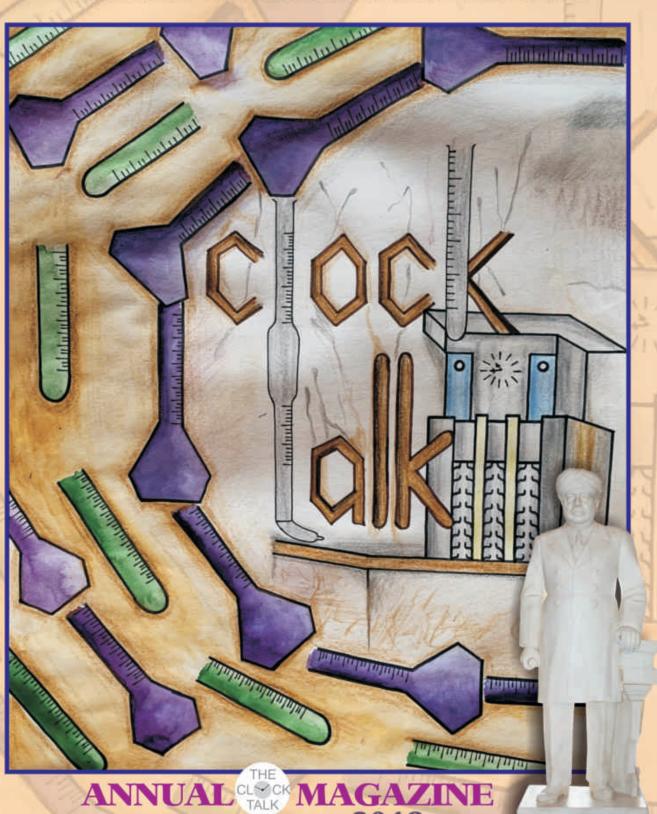


LAXMINARAYAN INSTITUTE **OF TECHNOLOGY**



RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY



2018



अक्षाय अ



ANNUAL MAGAZINE 2018

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Our Inspiration

Rao Bahadur D. Laxminarayan

-The philanthropist with a vision

Laxminarayan Institute of Technology, founded in 1942 owes its existence to the munificent donation of late Shri Rao Bahadur D. Laxminarayan, a person of adamantine will who, through sheer hard work overcame herculean difficulties, amassing a considerable fortune and rising to prominence in the public affairs of the Province.

During his lifetime, it occurred to him that the backwardness of the Province was in large measure due to the lack of higher training and research in technology. His work brought him in contact with problems which required the aid of technologists to be solved, and in order that this want should not stand in the way of progress, he bequeathed the main part of his property, then estimated at Rs. 35,20,540 to the Nagpur University by his will dated 3rd May 1930, for the purpose of "Teaching of Applied Science and Chemistry".

An industrialist with a revolutionary vision, Laxminarayan ji brought a progressive change in the field of research and technology. It was his belief that 'Development can only take place if we progress towards cultivating science and technology'. The institute will always revere him for we owe our existence to him.

About Jaxminarayan Institute of Technology

Laxminarayan Institute of Technology is one of the premier educational institutes of India, offering Bachelors, Masters and Doctorate Degrees in the field of Chemical Engineering and its related branches. Founded in 1942 and willed into existence by the efforts and dream of late Shri Rao Bahadur D. Laxminarayan and his family, this institute was set up with the goal of producing pioneers in the field of technology. Our Institute has always strived towards this goal and will continue to do so in the years to come, always endeavoring to achieve the dream our founder Shri Rao Bahadur D. Laxminarayan.

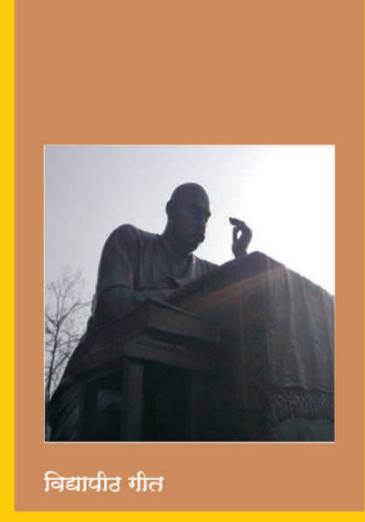
Our Vision

The vision of L.I.T. is to provide integrated education of the highest quality at all levels in the field Chemical Engineering and Chemical Technology and to become a leading Center of Excellence in the country. Also to improve and prepare the students to function effectively in the multifarious modern work environment with ability to shoulder professional leadership roles and to create the center of excellence that cultivates innovations in chemical, biochemical, environment, materials and energy engineering.

