demand questions. The need of the hour is to widen the vision and become unstoppable. Get out of the box and explore. Life may be too short to be perfect, but enough to keep learning and exploring. Before our power gets extinct make sure to put your contribution in making it more and more powerful.

■ **AKSHA ARUN THAMKE**

Burden Of thousand Minds

Oblivion,
Better State,
Of mind than,
Carrying burdens of thousand
Minds,
Burdens of Thousand Minds,
One worried of how it will fill,
It already over flowing pocket,
Other, worried if it will,
Eat tonight,
Burdens of Thousand Minds,
Buried under weight,
Of its own making,
Of Jealousy, of hatred,
Of things common to Human kind,
Burdens of Thousand Minds,
UN seen by others,
Who don't believe in hard work?
And that Success is bought
By mere force of Luck,
Burdens of Thousand minds,
Some bear it on their heads,
On their minds,
While other bear it on stomach,
On their Starving appetite,
Burden of thousand minds,
One Burden for Everyone,
Rewarding them with sleepless nights,
Exchanging dreams with night mare.
A burden every man must share,
Burden of Thousand minds,
Can be relieved?
If so tell me how,
For, I too carry a burden of my own,
On my mind.



■ R.SOMWANSHI, Electrical2ndyear

Fast Growth is Overrated

We live in a world obsessed with what we do.

- What did you earn from your job last year?
- What place did your team finish in the standings?
- What trophy did you win? What award did you get? What measure of social status did you receive?

In moderation, this focus on what is fine. I like getting results just as much as the next person. I like performing well. I like being on top of my game. Achievement can be a good thing.

However, our obsessive focus on what we're winning can also blind us from understanding how, precisely, people become winners. If you focus too much on the finish

line, you miss the strategy going on during the race.

As I continue to study top performers from all areas of life – athletes, artists, entrepreneurs, and more – I've begun to see similar patterns emerge among these people.

Volume Before Intensity

In 1992, after his own weightlifting career had finished, Yuri moved his family to the United States. His son, Norik Vardanian, began to make a name for himself in weightlifting a few years later.

Today, Norik is the number one ranked weightlifter in the United States and is

hoping to qualify for his second Olympic Games in 2016. Recently, Norik posted a training video (here) of a successful attempt to set a new personal record on front squat as his dad watched on, coaching him.

Here's what he said:

(200 kg (440 lbs) PR front squat for 5 reps. These are the only types of PR's my dad allows me to attempt... reps. He is not a big fan of 1RM in training. He had told me years ago that his best front squat workout was when he did 200kg for 5 reps.)

Pause for a moment and consider how this training approach differs from that of most people in the gym (and in many other areas of life as well).

If the best training method for an Olympian is to focus on doing

a volume of work and mastering repetition after repetition, why would it make sense for you or I to train by lifting a maximum amount of weight possible? And yet, this is often a trap we fall into.

The problem with the "Go Big or Go Home," fast growth philosophy is that when you don't have the underlying foundation of strength to handle the intensity of the effort, you're just setting yourself up for failure.

This is why I believe you should **focus on volume before intensity**.



THE FEAR OF FAILURE

The greatest barrier to success in one's life is fear of failure. It is also the major reason that holds a person back from realizing their potential. Fear of failure immobilize you, restricts you to your comforts zone, stops you from moving forward in life. It decreases your chances of being successful. It is almost impossible to get successful without steeping towards failure.

"EVERY FAILURE IS A LESSON IF YOU ARE NOT WILLING TO FAIL, THEN YOU ARE NOT READY TO SUCCEEDED"

It is not easy to swallow a failure .The worst feeling is facing failure which leaves you behind in regret. But if you try to overcome them, then no one can stop you from being successful in life.

Many people think that failure is the opposite of success, but in real failure is the first step toward success. Even the most successful person in today's world has gone through failure but the only thing they have done is overcome their fear and learnt from them.

There are numbers of examples like Celebrities, Sportsperson and Politician who in spite of facing defeats, did not give up on their dreams. They succeeded in overcoming their failure. Now they all are successful not because they have money, power or god's gift but they had the power to overcome their failure.

So don't let fear of failure hold you back from reaching your goals. The key to success is not avoiding the failure but to overcome them and built yourself from them.

"FAILURE IS DELAY, NOT DEFEAT".

■ YUGANT P. CHIKTE

A little rotten,

Dusty and one hand broken,
In a room full of webs,
Little dark and one window broken,
Their lies my best
Partner for childhood,
My toys.
A little rotten and
One eye broken,
Fainted colour and
One arm broken,
Lies my teddy.
Wondering everyday
For the same 6 year child
Will come and play?
And he will get his
Childish parent again.
A little streched and
A lot rusted,
Robo captain tends to
Find his next mission again,
Mister potato and his
Wife wonder weather,
Will they meet their
Lost children's again?
Mobiles and pubg's
Have the heart of youth
And children's in their hand,
No one knows,
What happend why and when?
Gaming zones and tablets,
Replaced the whole bachha party,
Wondering from the
Buildings window
An old aunty.
When will the cricket ball
Hit my window,
And children's will knock
My door again,
Maybe just for a couple
Of moment,
But the whole bunch
Of old toys happiness.

■ MEGHNA VYAS

Feathers of Depression



I'm not sick, every lunatic says that. But why do they say that? Very few people thought about it, right? Okay forget about it for a while and ask yourself, has your friend or a family member being so weird for long. And continuously says "I'm not depressed. I just need some time to be alone. Some time with myself. I want to know what and where I made the mistakes. Why all of a sudden all the people around me, the friends or my classmates just ignoring me? Don't I have value or any kind of importance? So many questions...and crying." Or he or she is just silent, quiet and never reply to your text or call... Have you ever thought about that? Well —

'Depression' is one of the most popular words nowadays. But people don't want to talk about it. Do you know why? Because they are afraid of what will happen if they do so. Are you afraid?

Research show that more 300 million people feel depressed. In college students, it is a common sickness. It could be a continuous failure in an exam or sometimes in a class where you can't deliver the answers when you are asked or you unable to put your thoughts in front of others. That occasionally leads to depression.

Sometimes we think that we need a doctor, but we really don't. We need a counsellor, just a friend who listens to us. A real friend who really want to be with us. His or her life gonna affect if we are not good. With whom we can talk about our day, about the shot we have played. But when we don't find any kind of support and comfort we feel sad. And then what happens-

We try to find different ways to deal with

that. At any cost, we want to be normal but deep inside we were broken... It is hard to imagine these thoughts and trust me and think about those people who actually suffer —

It feels good when you close the door and live in the dark light ALONE. It really feels good when you can't sleep the whole night and put the sleeping pills in your mouth. And also it really feels good when you cut your muscles and let the stress flow with your blood. But seriously, it is for temporary, and you really want more. More than that!

And because of what? What are the reasons you want to do that? The reasons we want to do that? Just because, we didn't get proper attention from some people or the people whom we call our close ones are now just 'random people'. The best friends become so-called 'friends'... It really hurts dude. Its lot to take in... When these people don't understand the difference between the good and bad, they behave like 'lunatics' and cried out, yell 'I'm not sick' when they were asked.

So what should we do when we find out these symptoms? -Just go for it and comfort him or her. Say "It's all right, I'm here, with you always... You didn't lose me..." They only need a listener. Be a good listener. Be with them, talk and support them. Hug them, pat their back and comfort them. They may be stood for you in your hardest time and now it's your part, your turn to do. That's how you can save someone's life.

■ SURAJ S. MAHURE, Mech. 3rd year



LATEST TRENDS IN CONSTRUCTION TECHNOLOGY INNOVATIONS IS THE KEY TO SUCCESS

Innovation:

Innovation is not only about the money but also about the people you are leading. Innovation is necessary for the workplace as it gives companies an advantage to penetrate markets faster and provide a better connection to develop market for bigger opportunities.

Innovations are necessary because history is known to everyone of us that companies which were once at peak doomed to death only due to 'lack of innovations'. It is necessary to identify and explore some of the advances in construction technology in order to identify their potential impact on project management as well as construction claims management and dispute avoidance. Technology has transformed the world radically over the last few decades. Likewise, there have been a number of technology changes

impacting construction, with even more on the way.

Trends in Constructions:

Construction industry has taken great advancements compared to some years ago technologies. In fact, there are some of the noteworthy trends which we can expect to see in recent some years.

Latest top construction technology trends are as below:

1. Construction Software and Data Ecosystem:

Nowadays softwares have become necessary for the construction process. Its impact on sector will nevertheless increase in the near future. It is not far when the innovative players of industry will come together to share data, experiences and their knowledge due to this data ecosystem.

2. Augmented Reality:

It is the ability to visualize the real world through the camera lens. It is a thing which bound construction industry with many new opportunities. This trend will grow much bigger in next 5 years.

3. Building Information Modeling:

A Building Information Model (BIM) is a digital representation of physical and functional characteristics of a facility in construction industry technology. This not only enables 3D and 4D programming but also 5D, 6D, 7D. It is an intelligent model based technology with greatly safety and sustainability.

4. Drones:

This is a rapidly developing technology in terms of accuracy and precision of the readings, as well as less human involvement. They are more efficient as well they save time which is great deal for business.

5. Robotics:

Robotics is a branch of engineering that involves the conception, design, manufacture, and operation of robots. This field overlaps with electronics, computer science, artificial intelligence, mechatronics, nanotechnology and bioengineering.

6. Wearable Technology:

The wearable space has expanded dramatically to include smart hats, shoes, glasses, jewelry, watches, helmets, and more. These accessories carry embedded actuators, biosensors, and gyroscopes to follow movement heart rates, stress level, and countless other metrics. Smart gadgets are increasing

workplace safety and improving operation efficiency in construction sites across the country.

7. Connected Devices:

Connected devices can greatly benefit from GPS tracking and especially construction equipments that travel long distances between projects. This helps in proper management and prevents thefts.

Also there are so many trends which are taking place in the construction technology which lead to ease and time saving. While the construction sector has been slow to adopt process and technology innovations, there is also a continuing challenge when it comes to fix the basics. Project planning, for example, remains uncoordinated between the office and the field and is often done on paper. Contracts do not include incentives for risk sharing and innovation; performance management is inadequate, and supply chain practices are still unsophisticated.

Conclusion:

As we know, "The only way to discover the limits of the possible is to go beyond them into the impossible." To be with the footstep of the world it is necessary to adopt new technologies, to do new innovations, to take risks. It is profitable to use modern methods for saving time as well as manual power and sometimes money.