Our Mission

- The Institute is committed to provide quality education, to conduct research and development activities to meet the needs of chemical process industry.
- To provide eminence technical education in Chemical Engineering stream.
- To build technocrats as per the needs of changing scenario of industries and rapid technical changes at national and international level.
- To inculcate innovative cultured personality with versatile academic performance as well as entrepreneurial skills for social benefits.
- To provide high quality education to the students for ethical professional practice and to establish scientific and technological basis for chemical engineering practice.





या भारतात बंधुभाव नित्य वसू दे। दे वरचि असा दे। हे सर्व पंथ-संप्रदाय एक दिसू दे. मतभेद नसू दे ।। धृ.।।

From The Director's Desk ...



I am extremely happy to know that Laxminarayan Institute of Technology is bringing out its magazine this year. A magazine carries the contributions reflecting ethos and aspirations of the students and faculty of an institution. The role of a magazine is vital in promoting what an institution offers and to provide a platform for the creative expressions of students. I am happy to note that there is a dedicated team of staff and students who have put their efforts and have brought out this edition.

"The Clock Talk" represents the collective work of the editorial team. I congratulate all the members of the editorial team and wish this magazine a grand success. I also wish all the students of Final Year success in their future endeavors.

Dr. Raju B. Mankar Director, LIT, Nagpur





From The Coordinator's Desk ...



"To give real service, you must add something which cannot be bought or measured with money."

-Mokshagundam Visvesvarayya

I am proud to present to you the first edition of our college magazine "THE CLOCK TALK" and I am humbled to be chosen as the coordinator, a responsibility which I hope I will be able to fulfil to my best!

The process of starting a magazine naturally begins with formation of various committees, selection of appropriate title, proper cover page soon and so forth, and we had a contest to decide the title and impressive cover page of the magazine. I have always trusted my students for their dedication and hard-work but to see them take time out and dedicate themselves to achieve a dream; that is something special because it brings out the creative best from them. It has been an enjoyable ride to interact with such an energetic bunch who have done an amazing job to bring this magazine to reality and I hope that the first edition is an inspiration for coming generation of students!

An educational institute is a place where one learns about the totality and the wholeness of life. Academic excellence is necessary but an institute includes much more than that. It is a place where teacher and student explore the world of knowledge as well as develop their own thinking and imagination. The main motive of a college magazine is to inform, inspire and contain reader of this magazine in each and every way. Through this magazine we tried to bring out certain aspects of the college to the knowledge of the readers so that they may understand the college even better. I am happy to see the amount of enthusiasm of students of the college in contributing heart touching poems, articles with very important social messages, blogs, technical reports etc. This magazine also recorded achievements of students and staff, who have taken monumental efforts to make our institute a centre of excellence in education and research.

Presenting the first edition of our annual college magazine "The Clock Talks" to the readers, I am highly thankful to our torch bearer & Director Dr. Raju B. Mankar for his constant support and the confidence shown on me by assigning the responsibility of magazine coordinator. I thank the editorial bond of teachers for their kind cooperation and for strengthening student teacher relationship.

I thank all the staff members who have sent their department reports inputs about various activities conducted in the departments, achievements of students and staff of their departments. I would like to thank all the students who have contributed articles, poems, blogs etc. for magazine. Last but not the least, I am highly thankful to my beloved Students of magazine committee for their hard work in enriching this issues.

Co-ordinator Prof. Shubha P. Dautpure

Faculty Editorial Panel









Dr N. ThejoKalyani Chief Editor - English Assistant Professor Applied Physics



Dr. Shilpa A. Pande Chief Editor - Marathi Head of Department Applied Physics



Dr. Pratibha S. Agrawal Chief Editor - Hindi Head of Department Physical Chemistry



The Team



Bottom Row: Dr. N. ThejoKalyani, Dr. Pratibha S. Agrawal, Dr. Raju B. Mankar, Dr. Shubha (Kotambkar) Dautpure, Dr. Shilpa A. Pande

Middle Row: Disha Ghosh, Shruti Pandey, MrunalHulke, Samiksha Band, Shivani Hurmade, Shreya Marar, Rahi Kulkarni

Top Row: Mithilesh Kogje, Kunal Sharma, Piyush Amrutkar, Vedant Adhau, Pranay Raut, Om Chaturvedi, Shivank Sharma, Ayush Kothari



Students Editorial Panel

Position	Name	Year
Panel Chief	Shivank Sharma	4th
Editors	Ayush Kothari (English)	4th
	Disha Ghosh (English)	4th
	Shivank Sharma (Hindi)	4th
	Mithilesh Kogje (Marathi)	4th
	Shruti Pandey	3rd
English Panel	Om Chaturvedi	2nd
	Rahi Kulkarni	2nd
	Renuka Gajaralwar	2nd
	Shreya Marar	2nd
Hindi Panel	Samiksha Band	3rd
	Vedant Adhau	2nd
Marathi Panel	Pranay Raut	2nd
	Piyush Amrutkar	2nd
	Mrunal Hulke	2nd



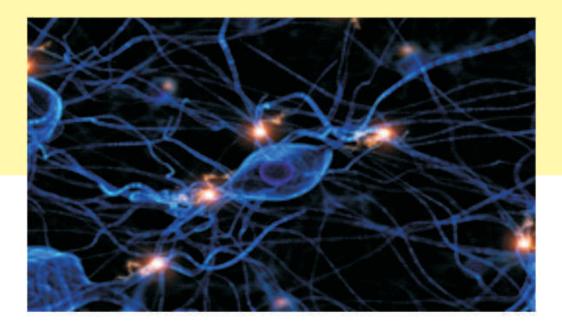


Part one

Technical Section



Application of Artificial Neural Network in Modelling and Estimation of Data of Adsorption and Distillation Processes



Rapid industrialization is seriously contributing to the release of heavy metals into the main water bodies. Increasing concentration of toxic heavy metals in the water sources constitutes severe health hazard due to their toxicity. Adsorption is one of the methods in effective removal of metal ions from water. Estimation of adsorption isotherms which are adsorbent & adsorbate combination specific, become prerequisite in designing adsorption processes. The conventional mathematical model fails very often in developing correlation because of complexity and nonlinearity governing this process. Artificial Neural Network is the black box modeling tool that can address to the modeling of the operations involving multivariable nonlinear relationship and also can incorporate linguistic variables in coded number form. The novel feature of this work is in highlighting the potential of ANN models in substituting adsorption isotherms that will enable the user to incorporate linguistic variables coded with numbers for multiple adsorbents & adsorbates into a single model with ease & high accuracy.

In modern chemical industries the purity of the distillate is the main objective and time to estimate the distillate composition is also the constraint. Therefore, Levenberg—Marquardt (LM) approach is proposed for predictive inferential control of distillation process. The developed estimator using LM approach predicts the composition of distillate using column pressure, reboiler duty, and reflux flow along with the temperature profile of the distillation column as inputs.

Shruti Pandey (3rd year CE)

OIL SPILL



Our planet, Earth, has large reserves of oil and gas trapped deep beneath its surface. Occasionally, these reserves develop cracks and some of the oil or gas seep out. However, this is a part of nature and rarely causes any major damage. On the other hand, there are times when the same problem is caused because of human interference and it can cause a great deal of damage to marine ecosystems. This is because when an oil spill occurs, it causes a multitude of problems for the environment and us. An oil spill happens when liquid petroleum is released into the environment by vehicle, vessel or pipeline. It happens due to human negligence and is a major form of pollution. What is common in all of them is that the damage caused by them is permanent and takes a long time to clean up.

As oil spill, it floats on water and prevents sunlight to pass through it. The shiny substance that you see sometimes on top layer of water is nothing but oil which makes it difficult for plants and sea animals to survive. Cleaning up of oil spill is no easy task. Various factors need to be considered before carrying out operations. Some of them being amount of oil spilled, temperature of water, type of beaches and many more.

In general, oil spills can affect animals and plants in two ways: from the oil itself and from the response or cleanup operations. Understanding both types of impacts can help spill responders minimize overall impacts to ecological communities and help them to recover much more quickly. Spilled oil can harm living things because its chemical constituents are poisonous. This can affect organisms both from internal exposure to oil through ingestion or inhalation and from external exposure through skin and eye irritation. Oil spill can prove fatal for plant, animal and human life. The substance is so toxic that it can cause massive loss of species that live in the sea. Oil spill penetrates into the plumage and fur of birds, breaks down the insulating capabilities of feather which makes them heavier, disallow them to fly and kill them via poisoning or hypothermia.

Effects of Oil Spills

- 1. Environmental Effects
- 2. Effect on Economy
- 3. Effect on Tourism Industry

Since most oils float, the creatures most affected by oil are animals like sea otters and seabirds that are found on the sea surface or on shorelines if the oil comes ashore.