■ RASHMI GAJANAN LONKAR,

B.E Final Year

MUMBAI: THE CITY WHICH NEVER SLEEPS

S o m e moments you experience while travelling end up completely blowing you away in ways you'd never have expected. They stay with you forever and years later you still smile at the fond memories.



Mumbai would be incomplete if you miss to visit the Marine Drive .It is a C shaped coastline forming the bay .The wide road with palm tree lined on both the sides, joining the Narima point to the Babulnath and its situated at the foot of Malahar hill. It

Mumbai is India's most dynamic, cosmopolitan and crowed city .The country's financial centre and its busiest port. Mumbai is also home to world's biggest cinema industry, popularly known as Bollywood. Some 14 million people, from billionaire tycoons to homeless pavement dwellers, live in the teeming metropolis.

As soon as I stepped in Mumbai, many local trains welcomed me like horses to take me to the journey of the dream city 'MUMBAI'. The very first thing I saw there was the crowd on the railway station .The crowd was so huge on the station, itself it seems how the people over their struggle over there for a single minute.

My first day in Mumbai started by viewing the most adorable views. They were so fascinating that one could never ignore them.

Chhatrapati Shivaji Terminus (CST), formerly known as Victoria Terminus (VT) , is a UNESCO World Heritage site and a historic railway station located in the heart of Mumbai. Built in 1888, the station is a grand reminder of the British Raj in India and still one of the most historical landmark within the Central Business District of Mumbai .It has been a core witness to the city flourishing ,business blooming ,and the Indian film industry growing. It has seen the transition of Bombay to Mumbai.

The very next day I visited to Marine Drive known as 'Queen's Necklace'. A trip to

is also known as Netaji Subhash Chandra Bose road. It is an enthralling experience viewing the sun setting down to be Arabian Sea and the waves crashing the huge sea rocks. Marine drive is perfect hangout place for all the ages as being considered the best pathway for the evening walk. Without an evening on Marine Drive, the visit to Mumbai is vain.

Then it was the time to visit the very well known place and it was the 'GATE WAY OF INDIA'.Vistors can visit here at any time of the day. The best time to visit this place is during the month of November to March, as the post monsoon climate is very delightful. India's cherished monuments, the Gateway of India was constructed in 1924.This monument was built to desirable king George V and Queen Mary to Mumbai. The most fascinating thing could be seen here at a same place as Taj Hotel, Oberoi Hotel and The Gate Way of India forms a triangle and from the same place there are ferry boats for the historical caves known as Elephanta Caves.

And finally it was a last day in Mumbai, the experience travelling in Mumbai was awesome, it's true, it is really a dream city, many people around the country come here to make their dreams come true. I would really say you should once visit Mumbai in your lifespan.

■ SHRADDHA C. TEKADE, 3rd Year

Dear society,

Now that am ur prisnor
 Clip my wings
 And dump me into your
 Cage of shame .
 Show me that I can't do it,
 Teach me how to smile,
 Nd if I went wrong anywhere,
 Put those allegations on me
 And lock me into ur cage,
 Clip my wings,
 And dump me into ur,
 Cage of shame.
 Only a while,
 Till I learn to fly.
 Fly till the height of
 My allegations,
 Allegations which are
 Ment to be broken
 By my determination.
 Determination which will,
 Teach me .
 Teach me how to fly.
 Fly as a bird
 And to visit the land
 Of fairytales once again.
 And to be d same
 Daddy's princess
 Mom's world
 And sister's guide
 Once again -Regards women

■ MEGHNA VYAS

WHY DOES EVERY INDIAN WANTS TO BE AN ENGINEER OR A DOCTOR?



Aah , how do you ask or whomever you ask regarding the career choice the only answer we get is a Doctor or an Engineer. That's it & and nothing else. Is there nothing else beyond these two choices? Possibly "YES". Then why everyone is rushing toward becoming doctor & engineer?

If you do a survey in India you'd get the maximum number of students, especially those who have secured good marks, wants to be a doctor or an engineer .In India the career of the student is decided by their parent. Even if the child doesn't have interest in the field chosen by their parent, they have to do it by sacrificing their own passion.

This is the scenario of India at the moment. Everyone just want the title of being a doctor and engineer .Today if you want to count the number of the doctors and engineer , you would need a super computer as the number is increasing day by day. And the other profession can be counted on the tips of your fingers.

People have very wrong thoughts that position, money, respect, & every good thing lie in these two professions. Other fields are simply nothing. The scenario also shows that people only care about degrees, & jobs, & nothing more. But today we've very small number of Edisions among lots of engineers and very few are Harveys among the doctors. Because most of them have become by complex process and very few had talents in this fields.

So, you have the right to chose for your own .Never hesitate of doing something you know, is right for you, & you want to do it.

"FOLLOW YOUR DREAMS AND THE UNIVERSE WILL OPEN DOORS FOR YOU WHERE THERE WERE ONLY WALLS".

■ SHRADDHA C. TEKADE, 3rd Year

The Effect of Media On Teenagers

Social Media is about Sociology & Psychology more than Technology

The youngsters live in an environment started with media. They enjoy increasing access to television movies, music, games, websites and advertising often on pocket size devices. Media is a vast from of communication that permeates nearly every aspect of modern youth. Teenagers are exposed to all sorts of media out lets from television, movies and advertising or social media sites such as facebook and Instagram.

Thus it become increasingly important to understand the impact of media on the life of teenagers.

Media, is that positive or negative? However they should have a healthy balance between social media and the real world.

There is no doubt that media brings lot of information to us. This information has two face it can give us a better understanding of the world around us or can disturbed our mind without knowing out self.

Social media diversifies teen's social shlls which help them navigate through a technologically astute society teenagers in the news are more likely to be interested in major social and political issues. This can help to educated them and encourage them to become more involved as citizens in their communities.

However, there is another side of this story. Media's influence on teenagers can be deliberately created, for example media advertising is often directed at children of teenagers. This means children and teenagers are increasingly conscious of brands and

images. They just want to look cool among their peers and it does not bother them if they really need brands or are altering the way they are for this purpose. Media influence can also be more indirect as the young mind are highly emotional.

An example of this might be the increasing sexualisation of content in advertising magazine, television shows and music videos.

Media features violent images and in a coarse language for example video game and song lyric. These indirect media influence can suggest teenagers that these are normal way to look and behave. This face has been often connected with the rise of criminal activity such as teasing girls, acid attack and rape. Which can be easily observed in this videos.

"Social media one of the strongest weapon, but at the same time it is one of the deadliest poison"

"Social we can easily realize that media is a two face sword and the answer to the question it it's negative or positive depends on how we use it."

What will be the solution for this? How can we make this balanced ? answer for this is quite simple the use of media should be restricted neither less nor excess. Awareness about how to stay away from bad aspect of media and how to take out the best that it has to offer should be don at all levels of education. Excess use of anything is harmful and same thing applies to social media therefore, we must strive to live a satisfying life with the right balance

■ YUGANT P. CHIKTE,

वैखरी

MARATHI
SECTION



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Editor



Neha Ardak
Co-Editor

वैश्वरी

**ऋग्वेदातील वाणीरुपी भाषेचे
चार टप्पे सांतिले आहेत.**

त्यातील पहिले तीन टप्पे स्वतःला आतून
जाणवत असले तरी दुसऱ्याला समजावून
सांगता येत नाही. चौथा टप्पा मात्र आपण
शब्दरूपाने बोलून किंवा लिहून दाखवू
शकतो. हा टप्पा म्हणजे वैश्वरी. त्या
आधीच्या परा, पश्यन्ति आणि मध्यमा
या टप्प्यांमध्ये आपल्या मनातील विचार
भाषेच्या-वाणीच्या स्वरूपात आकाराला
येतात. वैश्वरी ते दुसऱ्यापर्यंत पोहचवते.

**संवादाची हा दुवा म्हणजे
वैश्वरी...**

मराठी विभाग

| अ. क्र. | शीर्षक | लेखक / कवी | पृष्ठ क्र. |
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घरट्याची किंमत

सारी चिमणी पाखरे परत आली
घरट्याची किंमत त्यांना कळली

आई-बाबा बसतात वाटेकडे नजर ठेऊन
अपेक्षा फक्त भेटावे एकदा तुला येऊन

डोळ्यात मुलांसाठी तळमळ दिसली
आई-वडिलांच नात्याची ओळख पटली

आपलेपणा काय असतो ते कळलं
कित्येक वेळानंतर घर आनंदाने भरलं

सल्ला आले मोलाचा आठवणीने ठेवा लक्षात,
प्रेम कधी कमी नसते आई-बाबांच्या मनात

सुखाचे क्षण द्या आई-वडिलांच्या जीवनात
ऋण होईल पूर्ण व सुखी रहाल तुम्ही संसारात

रहा घर बांधून कुठेही, साधा यशाची पायरी
विसरू नका कधीही गावाकडची प्रथम पायरी

■ ओमकार जोशी, सी.एस.ई., ३ रे वर्ष

प्राजक्ताच्या फुला

प्राजक्ताच्या फुला
सकाळी सकाळी
अंगणातील तुझा
सडा पाहून मन
आनंदून जात रे
दुसऱ्याच्या आनंदासाठी
म्हणून काय कोणी
आपलं आयुष्य
त्यागून देत रे
क्षणाचे आयुष्य तुझे
ओघळतानाही सुगंध
पेरून जात रे
प्रेमाने झेलणाऱ्या
निर्दयपणे कुस्करणाऱ्या
हातात सारखाच
मधूगंज शिंपडून देतोस रे
इवलस फुल समता
नि त्यागाची शिकवण
देऊन जातोस रे
सांगतात स्वर्गातून
तू आलास

म्हणूनच की काय जगावे कसे अन
मरूनही उरावे कसे दाखवून जातोस रे

■ प्रज्वल रामेकर, इलेक्ट्रीकल, ३ रे वर्ष



पोटच्या पोरसाठी झटणारा हा बाप

माझ्या मित्राच मेडिकल आहे. आम्ही सर्व मित्र जसा वेळ मिळाला तसं तिथे बसत असतो. नेहमी प्रमाणे मी काल सकाळी १० च्या सुमारास तिथे बसलो होतो. तेव्हा एक अर्धवयाचे साधारण बांधा असणारे, थोडेसे सावळे पण चेहऱ्यावर तेज असणारे गृहस्थ तिथे आले. सोबत त्यांचा ८-९ वर्षांचा मुलगा होता. त्याच्या कडे बघितल्यावर त्यांच्या डोळ्याला काहीतरी इजा झाली आहे हे जाणवले आणि त्यावरून ते औषध विकत घ्यायला आले असतील असा अंदाज मी बांधला. त्यांनी लगेच खिशातील चिड्डी काढून माझ्या मित्राला दिली, आणि म्हणाले, भाऊ हे पुरं औषध किती ले भेटण??, काका हे पूर्ण ३४२ रुपयांचे होते. त्यांनी काही न विकत घेता काहीही न बोलता दुकानातून पाय टाकला. पण आता त्यांचा चेहरा पडला दिसत होता आणि दोघेही जण बाहेर जवळपास अर्धा तास काहीतरी बोलत उभे होते वापस ते काका दुकानात आलेत आणि म्हणाले, “भाऊ येच्यातली अशी गोळी द्या का जीन ठणक कमी होईल अन बाकी गोळ्या राहू द्या” त्यांनी ती गोळी घेतली पैसे दिले आणि निघून गेले.