Measures Taken: Most states have regulations about the specific procedures to follow. Untrained people should not try to capture any oiled bird or animal. At most U.S. spills, a bird and/or mammal rehabilitation centre is set up to care for oiled animals.

Different methods used against oil spill: Garbage, fire, nuclear bomb explosion Cold water washing, warm water washing, manually removal, chemical clean up using surfactants these are possible solutions to stop the oil spill Corncobs, straw and other absorbents, for instance, can hold only about 5 times their own weight and pick up water, as well as oil. Those materials then become industrial waste that must be disposed of in special landfills or burned. Polymer material can be used but it again generates another solid waste.

Why solid waste adsorbents only: Walton County, located on the Florida panhandle, has already started spraying hay into the water if it arrives at the shoreline. We selected from everyday items to build oil containment and clean-up systems, evaluate the effectiveness of these solution and presenting the findings. Also feathers can act as good adsorbent so, we used hair, feathers for oil removal.

Shivank Sharma (4th year CE)



ZEOLITES



SYNTHETIC ZEOLITES

Heat the glass of water and you'll see the steam rise off it sooner or later as it comes to boil. You certainly don't expect the same thing to happen to stone unless it's a special kind of rock called zeolite, which traps water inside it. Back In 1756, Swedish geologist Axel Cronstedt (1722–1765)—best known as the discoverer of nickel—coined the name "zeolite" because it literally means "boiling stone". Taking closer look on what are zeolites? And how do they work?

What are zeolites?

Zeolites are hydrated aluminosilicate raisins that are made from interlinked tetrahedraof alumina (AlO₄) and silica (SiO₄). In simpler words, they're solids with a relatively open, three-dimensional crystal structure built from the elements <u>aluminum</u>, oxygen, and silicon, with alkali or alkaline-Earth metals (such as sodium, potassium, and magnesium) plus <u>water</u> molecules trapped in the gaps between them.

The most interesting thing about zeolites is their open, cage-like, "framework" structure and the way it can trap other molecules inside it. Zeolites can exchange other positively charged ions for the metal ions originally trapped inside themand, as Cronstedt found over 250 years ago, they can gain or lose their water molecules very easily too. Zeolites have regular openings in them of fixed size, which let small molecules pass straight through but trap larger ones; that's why they're sometimes referred to as **molecular sieves**. Unlike natural zeolites, which occur in random forms and mixed sizes, synthetic zeolites are manufactured in very precise and uniform sizes (typically from about 1µm to 1mm) to suit a particular application; in other words, they're made a certain size to trap molecules of a certain (smaller) size inside them.

The cage-like structure of zeolites makes them useful in all sorts of ways. One of the biggest everyday uses for zeolites is in water softeners and water filters. In ion-exchange water softeners, for example, hard water (rich in calcium and magnesium ions) is piped through a column filled with sodium-containing zeolites. The zeolites trap the calcium and magnesium ions and release sodium ions in their place, so the water becomes softer but richer in sodium. Many everyday laundry and dishwasher detergents contain zeolites to remove calcium and magnesium and soften water so they work more effectively.

Some very common, everyday uses of zeolites are in odor control and pet litter; in both, the porous crystalline structure of the zeolites helps by trapping unwanted liquids and odor molecules. This simple idea, so effective in our homes, has much more important uses outside them: zeolites have proved extremely effective at removing radioactive particles from <u>nuclearwaste</u> and cleaning up soils contaminated with toxic heavy metals.

Another important use for zeolites is as catalysts in drug (pharmaceutical) production and in the petrochemical industry, where they're used in **catalytic crackers** to break large hydrocarbon molecules into gasoline, <u>diesel</u>, kerosene, waxes and all kinds of other byproducts of petroleum. Again, it's the porous structure of zeolites that proves important. The many pores in a zeolite's open structure are like millions of tiny test tubes where <u>atoms and molecules</u> become trapped and chemical reactions readily take place. Since the pores in a particular zeolite are of a fixed size and shape, zeolite catalysts can work selectively on certain molecules, which is why they're sometimes referred to as **shape-selective catalysts** (they can select the molecules they work on in other ways beside shape and size, however). Like all catalysts, zeolites are reusable over and over again.

Piyush Amrutkar 2nd Year C.E.

BIO CERAMICS

Piyush Amrutkar 2nd Year C.E.

Bioceramics are an important subset of biomaterials. Bioceramics range in biocompatibility from the ceramic oxides, which are inert in the body, to the other extreme of resorbable materials, which are eventually replaced by the body after they have assisted repair.

Bioceramic applications are Cranial repair, Eye lens, Ear implants, Facial reconstruction, Dental implants, Jaw augmentation, Periodontal pockets, Percutaneous devices, Spinal surgery, Iliac crest repair, Space fillers, Orthopedic support purposes, Orthopedic fillers, Artificial tendons, Joints.

Bioceramics Development and Applications is an Open Access peer-reviewed journal that publishes original research works in the areas related to Bioceramic and other biocompatible materials. The journal also covers the current research in biomaterials and their interactions with biological systems, their chemical composition, structure and analysis. Bioceramics Development and Applications also addresses the current cutting-edge research in bioceramics, their clinical and medical applications in surgery, drug-delivery in diseases, gene therapy, tissue engineering and regenerative medicine. It also focuses on the research in the biomaterials and biopolymer composites covering the chemical, physical and biological perspectives and their applications in different clinical and medical fields.

Bioceramics and bioglasses are ceramic materials that are biocompatible. Bioceramics are an important subset of biomaterials. Bioceramics range in biocompatibility from the ceramic oxides, which are inert in the body, to the other extreme of resorbable materials, which are eventually replaced by the materials which they were used to repairing.



Part two Creative Section



HOW TO BE SUCCESSFUL AND NOT TO WORRY SO MUCH ABOUT IT

In 1980s in New York, a young talented guitarist was kicked out of his band, apparently because the other band members were jealous of all the attraction he alone was garnering. Puzzled, upset and mostly angry, he determined to take revenge of this injustice, by forming his own band and making it more successful than the one he was kicked out of. And so he started working very hard, assembled a team of the best musicians, wrote hundreds of songs, practiced day and night, trotted around the



world, winning awards. This young guy was Dave Mustaine, lead guitarist in the legendary heavy metal band *Megadeth*. And even after this success, in an interview, he admitted to be deeply unhappy and attempting suicide. Because unfortunately, the band he was kicked out of was *Metallica*. Metallica was way bigger than Megadeth and this always bit Dave. Albeit all his wealth, stardom and fame, Dave was inherently unhappy about his success. And the reason was that he had a wrong metric of success.

How we define success for ourselves is increasingly becoming more important than how much of it we achieve. Humans are apes. We all like to think that we are all intelligent and sophisticated with our technology and designer clothes, but the basic instinct of all of us is like those of apes—to compare our success with that of others. And that is the root of all our misery. So when you started reading this passage, you might've thought that you might get a step to step guide to becoming successful or a brilliant story of someone successful, who you can follow to become successful. Unfortunately, this article is not going to be about it.

What does success mean to you? Take 3 minutes and think of an answer. Be honest to yourself, there is no one to judge. Does success to you mean having a comfortable life with all the luxuries? Or to be filthy rich and famous? Is having a good and healthy marriage and a very content relationship with all your family success to you? Would you say you're successful if you are able to give back to the society or your country? Or you could've had something like, 'happiness and a content life', which is a super hit in interviews. Whatever it was, does not matter. Whatever your goals, they are all yours to decide. I am not be condescending about that. Dream of whatever you want, no matter how selfish it might sound. What is very important though, and the whole point of this exercise is not to identify what you want, but contemplating what you're willing to do to achieve those goals. Everybody enjoys what feels good. Everyone wants to have a carefree, happy and easy life, making boatloads of money, have amazing relationships, look perfect and be popular and well-respected and admired by others.

Everybody wants that. It's damn easy to want that.

So setting goals, as asked to do by many coaches and experts is a mere futile exercise if you don't ask yourself, "What struggle are you willininess doesn't sprout from daisies and rainbows. You have to endure struggle for it. And it mostly isn't a one-time investment. It's continuous. You want a gorgeous physique – you need to sweat it out at the gym and restrain your taste buds. You want an amazing relationship – You'll need to invest energy and time into it and face the insecurities, inhibitions and take efforts. Nothing g to go through?" or "What kind of problems do you want in your life?" Because joy and happ worth having comes easy.

I wouldn't be wrong in saying almost all of you know Jethalal and his constant misadventures. Thankfully he has Taarak to aid him in his problems. More often than not, we don't have that Taarak. And we whine about it. We play victim because of all the problems in our life. Why me? Is what we exclaim literally every day. We hate problems and try to run away from them. We try to find quick fixes to it. We search for the momentary highs. And that is what the entire problem is. We want to be felt happy, special and important. We want more and more positive experiences. One after another. And that ironically, itself is a negative experience. Interestingly, acceptance of our negative experiences is a positive experience.