मी पण त्या सर्वोकडे दुर्लक्ष केलं आणि घरी निघून आलो. नंतर संध्याकाळी ५ वाजता मी मेडिकलमध्ये गेलो आणि पुन्हा ते गृहस्थ तिथे आले पण यावेळी ते एकटेच होते. आता त्यांनी पूर्ण औषध खरेदी केलं, दोन डेअरी मिल्क घेतल्या आणि आता ते निघणारच तर मी न राहून विचारलं “काका तुम्ही मघाशी पण आले होते तेव्हाच का नाही घेतलं मग पूर्ण औषध?, काही पैशांचा विषय होतो का?”, ते लगेच उत्तरले “हाव भाऊ पैशांचाच विषय होता” मी तवा आलतो तवा मा खिश्यात फक्त १०० रुपये होते. पूर्ण किंमत ३४२ रुपये होती, म्हटलं मग एक तात्पुरती ठणकी ची गोई घ्याव कारण पोट्याचा डोया लय दुखत होता. मी लगेच म्हटलं मग काका तुम्ही पैसे उधार आणले का आता? ते म्हणाले नाही हो भाऊ उधार नाही, जाऊ द्या मी तुमाले इस्टोरीच सांगतो., ते बोलू लागले. मी हाय तुमच्या गावात पाव्हना माणूस, २४० किमी वरून मी इथं लग्नाले आलो, काल लग्न झालं आज जाणारच होतो, त हे पोटे खेलत होते त माया वाल्याच्या डोयाले तार लागला, मी गरीब माणूस १५०० रुपये आणले होते संग, तेच्यातले अहेर-आंदण येच्या गेले सारे, फक्त तिकिटीसाठी ४०० रुपये उरले होते त पोड्ड्यान काम दाखोल, मग काय आणलं दवाखान्यात त डाक्टर न २०० रुपये घेतले, मग तुमच्या दुकानापुढे विचार केला, आपल्या पाशी पैसा नाही, ज्याच्या घरी पाव्हन आलो त्याले मागण बर वाटत नाही, अन आपण त गावले उद्या चाललो, मग आज त खालीच आहो, मी आमच्या तालुक्याले पोस्टमार्टम करतो अन बाकी वेळेस वेल्डिंग चे काम करतो, म्हटलं पाहिले तुमच्या सरकारी दवाखान्यात गेलो, अन माय नशीब इतकं चांगल तिथं एक केस होती पोस्टमार्टम ची, बस मग काय ओळखपत्र दाखोल, ७०० रुपये बोली केली २ घंट्यात काम झालं, बस घरी गेलो आंघोळ केली अन इकडे कारण माल्या पोरची डॉक्टरची तडप मायाच्यानं पायल्या जात नव्हती. मीही थक्क झालो हे सर्व ऐकून. पोटच्या पोरसाठी झटणारा हा बाप.

■ इंद्रनिल देशमुख, सिव्हील, अंतिम वर्ष.

आग

आग... हा शब्द ऐकून किंबहुना बहुतांश लोकांच्या मनात ठराविक चित्र बनते..

पण मी त्या अग्नीबद्दल बोलत नसून, जी समाजाच्या मनाला लागलेली आग आहे त्याबद्दल बोलत आहे. ती अग्नी ज्याच खर वैशिष्ट उब देण आहे, त्याच आगेत जेव्हा एक बलात्कार पीडित झुरते तेव्हा तिला उब नाही तर असह्य त्रास सहन करावा लागतो. समाज म्हणजे कोण? तर आपण सगळेच या क्रूर समाजाचे सदस्य आहोत.. जिथे आपल्या माय, लेकी, बहिणी

सुरक्षित नाही. अरे खरी आग काय असते ते त्या पीडितेला विचारा....अग्नी ची खरी परीभाषा तर तिलाच माहिती असते. आपण घरी बसून कधीच या गोष्टीचा अंदाज लावू शकत नाही, जेव्हा आपल्या पोरीला साध खरचटलं तर आई-बाबाचा जिव हातात येतो.. पण त्या पोरीचा विचार करा जिने पूर्ण शरीरावर हा त्रास सहन केला असणार, दर वर्षी या अग्नी चा चुकीचा उपयोग केला जातो... तो म्हणजे रावण दहनाचा वेळेस, आपला समाज त्या पुतळ्याला जाळतो ज्याने सीता मातेला कधी हात सुद्धा लावला नाही, आणि त्या मुलींच जीवन उध्वस्त करणाऱ्या नराधमांचा शिक्षा द्यायला वर्षानुवर्ष लावतो. अरे आग तर आपल्या मनात तेव्हाच पेटायला पाहिजे जेव्हा आपण कोणत्या ही स्त्रीवर अत्याचार होताना दिसेल! आणि तेव्हाच या देशाला खर स्वातंत्र्य मिळेल. जेव्हा सुरक्षित राहिल प्रत्येक नारी, तेव्हाच प्रगती येईल आपल्या दारी.

■ विशाखा धांडे, सी.एस.ई., २ रे वर्ष.

वृक्षाचे आत्मवृत्त

हे मानवा कृपा करून विसरू नको
हिवाळ्यात तुझ्या शेकोटीची उब मी आहे
उन्हाळ्यात तुझ्या डोक्यावरील छाया मी आहे
माझी फळे प्रवासात तुझी भूक भागवतात
आणि त्याचे रस तुझाला सुकलेला घसा ओला करतात
तुझ्या घराचा मी खांब आहे
तुझ्या छपराची मी तुडई आहे
नदी नाल्यातून नेनारी तुझी नाव मी आहे
मी तुझ्या कुदळीचा दांडा आहे
नागराचा फाळ आहे, गाडीचा चाक आहे
पाण्यामध्ये तृत्न जोजवणारा मीच आहे
आणि स्वर्गाचीया स्वारीचे वाहनही मीच असणार आहे

■ नेहा अर्डक, सी.एस.ई., अंतिम वर्ष.

आयुष्य म्हणजे काय असते?

आयुष्य ही फार अवघड शाळा असते. आपण कोणत्या वर्गात आहोत हे आपल्याला ठाऊक नसते. पुढची परीक्षा कोणती व कधी आहे याची कल्पना नसते. एक मुख्य बाबा म्हणजे आयुष्याच्या पेपरमध्ये कॉपी करता येत नाही. कारण प्रत्येकाची प्रश्नपत्रिका वेगळी असते. तरीसुद्धा जाणूनबुजून कॉपी केली किंवा कॉपी करण्याचा प्रयत्न केला तर या पेपरमध्ये आपल्याला शून्य गुण प्राप्त होतात. अथवा आपल्यालाच त्या कॉपीमध्ये प्रश्नांचे उत्तर नाही सापडले तर पेपर कोराही राहू शकतो.

आयुष्यात जगत असताना अनेक अडचणी येतात त्या आपल्याला पार कराव्याच लागतात. आयुष्य जगत असताना आपण फक्त आपलं कर्तव्य पार पाडायचं असतं आणि येणाऱ्या प्रत्येक नवीन दिवसाचं हसून स्वागत करायचं असतं कारण आयुष्य हे एकदाच मिळत असतं.

■ मोनाली मुनदाने, इलेक्ट्रिकल, अंतिम वर्ष.



पाऊस

पावसाची तरी सर, त्यात हळूवारश्या वाऱ्याची तरी भर।
पक्षांचा हा थवा उडतोय, सूर्याच्याहीवर ॥

बेधूंद अश्या आकाशात, आज पक्षाचाच चालतोय राज।
वेलींवर या शोभून दिसतोय सूर्य किरणांचा साज ॥

पुष्कळ दिवसानंतर दिसतो, आकाशात पक्षांचा वावर।
बघून हे रम्य चित्र, निसर्ग म्हणतोय माणसाला आता तरी स्वतःला सावर ॥

निसर्गाचाच खेळ जणू, बेधूंद आज हवेत या... पक्षी घेत आहेत मजा।
पिंजऱ्यांचा आता अनुभव घेत, माणसाला मिळतेय मात्र सजा ॥

निसर्गाचा माणसावरील राग बघून, माणूसही मागतोय निवांत वावरण्याची भिक्षा।
पण ठेवून जर बंधन आज, निसर्गही घेतोय माणसाची परीक्षा ॥

■ प्रिया वानखडे, इलेक्ट्रीकल, ३ रे वर्ष.

आई सांग तरी देवाला
मला यायचय माझ्या गावाला!
आस होती फौजी व्हायची
पण इच्छा नव्हती गाव सोडून जायची!
तुमच्या आठवणी त्रास देता जीवाला..
आई सांग तरी देवाला
मला यायचय माझ्या गावाला..!

फौजी

जबाबदारी होती म्हणून पायरी
चढलो मी यशाची
कारण जाणीव होती मला माझ्या
परिस्थितीची
गेले ते दिवस जे होते दुःखाचे
आता उरलेत ते दिवस फक्त शुखाचे
दिवसभर तेच तेच येतेय फक्त ध्यानाला...
आई सांग तरी देवाला
मला यायचय माझ्या गावाला..!

शाळा आणि कॉलेजचे ते दिवस किती छान होते
कधीही न परत येणारे,
मित्र आणि मैत्रिणींबरोबर सतत
हसत, रमत, मस्ती करणारे
आज भास करत आठवतेय माझ्या मनाला...!
आई सांग तरी देवाला
मला यायचय माझ्या गावाला..!

हे देवा माझ्या आईची ऐवढी प्रार्थना स्वीकार कर
कारण मला आनंद घ्यायचाय
त्यांच्यासोबत प्रत्येक क्षणाला...
आई सांग तरी देवाला
मला यायचय माझ्या गावाला..!

■ हर्षल इंगळे, इलेक्ट्रीकल, ३ रे वर्ष.



आई सांग न ग

का होतो जन्म?
 कोणी म्हणते जन्म
 झाली की जग
 पाहायला मिळते
 मग आम्ही मुली
 आलो की का ग ते लपते
 लपू नको म्हणा त्याला
 पाहू दे एकदा
 आई सांग न ग जन्म
 होतो का दोनदा
 जन्माला आल्यावर होतो
 आम्हा वर अत्याचार
 सहा, सात वर्ष नाही झाले की
 मूली कडे वाईट नजर
 अन् बदलतात वाईट नजरा
 अन् बदलतात का ग त्याचे विचार
 होईल का ग यांच्यात बदल
 आई सांग न ग मग
 कोणी करेल का ग आम्हाला मदत
 कधी होतात अॅसिड अटॉक
 तर कधी होतो बलात्कार
 कोण देतो ग याना प्रेरणा
 बनायला असा कलाकार
 कसे ग लोक: कसे त्याचे मन
 ऐवढे अत्याचार नाही ग होत
 आता सहन
 कोण त्यांना समजून ते सांगेल
 आई सांग नग कधी हे थांबेल
 आई सांग न ग त्यांना
 थांबून बघा एकदा
 करा या विचार
 थांबवा ते अत्याचार
 थांबवा ते बलात्कार
 आशा करतो आम्ही
 थांबेल हे एकदा
 न होणार हा गुन्हा
 तरच येऊन आम्ही पुन्हा



■ नयनिका भोंडे, सी.एस.ई., अंतिम वर्ष

स्त्रीमुक्ती

स्त्रीमुक्तीचे वारे वाहू लागले कोठे घोंगावत गेले, तर
कोठे अलगत शांतच विरले
शतकांमागून शतके गेली हे वारे वाहतच राहिले
वाहतच राहणार युगानुयुगे
माझ्या घरची स्त्री मुक्त आहे आज असं जो जो
अभिमानानं सांगतो
या एकविसाव्या शतकात, तिला कोठे आहे मारझोड कि
उपाशी राहण्याचा त्रास
तिच मन, तिचा आत्मसन्मान, तिचा बाणा, तिचा तोरा
तिचा अहंकार, तिचा स्वाभिमान हे कुठे येत स्त्रीमुक्तीत?
हे तर फक्त आमचेच मुक्ते
म्हणूनच स्त्री रडली आणि रडली कधी गलिच्छ वसाहतीत
तर महालात आणि राजवाड्यातही
स्त्री मुक्त झाली असे फुलेंना वाटले, गांधीना वाटले
पण नाही, स्त्रीजन्मा या विलख्यातून तुझी मुक्तता नाही

■ स्नेहल कडू, इलेक्ट्रीकल, अंतिम वर्ष.

सूर्यकिरण चिकित्सा

वेदांमध्ये सूर्यकिरण चिकित्सेचे मोठे विस्तृत विवरण करण्यात आले आहे. मत्स्य पुराणात सांगितले आहे की निरोगी राहण्याची इच्छा असेल तर सूर्याला शरण जा वेदांमध्ये उदय पावणाऱ्या सूर्याच्या किरणांचे फार मोठे महत्त्व सांगितले आहे. अथर्ववेद १७/७/३० मध्ये वर्णन येते की उदय पावणारा सूर्य मृत्यूच्या सर्व कारणांना, सर्व रोगांना नष्ट करून टाकत असतो. या वेळच्या इन्फ्रारेड किरणांमध्ये फार मोठ्या प्रमाणावर जीवनशक्ती असते. ऋग्वेद (१/५०/११) मध्ये असा उल्लेख आलेला आहे की रक्ताल्पता या रोगावर सर्वात श्रेष्ठ औषध म्हणजे उदय पावणाऱ्या सूर्याचे दर्शन व ध्यान हेय होय, हृदयाचे सर्व रोग नित्य उगवत्या सूर्याचे दर्शन ध्यान करून व अर्घ्य दिल्याने दूर होऊ शकतात. (अथर्व१/२२/१)

■ अनुश्री तट्टे, सी.एस.ई., अंतिम वर्ष.



पाहुणा

ये नवीन वर्ष ये
उत्साहाने तुझे स्वागत आहे
तुझ्यासाठी जुन्याला निरोप द्यायचा
तुझ्या आगमनासाठी बेलत आखायचे
जल्लोषाने तुझे स्वागत करायचे
तु काय घेऊन येणार आहेस,
याचा कोणालाच थांगपत्ता नाही
पण तुझ्याकडे असणाऱ्या शिंदोरीची
उत्सुकता प्रत्येकाला आहे
कोणाला काय द्यायचे, नाही द्यायचे
हे सारं तुझ्याच हातात आहे
बारा महिन्यांचा पाहुणा तू
तुझा पाहुणचार सारेच करणार
तुझ्याकडेच सारं चांगलं
मला मिळावं असं प्रत्येकाला वाटणार
प्रत्येकजण त्यासाठी प्रयत्न करणार
दुःखच नसेल तर सखाची मजा कळणार कशी?
असं तुला वाटतं
पण एखाद्याला फक्त सुखच
आणि एखाद्याला फक्त दुःखच
असं मात्र अजिबात करू नकोस
सर्वानाच सार काही थोड थोड दे
आमच्याकडूनहीच चांगलं ते घे
तू सर्वानाच हवाहवासा वाटावासा
असं काहीतरी कर
तू परतताना, तुला निरोप देताना
तू छान होतास हे बोलण्यासाठी
तुझे स्मरण होण्यासाठी
चांगलच दे! चांगलच दे!

■ इशा गिरी, सिव्हील, अंतिम वर्ष

शिक्षकाकरिता

खरचं कळत नाही
माणूस असा का वागतो?
धूळ चेहऱ्यावर अन्
आरसा पुसत राहतो
आरसा पुसल्यावर धूळ उठून दिसते
तोपर्यंत मात्र वेळ गेलेली असते
पण, आम्ही भाग्यवान
तुम्ही धूळ पुसता आणि आमुच्या
बिंबाला नेहमी चमकविता!

■ श्रद्धा टेकाडे,
इलेक्ट्रीकल, अंतिम वर्ष.



आभास

*HINDI
SECTION*



Maithili Ninhot
Editor



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Co-Editor

□ आज़

कभी सोचा है हमारी भाषाओं का आगाज़ कैसे होगा? या मनुष्य ने भाषा का प्रयोग करना कैसे शुरू किया होगा? या किस वक्त मनुष्य को भाषा की जरूरत महसूस हुई होगी?

हमारी राष्ट्रभाषा हिंदी सिर्फ भारत में ही नहीं बल्कि सम्पूर्ण विश्व में लोकप्रिय है। हिंदी भाषा में विपुल, समृद्ध साहित्य उपलब्ध है। अगर हिंदी भाषा का आगाज़ ही नहीं हुआ होता तो क्या हमे इतने समृद्ध साहित्य का साक्षी होना संभव होता? या जिस कथा-कहानियों द्वारा हमारे पूर्वजो ने अगली पीढ़ी को जो ज्ञान सौंपा है, उन कथा-कहानियों से रुबरू होने का मौका मिलता?

कहते हैं किसी भी चीज का आगाज़, प्रारंभ बेहद कठिन और कष्टदायक होता है। परन्तु बाद के क्षण सुखदायक होते हैं। इसलिए हमे आगाज़ करना चाहिए नए प्रगतिशील विचारों का, नए रचनात्मक संकल्पनाओं का जो हमारे मानजाति के उत्थान हेतू एक माध्यम बने, इस विश्व को एक बेहतर जगह बनाने के लिए।

■ तुषार वानखडे,
सह-संपादक, हिंदी विभाग.

हिंदी विभाग

| अ. क्र. | शीर्षक | लेखक / कवी | पृष्ठ क्र. |
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वक्त नही

हर खुशी है लोगो के दामन में
पर एक हंसी के लिये वक्त नही।
दिन रात दौडती दुनिया में
जिंदगी के लिये ही वक्त नही।
सारे नाम मोबाईल में है
पर दोस्ती के लिये वक्त नही।
आँखो मे है नींद भरी
पर सोने का वक्त नही।
पैसों की दौड मे ऐसे दौडे की
थकने का भी वक्त नही।
पराये एहसानो की क्या कद्र करें
जब अपने सपनो के लिए ही वक्त नही।
तू ही बता इस जिंदगी का क्या होगा
की हर पल मरने वालो को
जीने के लिये भी वक्त नही।

■ मोनाली मुंदाने,
विद्युत अभियांत्रिकी, ३२ वर्ष.

इंशान

बिखरा हुआ इंसान
समुद्र की तरह होता है
ऊपर से चंचल अशांत अधीर
खिलखिलाती शोर करती लहरों की तरह
पर जितना आप भीतर झांकते हो
वह उतना शांत दिखाई पडता है
किसी गहराई में
बहुत ही शांत स्तब्ध!

■ तुषार दा. वानखडे,
यंत्र अभियांत्रिकी, ३२ वर्ष.