So, how to be successful? To be honest, I don't know. Nobody does. People can tell you things that might help you, but to achieve what you want, there's no blueprint. If there's a blank dot on a white paper, unlike what people preach - to focus on the white part instead of that small tiny dot, I'll suggest you focus on that very dot. Don't see the dot as an adversity, but as a challenge. That's our survival instinct that has helped us live through all the ages. Focus on problems and enjoy solving them. Don't run away from them. And if you choose the right set of problems, I'm sure you'll reach where you plan to.

Akshay Raje
B.Tech. Chemical Engineering,
Batch 2018.



Ray of hope

Dejected, I was walking towards Marine Drive from Nariman Point. While walking on the promenade I kept looking at the Sea on my left and the Queens necklace on my right. The state of my disappointment was such that the bright Queens necklace was no longer captivating to me, I was more drawn towards the pitch darkness of the Sea.

I had just been fired from my "low paying job" and the icing on the cake was that my parents were under the impression that I was going to receive a promotion very soon.

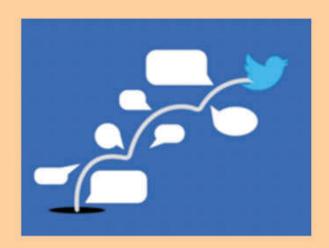
Sitting on the promenade in a quite area, I was complaining to God when I heard a soft whisper. I was shocked as there was no one near me. Then came another word, "Hello", then another, "What are you doing?", It took me a while to discover the fact that it was the waves talking to me over the course of their ebb and flow. I couldn't believe my ears but the waves were indeed talking. Finally, I mustered the courage and told them about my plight and why I was there. The waves remained silent for a while. They answered, "My friend, a smooth sea never made a skilled mariner. This is one of your testing times in your life, just like the storm in our seas. These moments shall pass. Digest all that life has to offer, the good, the bad and the ugly. But remember one thing, never lose hope. Oh! And also tell your parents the truth. Make them believe that one day you will truly make them proud."

After saying all these, they fell silent once again. I tried talking to them further but they did not respond. Smiling, I stood up and started walking homewards with renewed hope. I would never forget their advice. The waves through their experience had helped me in restoring my faith in life, in the seas of Marine drive.



TRISHA DUTTA

First Year, B.Tech Chemical Engineering



TWITTER: The new trend

-Hamzah Baig

2nd Year, Chemical Engineering,

You misspelled a word while posting something. Sorry, you would get trolled now , there is no impunity here . Welcome to the world of Twitter. With millions of Indians coming online, the twitterati in India has grown by manifolds. From athletes, to actors, to politicians , to those middle class common man and of course the peppy teenagers all are here on Twitter with the dexterity to type tweets quickly. Whether it be an announcement of new government scheme, launch of a new product or mobile phones, announcements of the sale dates, the platform for disseminating the information is this.

With the main stream media having shown a demeanour to take interest and publish any troll that transpires in this virtual world, the online platform has gained popularity and flourished. At one time it had just 6 million users but now it gloats of around 328 million regular users.

Twitter started as a project at the podcasting company Odeo, later it was thrown open to public. The founders say that they stumbled upon the word twitter and thought it was a perfect sobriquet for their product as it meant burst of inconsequential information. That's exactly what Twitter has turned out to be, you get insight into most trending topics and burning issues if you are a user.

Politicians have made the most efficient use of this platform to promote themselves. Most of the time sarcasm rules supreme, invariantly after these Elite tweet something a fierce slugfest starts and the fourth estate gets another topic to talk about. The hashtag has now become ubiquitous. You can experience myriads of campaigns running at the same time on Twitter.

One of the amazing thing Twitter has made easy is that you can talk with your favourite actor or athlete directly and when he or she replies you have a screenshot in your phone to flaunt. Though Twitter has empowered a million people but there are those who misuse it for their vested interest, by tweeting fake news, spewing Venom online and casting aspersions. We call them keyboard warriors. Sometimes you can get trolled even without having a fault. But we all love to read those tweets or trolls that leave us in splits deep in our hearts, though we may disregard it vocally. This thing has captivated us all slowly. Some think Twitter can be used for referendums, Do you?