मत पुछ

बादल से तु ना उसका देश पुछ
वो तो बादल है
उसका पानी कही का
वो बरसता कही और है।

तु बालक से उसका धर्म ना पुछ
बचपन तो इन सबसे उपर है
वो मंदिर के प्रसाद को देख मुस्करता है
और मस्जिद कि दावत के नाम से उसका मन ललचता है।

तु रंगो से ना उनकी जात पुछ
हर एक रंग भिन्न है
तो कोइ माथे के तिलक पे सजाता है।

तु रिश्तो से उनकी सीमा ना पुछ
रिश्ते तो सबसे अनमोल है
कोइ मुह से माँ
तो कोइ अम्मी बोलते है।

तु चमडी से उसकी औकात ना पुछ
वो उसके बलिदान कि गवाह है
किसी ने चार दिवारो
तो किसी ने धूप मे उस रंग को पाया है।

पुछ तु खुद से क्या है तु
तुझे पिता ने नाम दिया
माँ ने इस जिवन का वरदान दिया
फिर तुझे किस बात का घमंड है
अभि तुम भी और मै भी दोनो है हड्डी मास के पुतले
बादमे तु और मै दोनो राख है।



■ रुद्रप्रताप सोमवंशी,
विद्युत अभियांत्रि, २२रे वर्ष

जाग जा इंसान

तरक्की के नाम पर सब कुछ जला राख कर दिया
अब राख को जलाने चला है तू।
लड लड कर सबको दूर कर दिया
अब भगवान से लडने चला है तू।
तू बहरा हो चुका है अपने ही गुन गान गा कर
शायद इसी लिए कभी सून ना पाया।
तेरी माँ चीखती रही दर्द से मगर तू कुछ कर ना पाया।
लालच के अंधेरे में मेरे जखम तू देख ना पाया।
तेरे सारे जुल्म सेहती रही अब ना सह पाऊंगी
तेरे कर्मों की गवाह थी अब तक, पर
अब ना देख पाऊंगी।
तू खूद को संतान और मुझे माँ
बुलाता
फिर भी मुझे क्यों रोज रुलाता
है।
मनुष्य होने से पशु से ऊंचा ना
हुआ
चार पैरों पर चलने से पशु नीच ना हुआ।
तेरे रेशम से ज्यादा तो मेरे लिए ये घास मुलायम है
इन पशुओं ओर पक्षीओं की तरह तू भी मेरी ही संतान
है।
ताकत का भूखा है तू, रक्त का मोल तुझे ना है
आसुओं को दोष ना दे, मुस्कुराने की आदत तुझे ना है
अब तो रक्त के आसुओं से गालो को भी रंग चुका है
तू
इंसान हो कर भी इंसानियत भुल चुका है तू।
तूने मेरे वनो को काट कर अपने महलो को सजाया है
तूने मेरे बच्चों को मार कर कालीन की तरह बिछाया
है।
इंसान की रीत में इंसानियत ना रही
क्या तेरे दिल में कोई भावना ना रही।
आगे चलते चलते पीछे देखना भूल चुका है तू
वक्त के सामने अपनी औकात भूल चुका है तू।



मैंने तेरा भविष्य उसी दिन देखा था
जिस दिन तूने तलवार उठाना सीखा था।
चांद की तरफ देख कर तू अपनी ही धर्ती कुचलता है
तेरे कर्मों का फल भोगते समय तू मुझे क्यों कोसता
है।
तू पत्थरो की किमत जान से ज्यादा मानता है
तू कागज के टुकड़ों को अपना भगवान मानता है।
तूने थोड़े और के लालच में सब कुछ अपने नाम कर
दिया

तूने धीरे धीरे कर के मेरी एक एक सांस
को बन्द कर दिया
तेरे कारखानों की चिमनिया तेरे
जमीर से ऊची हो गई
तेरी प्यास मिटाते मिटाते मेरी
नदिया सुखी हो गई
तू गंगा को माँ बुलाता है
फिर क्यों उस में कुड़ा फैलता है
बस हो गया अब, ऊब चुकी हूँ

तेरे प्रदुषण की गंदगी में पुरी तरह डुब चुकी हूँ।
तूने मेरे नाम से युद्ध भी छेड डाला
तूने मुझे मेरे संतानो के रक्त रंग डाला
तू मेरी मिट्टी के बारूद से मुझे रोज जलाता है।
तेरी माँ एक है, तेरा खून भी एक ही होगा
जंग में मरने वाला तेरा ही भाई होगा।
जो रक्त तेरे दिल में दौडता है
उसी रक्त से क्यों तू अपनी तलवार रंगता है।
थाली के लोहे से तलवार बना दी
रक्त के संबंध को मिटा कर, तूने लकीरे बना दी
तेरे ये नारंगी और हरे झंडे मुझे ना दिखाया कर
है इंसान, क्रिपा कर के मुझे माँ ना बुलाया कर।

■ रुद्रप्रताप सोमवंशी,
विद्युत अभियांत्रिकी, २ रे वर्ष

वक्त

वक्त नहीं ठहरता किसी के लिये
तू भी चल अपनी मंजिल के लिये।
यू तो बहुत मुश्किलें आएंगी, तेरे रास्ते
तू ना डर किसी से खुदा के वास्ते।
निकल पड तू भी बे ख्वाब अपने रास्ते
क्या पता खुदा भी मिल जाए तेरे ही रास्ते।
तू चल पड, ना रुकना किसी के लिये
क्या पता मंजिल को भी तलाश होगी तेरे लिये।
वक्त नहीं ठहरता किसी के लिये...

■ कामेश ठाकरे,
यंत्र अभियांत्रिकी, अंतिम वर्ष

जिंदगी एक पहेली...

खशाहिश नहीं मुझे होने की।
आप मुझे पहचानते हो बस
इतना ही काफी है।
अच्छे ने अच्छा और बुरे न बुरा जाना मुझे।
क्योंकी जिसकी जितनी जरूरत थी
उसने उतनाही पहचाना मुझे।
जिंदगी को फैसला भी कितना अजीब है।
शामे कटती नहीं और साल गुजरते जा रहे है।
एक अजीब सी दौड है ये जिंदगी...
जीत जाओ तो कई अपने पिछे
छुट जाते है।
और हार जाओ तो कई अपने पिछे
छोड जाते है।

■ मोनाली मुंदाने,
विद्युत अभियांत्रिकी, ३रे वर्ष

शाम

आज शाम फिर उदास है
सोई हुई कहानीया तितलीया
बनके उडने को बेकरार है
पर दिल में एक कसक सी है
क्योंकि शाम अभी ढलने को है

कल ही बात हुई मेरी तारो से
कहा मैने उनसे
सब्र पिघलती रखा करो आने का
पिघलती शाम मे कोई ख्वाब पिरोता है
पर पता है मुझे भी ये सब धोका है।

■ तुषार दा. वानखडे,
यंत्र अभियांत्रिकी, ३ रे वर्ष



बेटियाँ

ओस की इक बूंद सी होती है बेटियाँ।
तकलीफ हो माँ-बाप को, रोती है बेटियाँ।
रोशन करेगा बेटा तो एक ही कुल को,
दो-दो कुलों की शान बढ़ाती है बेटियाँ।
कोई नहीं है दोस्तो एक दुसरे से कम,
हीरा अगर है बेटा, मोती है बेटियाँ।
काँटो की राह पर वह खुद ही चलती,
औरो के लिए फुल बोती है बेटियाँ।
विधी का विधान, यही दुनिया का चक्र है।
अपने प्रियों को छोड़ पिया के घर जाती है बेटियाँ।
प्रकृति का नियम है, समय का चक्र चलता रहेगा,
हर हालत में घर को स्वर्ग बनाती है बेटियाँ।
ओस की इक बूंद सी होती है बेटियाँ।

■ मोनाली मुंदाने,
विद्युत अभियांत्रिकी, ३ रे वर्ष



परेड में पीछे मुड़
बोलते ही पहला
आदमी आखरी और
आखरी आदमी
पहले नंबर
पर आ जाता है।
जीवन में कभी आगे
होने का घमंड और
आखिरी होने
का गम न करें।
पता नहीं कब जिंदगी
बोल दे :
पीछे मुड़



क्यों

जब टुट जाते हैं हम
बिखर जाने से कुछ लम्हों के
हम सोचते रहते हैं
बस उस एक पल के बारे में
और पूछते रहते हैं खुदको ये सवाल
सिर्फ मैं ही क्यों?
इस खिलते हुए गुलशन में
ये रेगिस्तान मेरे हिस्से क्यों?
इस शोर भरी बस्ती में
ये सन्नाटे सिर्फ मेरे नाम क्यों?
तब सब करती है बया
सिर्फ तुम्हारी नही
ये हर किसीकी कहानी है
कही गरजते बादल तो
कही धूप सुहानी है।

■ तुषार दा. वानखडे,
यंत्र अभियांत्रिकी, ३ रे वर्ष

ज्योत

उन्हे त्यागमूर्ति कहते है
 उन्हे शक्ति का प्रतीक कहते है
 पर घटती है जब कोई विकृत घटना
 सहम जाते है हम सब
 फिर सुरक्षितता पर उठते सवाल है
 सिर्फ कागजों पे रेंगते कायदे कानून है
 पर वो इतनी दुर्बल नही
 दुर्बल हमारी सोच है
 दुर्बल सोच उन कुविचारों की जड है
 बदलना हमें हमारी सोच है
 उन्हे सिर्फ अब अधिकार नही
 देनी समानता देना सम्मान है और
 वो सिर्फ स्त्री महिला नारी नही
 क्रांती की एक ज्योत है
 जो हर वक्त राह दिखाएगी
 अंधकार से प्रकाश की और

■ तुषार दा. वानखडे,
 यंत्र अभियांत्रिकी, ३ रे वर्ष



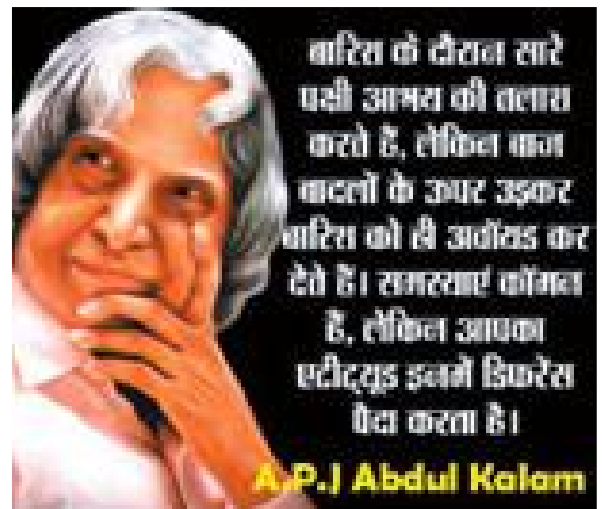
सफर

छूट जाते है पिछे
 वो लम्हे जिन्हे मै
 अपना बताता हूं
 छोड जाता हूं
 वो सारी राहें
 जिनसे जुडी है कई यादे
 वो शाखों से गिरे पत्ते
 वो चौराहे पे खडा पेड

वो हवाएं जिनसे मैने
 अपने तन्हाई में की है
 अपने दिल की बाते
 वो सब भूल के
 सफर जारी रखता हूं