REALITY ABOUT PLASTICS

MITHILESH KOGJE

B.TECH FINAL YEAR PLASTICS & POLYMER TECHNOLOGY

Plastic has invaded almost every part of our lives now from toothbrush to mobile phones. Plastic buckets have replaced aluminium once, plastic chairs have replaced wooden and steel ones, plastic cups and plates have taken over from stainless steel tumblers and plates and ceramic crockery.

In the recent times, many ill information and negative impression about plastic are being created in the minds of common people and society in general. So society should be made aware of some misconcepts and facts about plastics and their uses.

SR NO.	MISCONCEPTS	FACTS
1.	Plastics emit poisonous gaseous.	Plastics commodity products and bags do not produce any toxic fumes as such by burning, carbon and hydrogen are constituents of plastics convert into carbon dioxide (CO2) and water (H2O).
2.	The largest component of all municipal solid waste is plastic.	Even in developed countries, the plastic waste by weight is about 7% as against the paper and paper board (36%), metals (10%) and glass (8%). In India the plastic waste in municipal solid waste is about 1%
3.	Plastics should not be used for food contact, pharmaceutical and drinking water applications.	Almost all the plastic materials are approved for food contact, pharmaceutical and drinking water applications. In fact they are also used for human body implantation.
4.	It prevents water absorption in the soil thus prevent water seeping into lakes and ponds.	Quality plastic is helpful when extensive use of plastic film/sheet being used to conserve water from draining and seeping, big lakes, dams, and canals are lined with plastic films to stop seepage of water for optimum utilization of water.
5.	It affects the development and distribution of roots in soil.	In fact plastic bags are extensively used in agriculture field as well as forest and nursery to develop & grow saplings in nursery level. Plastic bags and films are used in green houses and by horticulture/floriculture in order to increase yield.
6.	Result in death of animals.	Animals can distinguish between food and plastics, but they eat plastic due to aroma of food in it. Civic discipline and proper waste management can solve this problem out.



Now if plastics are to be replaced by alternative materials then, the resulting environmental implications are worth taking note of. "Ban plastics" slogan has brought about newer opportunities for promotion of other conventional materials like jute, paper, wood, etc.

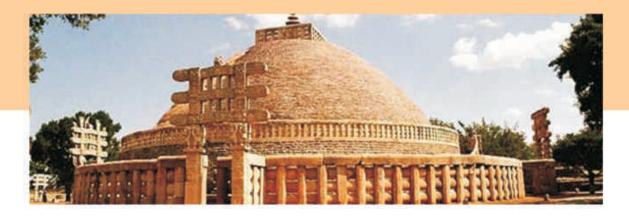
For example, if plastics to be replaced by paper, then 1000 Kilo ton per annum requirement of paper would involve following:-

- Need 15 millions of trees to be cut in a year.
- 300 million cubic meter of water will be required for processing, the volume can fetch water to 30 crore families.
- Higher energy requirement, around two times more energy required as compared to plastics conversion process.
- Paper conversion process would generate 5.8 million tons solid waste per year and 225 million cubic meter of waste water, which requires to be treated prior to disposal.

So, environmental awareness about plastics is absolutely necessary in order to conserve environment and conventional natural resources. The so called "PLASTIC BAN" is not the effective and permanent solution for this problem. Effective segregation, processing and recycling of plastic waste is must because plastics are irreplaceable due to their cost effectiveness and range of applications. Society and government should come together to effectively handle this and to spread the awareness to save mother earth.

Sanchi

-Om Chaturvedi 2nd Year Chemical Engineering



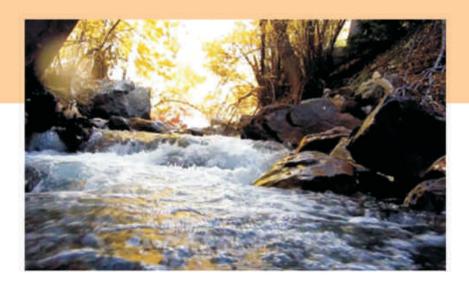
Sanchi is a small and beautiful village at the foothill and about 50 kms from the capital city of the country, Bhopal. It is a Buddhist complex beholding Great Stupa along with the richest history of the time. Sanchi is also the birthplace of a great leader's wife of Ashoka; Devi who was the daughter of a merchant of Vidisha Madhya Pradesh. It was also their wedding destination. Basically this wonderful monument is situated at Sanchi Town in Raisen District of the State of Madhya Pradesh, India and among the oldest stone structures. Built by the great emperor Ashoka in around 3rd century BCE.