मुझे तलाश है किसीकी
 इस सफर में
 मै खुदको ढूंढता हूं।

■ तुषार दा. वानखडे,
 यंत्र अभियांत्रिकी, ३ रे वर्ष



हर बार मंजिल

हर बार मंजिल का मुकम्मल होना ही सब कुछ नहीं होता
 कभी कभी मंजिल से खूबसूरत रास्ते होते हैं
 हर कोई अजनबी था यहाँ, जब आये थे अब हर किसी की हमारे साथ दुनियाँ हो गयी
 जिनकी शक्ले तब याद नहीं रहती थी
 ना जाने आज उनके साथ कितनी यादें जुड़ गयीं
 एक *Hi* से शुरू हुए रिश्ते अब अपने आप चाय की तरफ बढ़ते हैं
 छोटी सी मुस्कुराहट अब हसी के धुएँ उड़ाती है
Will you complete the assignment? से लेकर
 हम टाइमपास नहीं कर रहे हैं तक का सफर
 ना जाने कितने आँसू बहायेगा
 वो *Campus* में पुरा दिन हुडदंग मचाया
 पर *Class* में जाना जान पर आना
 फिर *PL's* में *Syllabus* के नाम से एक बार तो भी रोना
2 Groups में बटे वो लोग,
 एक का *Deadline* से पहले सब कुछ *Ready* रहना
 और दुसरे को *Deadline* का पता भी ना होना
 वो *Practicals* की *adjustments*
 वो उन दिनों बस लिखना, लिखना और कुछ भी लिखना
 एक ही फिक्र से सिर का चकराना
 कैसे भी करके बस *Submissions* हो जाना
 ना जाने कितने दिल टुटे यहाँ
 तोड़ने वाले ज्यादा रोये जहा
 दिल बड़ी जोर से कतराया हैं
 जाने का खयाल जब दिल में आता हैं
Low Attendance के नाम से डर जाना
 और उसके लिए फिर से *Bunk* मारना
Sincerity और *Obedience* का आवारापन और
 लापरवाही में तब्दल होना
unit test में *top* करने के सपने से शुरू हुई दुनिया
 पुरी *list* में एक का भी *pass* ना होने तर बदल जाती है
 सच में यह *college life* प्यार से हमें अपनाकर बड़ी आसानी से दूर कर जाती हैं
 काश कुछ करिश्मा हो जाता
 यह दौर यूँ ही ता-उम्र चल पाता।

■ रेणुका म. डोळे,

संगणक विज्ञान अभियांत्रिकी, अंतिम वर्ष

शब्द

अंधेरो मे करे मौत का इंतजार
तब यूँही कुछ पन्ने पलट लेना
बेमतलब होने से पहले इनका मन पढ
लेना

तू मेरे शब्दों का सदका बन
यूँही मेरी गजलों को गुन गुना लेना।

मोहब्बते मेरी वही कैद है कही
पढ कर तुम भी आशिक हो जाना
शब्द अकेले होंगे मेरे, तब तू उनकी साथी
बन जाना

तू मेरे शब्दों का सदका बन
यूँही मेरी गजलो को गुन गुना लेना।

जायदाद, जमीन, पैसे का क्या करेंगे शब्द
मेरे

तू ही उनकी दौलत बन जाना
जब यतीम होंगे वो, तू उनकी वालिद बन
जाना

तु मेरे शब्दों का सदका बन
यूँही मेरी गजलो को गुन गुना लेना।

शब्द भुखे भी होंगे मेरे
प्यास लगेगी उनको भी
तू बस वक्त निकाल कर उन्हें पढ लेना
तु मेरे शब्दों का सदका बन
यूँही मेरी गजलो को गुन गुना लेना।

■ रुद्रप्रताप सोमवंशी,
यंत्र अभियांत्रिकी, २ रे वर्ष

भूल गए हम

ढलती हुई रात
बिखरे बिखरे बादल
बिखरा हुआ मै
आँखमिचौली करता वो चाँद
याद दिलाता है कुछ
के तारों को गिनना
भूल गए हम
कहा खो गए उन
ऊँची ऊँची इमारतो में
के आसमान की पनाह में
सोना भूल गए हम
इतना कहा गुम हो गए
के खुदसे मिलना ही
भूल गए हम।

■ तुषार दा. वानखडे,
यंत्र अभियांत्रिकी, ३ रे वर्ष

रास्ते पर कंकड़ ही कंकड़ हो
तो भी एक अच्छा जूता पहनकर
उस पर चला जा सकता है..

लेकिन यदि एक अच्छे जूते के अंदर
एक भी कंकड़ हो तो
एक अच्छी सड़क पर भी
कुछ कदम तक चलना मुश्किल है।

अर्थात : बाहर की चुनौतियों से नहीं
हम अपनी
अंदर की कमजोरियों से हारते हैं।

EMINENT

TECHNICAL SECTION



Aasawari Tayade

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EMINENT

We all have often heard that “The Science of today is the technology for tomorrow”.

We understand that Technology is best when it brings people together. Similarly, the extreme sophistication of modern technology is wonderful through its benefits are ironically, an impediment to engaging young people with basics, with learning how things work.

Thus we take what modern technology is capable of: the power of our moral sense allied to the power of communications and our ability to organize intentionally. This, emphasising the technology in modern world let us forward to our eminent.

Eminent is a point of view engaged into science and technology showing that modern technology has become a total phenomenon for civilization, the defining force of a social order and to explore the limits of abilities and expand the boundaries one has never possibly thought of. It challenges the work in the leading edge of Development and Maintenance of Technology.

The ultimate aim of this Eminent is to produce awareness of advancements being made in the realm of Science and Technology.

Technical Section

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Mixed Reality Will Soon Be in the Service of Science Labs

Mixed Reality will usher in a new age of innovation in laboratory

The laboratory of the future will be very different. Emerging technology is radically reshaping the way we tackle daily challenges in the laboratory, opening the doors to new methods and insights, creating an incubator for potential new discoveries.

One technology that is sure to bring about a new age of innovation is the exciting realm of mixed reality.

Imagine your future laboratory. Better yet, imagine a high-tech laboratory from your favourite science fiction film.

Maybe even think of that infamous scene from *Minority Report*. Your favourite director probably used some form of what they perceived as mixed reality to convey the idea of the “laboratory of the future.”

Related: Augmented Reality:

The Future of Medicine

For the initiated, mixed reality is the result of blending the physical world with the digital world. It is considered the next evolution in human, computer, and environment interaction, a place in which the world is the interface.

In short, mixed reality allows users to interact directly with their environment. Mixed reality uses a combination of augmented reality and virtual reality to control physical reality using hand gestures, voice commands, and eye movements. Scientists can manipulate a lab bench without even directly touching it.



Mixed Reality in the laboratory

The laboratory holds a special place in humanity’s history, becoming a place of discovery and lasting innovation. Mixed reality can help continue this tradition, helping to create a safe, simplistic, accountable laboratory environment. Holo4Labs is here to usher in the modern laboratory.

Developed by Solution4Labs, Holo4Labs is the mixed reality version of Laboratory Information Management Software (LIMS) made for Microsoft’s powerful HoloLens2. In short, this application gives scientists the opportunity to merge data processing information management software used by scientists on a day-to-day basis with the real world laboratory.

Holo4Labs has three major benefits that

can be applied to a laboratory. First and foremost, the mixed reality program is here to save you time and money, two crucial resources in the laboratory setting. Using the app, you can quickly analyse samples and get the data needed, store it for future analysis and do it all hands-free.

The mixed-reality application gives you the opportunity to react immediately as changes occur in the laboratory, analysing samples while having better control with your peers. Thanks to the capabilities of mixed reality you can communicate with peers across the world on current projects.

Human error and mistakes can slow down the research process. The Solution4Labs created application helps you tackle problems even before they occur. This helps create both a safer and higher quality environment for scientists. But, wait there's more.

Mixed Reality features that will change the laboratory

With the Holo4Labs you can, inform, record, and analyse. Intuitive controls ensure that you do not miss a beat. The user interface takes full advantage of the Microsoft HoloLens 2 without being invasive or distracting from the tasks at hand.

In fact, mixed reality tools like Holo4Labs helps free scientist of the mundane and tedious aspects of the lab work that can take up so much time.

However, the benefits of using this mixed reality tool go much deeper than that. In fact, the minds behind the application believe their mixed reality interface will facilitate the next era of innovation in the laboratory.

Changing the way we work in the laboratory.

The laboratory plays a vital role in the fuel industry, pharmaceutical, food industry, bio banking industry, and metallurgical industry, just to name a few. The Holo4Labs has a place in all of them.

It is the only HoloLens software designed to run ThermoFisher Scientific SampleManager™ LIMS. Due to this technology, the mixed reality system has a host of applications in the industries mentioned above.

Compared to traditional augmented reality technologies, mixed reality allows application users to interact with overlays, affecting real-world devices. With something like this tool, users can complete sample recognition, mundane procedures, measurements, and even data collection hands-free.

Simple but well thought out technology like the intuitive eye-tracking ensures scientists are consistently able to interact with the lab bench at hand, easily cycling through options, setting and step by step procedures. Paired with the hands-free tracking sensors paperless and precise documentation has never been easier.

And, as mentioned above the audio and 2K visual capabilities of the mixed reality device allows scientific collaborators to call in and observe laboratory work all while providing spatial awareness of the laboratory environment.

As mentioned above, emerging technology is ushering sweeping changes across the laboratory. Mixed reality itself holds the promise of creating laboratory environments that are more collaborative, safe, and accurate, allowing both scientists and pioneers to focus on innovation.

5G in 2020



So she is excited about the arrival of 5G, the fifth-generation wireless network that has been the subject of breathless speculation over the last few years. The new cellular standard, carriers have said, will reduce network congestion and pump out data so fast that smartphone users could download all the “Avengers” movies in a few minutes. It might even eventually help cars drive themselves.

“5G seems like orders-of-magnitude improvement,” Schipper said. “I’ve also heard it’s much more reliable, so that matters to me.”

Yet the shift to 5G feels like a tech revolution happening in slow motion. In 2019, AT&T and Verizon, the two largest American carriers, lit up their 5G networks in a small number of cities. Handset-makers released only a handful of phones compatible with the new standard. The overwhelming majority of us saw no meaningful improvement to our cellular networks.

At CES, the big consumer electronics show in Las Vegas this week, the carriers are insisting that 2020 will be a turning point for 5G. AT&T and Verizon say they expect their 5G networks to be accessible nationwide this year. In addition, the

carriers say at least 15 smartphones will be 5G compatible this year, more than triple the number last year.

“2020 is pivotal because you’ve got a good foundation built, and the ecosystem starts to form,” said Kevin Petersen, a marketing executive for AT&T.

So what does that even mean? A major technology shift is underway, which may have an effect on your personal technology in the coming years. And unlike its predecessors, 5G is complex and more confusing.

What is 5G?

In the simplest terms, 5G is a new cellular standard. Phone carriers have jumped to a new wireless standard roughly every decade. About 10 years ago, 4G, the fourth-generation network, arrived with significantly faster speeds and stronger reliability than 3G. About a decade before that, 3G arrived and was much faster and more robust than 2G. You get the picture.

Unfortunately, 5G is more complicated. There are a few flavors of 5G described with deeply technical jargon.

To make 5G easier to swallow, let’s rename the jargon into ice cream flavors:

- The much-hyped, ultrafast variant of 5G is known as “millimeter wave,” but let’s call it rocky road. It lets carriers transmit data at incredibly fast speeds” the kind that would let you download an entire movie in a few seconds. The problem with rocky road is that its signals travel shorter distances, covering a park in New York but not a broad swath of the city, for example. It also has trouble penetrating obstacles like walls. So Verizon and AT&T have focused deployment of rocky road in large spaces like sports stadiums and outdoor amphitheaters. Because of the technical limitations of rocky road, we are unlikely to see it deployed nationwide anytime soon (if ever), meaning we won’t be getting these incredible speeds in the vast majority of places.

- Instead, this year our cellular networks will broadly shift to a version of 5G that is less exciting. Let’s call this vanilla 5G. Vanilla 5G will have speeds that are only slightly faster than current 4G networks. The main benefit will be a reduction of lag known as latency. For example, when you do a web search on your phone, the results usually won’t load immediately; the lag can often last hundreds of milliseconds. In theory, 5G technology will shave this latency down to a few milliseconds. (To be clear, rocky road offers low-latency benefits, too.) AT&T and Verizon say their 5G networks, which will be made up of mostly vanilla 5G and small scoops of rocky road, should be activated nationwide this year. T-Mobile, which put a priority on deploying vanilla 5G over rocky road, said its 5G network was available nationwide last year.

In short, the broad shift to 5G won’t

be mind-blowing, but you will probably notice a marked improvement.

Will 5G be faster than Wi-Fi?

In some cases, yes. While Wi-Fi is also very fast, it pulls data from a broadband connection, which is susceptible to degraded performance when others nearby are using it. By design, 5G transmits high amounts of data more efficiently, so it is expected to significantly mitigate network congestion. There is a high likelihood that you will get a consistently strong, faster connection on 5G.

Do we need a new phone to get 5G?

Yes. You will have to buy a new phone with a 5G modem to connect with the new network technologies.

Most current 5G-compatible phones are expensive: Samsung’s Galaxy Note 10 Plus 5G, for example, costs \$1,300. But as the technology becomes more common in the next few years, prices should drop.

How much will 5G data plans cost?

The carriers are still tinkering with pricing.

What will we do with 5G?

The benefits will probably feel subtle and significant.

Lower latency is crucial to future mobile applications. It could make virtual reality work more smoothly □” like if you were watching a virtual-reality broadcast of a live sports game and wanted to look around the stadium.

Reduced lag may also improve gaming: If you were playing a shooting game with friends online, there would be less delay between button presses and your actions in the game.

■ AASAWARI TAYADE, CSE, 3rd Year

OPTIMIZED PRODUCTION WITH BIG DATA ANALYTICS

Big Data: What it is and why it matters?

Big data is a term that describes the large volume of data – both structured and unstructured – that inundates a business on a day-to-day basis. But it's not the amount of data that's important. It's what organizations do with the data that matters. Big data can be analysed for insights that lead to better decisions and strategic business moves.

The term "big data" refers to data that is so large, fast or complex that it's difficult or impossible to process using traditional methods. The act of accessing and storing large amounts of information for analytics has been around a long time. But the concept of big data gained momentum in the early 2000s when industry analyst Doug Laney articulated the now-mainstream definition of big data as the three V's:

1.Volume: Organizations collect data from a variety of sources, including business transactions, smart (IoT) devices, industrial equipment, videos, social media and more. In the past, storing it would have been a problem – but cheaper storage on platforms like data lakes and Hadoop have eased the burden.

2.Velocity: With the growth in the Internet of Things, data streams in to businesses at an unprecedented speed and must be handled in a timely manner. RFID tags, sensors and smart meters are driving the need to deal with these torrents of data in near-real time.

3.Variety: Data comes in all types of formats – from structured, numeric data

in traditional databases to unstructured text documents, emails, videos, audios, stock ticker data and financial transactions. To create the best quality products in the most efficient way, we have to fully understand how the products are made and how they work. That requires using 'big data' and 'predictive analytics'.

Big Data in Today's World: Big data

– and the way organizations manage and derive insight from it – is changing the way the world uses business information.

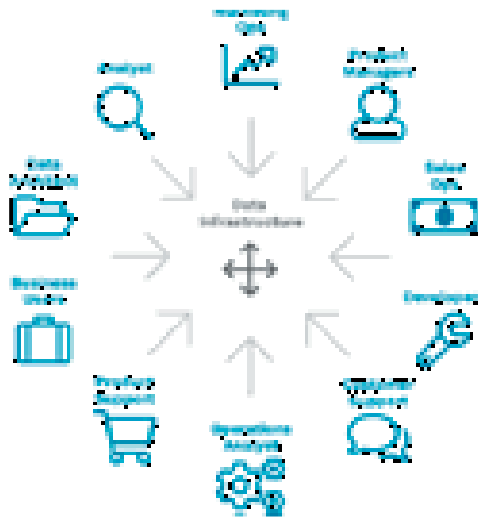
Data Integration Deja Vu: Big Data Reinvigorates

DI: To stay relevant, data integration needs to work with many different types and sources of data, while operating at different latencies – from real time to streaming. **New Analytics Ecosystem:**

Cloud, containers and on-demand compute power – a SAS survey of more than 1,000 organizations explores technology adoption and illustrates how embracing specific approaches positions you to successfully evolve your analytics ecosystems.

Who's focusing on big data?

Big data is a big deal for industries. The onslaught of IoT and other connected devices has created a massive uptick in the amount of information organizations collect, manage and analyse. Along with big data comes the potential to unlock big insights – for every industry, large to small. Deep learning craves big data because big data is necessary to isolate hidden patterns and to find answers without over-fitting the data. With deep learning, the better quality data you have, the better the results.



SWITCHING TOWARDS SERVERLESS COMPUTING

What is serverless computing?

Serverless computing is a method of providing backend services on an as-used basis. A Serverless provider allows users to write and deploy code without the hassle of worrying about the underlying infrastructure. A company that gets backend services from a serverless vendor is charged based on their computation and do not have to reserve and pay for a fixed amount of bandwidth or number of servers, as the service is auto-scaling. Note that although called serverless, physical servers are still used but developers do not need to be aware of them.

In the early days of the web, anyone who wanted to build a web application had to own the physical hardware required to run a server, which is a cumbersome and expensive undertaking.

Then came the cloud, where fixed numbers of servers or amounts of server space could be rented remotely. Developers and companies who rent these fixed units of server space generally over-purchase to ensure that a spike in traffic or activity wouldn't exceed their monthly limits and break their applications. This meant that much of the server space that was paid for usually went to waste. Cloud vendors have introduced auto-scaling models to address the issue, but even with auto-scaling an unwanted spike in activity, such as a DDoS Attack, could end up being very expensive.

Serverless computing allows developers to purchase backend services on a flexible 'pay-as-you-go' basis, meaning that developers



only have to pay for the services they use.

This is like switching from a cell phone data plan with a monthly fixed limit, to one that only charges for each byte of data that actually gets used.

The term 'serverless' is somewhat misleading, as there are still servers providing these backend services, but all of the server space and infrastructure concerns are handled by the vendor. Serverless means that the developers can do their work without having to worry about servers at all.

What are backend services? What's the difference between frontend and backend?

Application development is generally split into two realms: the frontend and the backend. The frontend is the part of the application that users see and interact with, such as the visual layout. The backend is the part that the user doesn't see; this includes the server where the application's files live and the database where user data and business logic is persisted.

What kind of backend services can

serverless computing provide?

Most serverless providers offer database and storage services to their customers, and many also have Function-as-a-Service (FaaS) platforms, like Cloudflare Workers. These platforms can execute pieces of code on the edge without storing any data.

What are the advantages of serverless computing?

Lower costs - Serverless computing is generally very cost-effective, as traditional cloud providers of backend services (server allocation) often result in the user paying for unused space or idle CPU time.

Simplified scalability - Developers using serverless architecture don't have to worry about policies to scale up their code. The serverless vendor handles all of the scaling on demand.

Simplified backend code - With FaaS, developers can create simple functions that independently perform a single purpose, like making an API call.

Quicker turnaround - Serverless architecture can significantly cut time to market. Instead of needing a complicated deploy process to roll out bug fixes and new features, developers can add and modify code on a piecemeal basis.

Drones, Superpower?

Straight out of Sci-Fi Drones can be the future of technology.

Unmanned Aerial Vehicle(UAV) which are known worldwide as Drones are the emerging technology in society. These are very popular with professional aerial cinematographers. While slightly old now, it uses plenty of advanced technology which is present in the very latest drones.

Essentially, a drone is a flying robot that can be remotely controlled or fly autonomously through software-controlled flight plans in their embedded systems, working in conjunction with onboard sensors and GPS.

It is a radio-controlled pilotless airplane, based on RC technology from the inventor Nikola Tesla.

Drone technology has been used by defence organizations and tech-savvy consumers for quite some time. However, the benefits of



this technology extend well beyond just these sectors.

With the rising accessibility of drones, many of the most dangerous and high-paying jobs within the commercial sector are ripe for displacement by drone technology. The use cases for safe, cost-effective solutions range from data collection to delivery. And as autonomy and collision-avoidance technologies improve, so too will drones' ability to perform increasingly complex tasks.



There are few pieces of technology that excite tech lovers and the general public quite like drones. These unmanned aerial marvels ignite the imaginations of people the world over — and the truth is that we are only scratching the surface of their potential. Rather than flying playthings, drone technology is being unlocked for practical uses in aerial data and information management.

While drones have been around for a few years, algorithms and programming are only just now starting to catch up to drone capabilities, presenting exciting possibilities — not only for the next 12 months, but the next decade.

A new eye in the sky

Drones by design allow researchers to take to the skies and capture visual information. With the right computing power and programming, this translates any landscape into a data point that can then be used in several ways. It's not all that new to pull information from the visual realm — in fact, this is already happening to a large degree when you look at image-based platforms where images and video are converted into 1s and 0s.

Drone technology, however, makes it easier to capture visual information, mine, and utilize data through enhanced computer models.

This repeated and ongoing visual access can be seen best in a case out of Canada, where unmanned aerial vehicles are monitoring vegetative health. [As reported in October](#), several industry leaders completed

a 4G proof-of-concept mission in Malagasy, Nova Scotia, to demonstrate a real-world application of drone technology for a project called the “[Digital Vineyard of the Future](#)”. [Crossing the chasm into mainstream use](#)

Applications of the technology are finally catching up with the technology itself. Possibilities of tomorrow don't necessarily mean *Star Trek* technology instead, people should be excited by the capabilities of drones getting scaled up and widespread.

Drone technology a holistic solution

Drones are starting to play a larger role in mapping out a holistic picture built from multiple data sources, and this is expected to continue into 2019. However, it's important to remember that the solution is not always about the drone.

To accomplish use cases, information will likely come from a combination of ground-based images, manned aerial vehicle images, and previously mapped data points.

The perception needs to move away from the idea that a drone is simply taking a photo of something — now, it's much more than that. Drone technology has the ability to map out many data points, so collating these accurately and quickly is exciting. The next few years will be all about connecting the information dots to quickly present a full picture. The next few years will be all about connecting the information dots to quickly present a full picture. This will offer a multitude of industries the ability to efficiently collect and understand information pertinent to their specific needs.

RPA, a Revolution in Business Process Automation

Robotic process automation (RPA) doesn't sneak up on many people anymore. It's already a hot topic in IT and business circles: Gartner pegged RPA as the fastest-growing enterprise software category last year, and there are plenty of other numbers that speak to widespread interest in the technology already.

It is defined as, “an emerging form of business process automation technology based on the notion of *software robots* or artificial intelligence (AI) workers.”

Robotic Process Automation (**RPA**), a technology that **uses** software robots to automate repetitive tasks and manual processes—enhancing the work of your employees by interacting with websites, business and desktop applications, databases and people to execute repetitive and often mundane work.

It allows employees in a company to configure computer software or a “robot” to capture and interpret existing applications for processing a transaction, manipulating data, triggering responses and communicating with other digital systems.

For IT support and Management, RPA can improve service desk operations and the monitoring of network devices. Separating scalability from human resources

allows a company to handle short-term demand without extra recruiting or training.

One of the first steps towards the innovation which would eventually lead to the creation of **RPA** was Machine Learning (ML). It's widely credited that the name was first **coined** in 1959 by Arthur Samuel, pioneer in the field of artificial intelligence who at the time was working for infamous computer company, IBM

RPA Developer

Generally, RPA developers are responsible for the creation, design, development, and implementation of RPA systems. They are required to investigate, analyse, and set up automated processes to maximize efficiency for a business model. This is done with the help of RPA technologies and tools.

A New Way to Look at RPA

RPA adopts the typical Automation adoption Profile, the most common obstacles, the best practices for accelerating adoption, so companies can better understand where they stand and where they're going.

Rather than looking at the RPA technology



itself or the use cases in which the technology is applied, RPA is capable from the perspective of the enterprise, specifically, determining if and how

companies are realizing business value from their automation investments.

One of the most interesting findings to come out of the study is how Bot 3.0 companies look at RPA-related business goals. On average, companies that are just starting out with RPA (Bot 0.0 and 1.0 companies) prioritize cost savings as the primary business goal, and expect their automation initiatives to realize significant, double-digit savings. **As companies move up upto capability model, they begin to consider RPA less as a lever to reduce near-term costs or replace ITO or BPO services and more as a tool to avoid costs and improve productivity, data accuracy and compliance.** In essence, Bot 3.0 companies are using RPA as a tool to help them grow and scale faster.



The full study reveals many more interesting findings about the current landscape of enterprise automation.

RPA Testing

As companies continue to adopt and implement RPA into their organizations, proper testing methods and techniques become even more important to make the transition to RPA as successful as possible. Although RPA testing practices are similar to that of other types of software testing, they are different in other ways.

This includes:

1. Understand the business

process. As a process is being automated, it will go through many changes. Once the team understands the business process, it can move on to the next step, creating the test scenarios to test the code against the business rules.

2. Test scenarios. Now it's time to verify the automation has been developed according to the business rules documented in the design documents.

3. Test scripts. This stage requires putting together the information you've previously gathered. The test script is made up of numerous test cases with a variety of explicit outcomes.

4. Test the data. Test data is the fuel for the fire. Without valid test data, automation

testing can lead to inaccurate test results, which can lead to invalid defects, often creating a strain on the testing timeline.

5. Manage defects. As expected with any automation testing, defects will be found. The team must document the defects and notify the development team. The key to effective defect management is detail

A lot goes into successfully deploying a new automation. Though testing is the final step of the deployment process, it is an essential one. ISG helps enterprises apply lessons learned to ensure a smooth and effective testing cycle for any RPA project.

Elysian

ART SECTION



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Elysian

It is the greek word for "ART" which defines beauty present around us.

Pen is usually said as a sword for an artist because artist can do what no one can. The vision of an artist is seen in his art, specially it can be said that for them art is a poem without words. Great artists in this world have used their creativity to tell people how beautiful the world of art is, and how is the world without art.

"Creativity takes courage"

And when the creativity is at its peak the great artists of all time are born. An artist is hidden in everybody the thing is that you just need to figure a way out for your creations.

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□ **Renu Mahore**, CSE, 2nd yr.



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□ **Vishakha Dhande**, CSE, 2nd yr.



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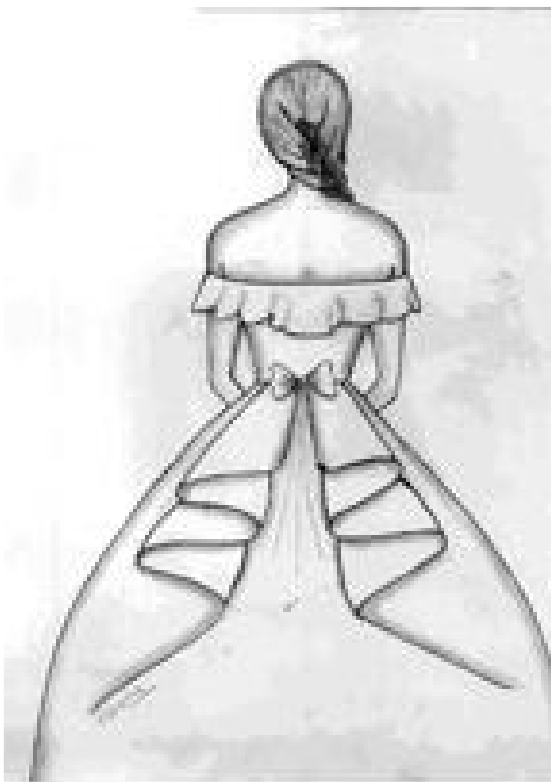
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□ **Rajat Jagtap**, Mech., 3rd yr.



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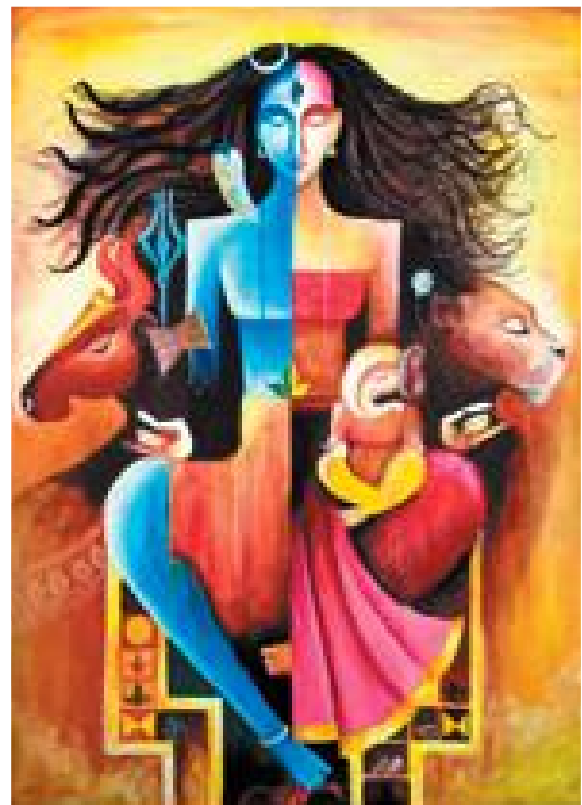
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□ **Monali Bhutada**, EXTC, 2nd yr.



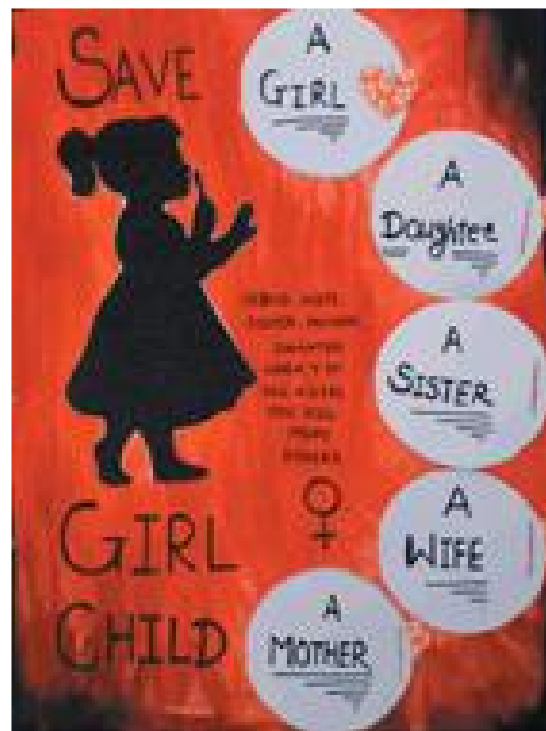
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