This place have number of stupas including Satdhara, the Relics of Sariputra and Mahamoggallana which is now enshrined in the new Vihara. Morel Khurd is another stupa situated on the fortified hilltop with 60 more stupas. Including Andher, Mawas, Sonari etc. all within a few miles of Sanchi.

The Chattra; It is the large hemispherical umbrella-like structure that covers the burial site and completes this masterpiece. The Great Stupa has 3 circular umbrella disks which represents the three jewels which is also called Triantha of Buddhism. These Chattras are supported by a large central pillar.

Not only this but a lot more additional features are here that makes it more glorious. Lord Buddha has been symbolically represented by the use of the figures of thrones, wheels and footprints which is a beautiful and unique representation of the founder of Buddhism. In addition to this, there are four intricately decorated gateways in the four cardinal directions respectively. They are joined by a balustrade wall that encloses the entire monument. Various amazing designs and motifs are carved on the railing and gates of the Stupa. A sandstone pillar inscribed with Schism Edict by Ashoka can be found at the site only. Some of the structures like an ornate spiral from the Gupta period with Brahmi characters resembling conch shells were later installed at the location. It is also referred to as "Shankhalipi" or 'shell-script'.

Untitled.... VEDANT ADHAU 2nd Year, CHEMICAL ENGINEERING



You know our life is like a river, originating from huge mountains, we come done with a force but a narrow stream, as we grow up the stream grows wider so does our level of understanding, our little world starts to grow. Initially When a river originates it has to cut through the ground by making its basin. And slowly it widens its basin. So at start everyone has to struggle. But later on life goes on easy(if one wants it too). So talking about the path that river takes, its instantaneous not planned years before. It's not that planning is bad, it is very necessary, but let me tell you, The Most Beautiful Thing that will happen with you will be unplanned.

So brace yourself for it. The world force you to be like them but one should carve its own path. Explore the world for yourself, explore yourself. While on the path one should not constantly ask that is this the path or not but keep faith and go on with it. I m not saying that your life is going to be easy once you carve your path, there would always be obstacles, stones, but what matters here is the ability to get over it.

When we throw a stone in river it gets over it by forming ripples and vanishes it in seconds. So that's what u do with your problems...

Vanish Them Its Your Life. GET OVER IT! DONT STOP!! Keep Moving!!

Book a Ride to know about CEO of OLA: Bhavish Aggarwal

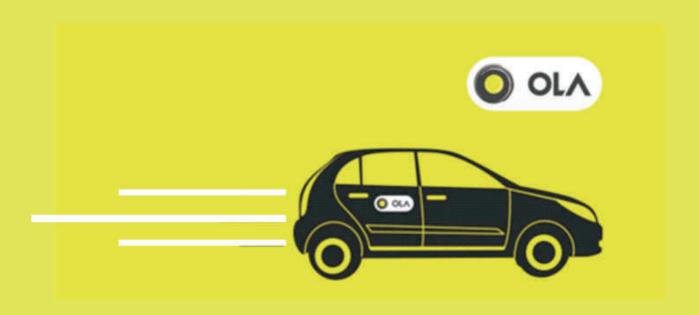
Your everyday travel partner: OLA, official owned by ANI Technologies private limited, which has now reached great height in the Indian market and made transportation now so easy and hassle free. OLA: which means Hello in Spanish, have successfully provided employment to around 10 lakhs people and behind all these successful operations there's Bhavish Aggarwal: the CEO and Co-Founder of this wonderful company with his batchmate and the Co-Founder and CTO of the company: Ankit Bhati. Get ready to know everything you must be aware about this business tycoon "Bhavish Aggarwal".

How this Ola Success Story took Birth

From the land of Ludhiana, in a middle class family, Bhavish Aggarwal: CEO of Ola Cabs was born with no supernatural powers but emerged as one of the best entrepreneurs of the world. He graduated in Computer science and engineering from one of the best engineering college of India; Indian institute of Technology Bombay (IIT-B) in 2008, and his journey out there in IIT was super interesting. He got bundles of inspiration from his seniors and more, he says, "For me inspiration was my lot of seniors who had many startup companies and few others were inspiration to me; from the IIT network that has been a huge support system for me in terms of seniors, in terms of Angel investors from which you can get money, getting meeting organised where I can say that I am from IIT Bombay network or I can get a connection to somebody else who is from IIT Bombay, thats all been a huge support system". After the graduation in CSE, Bhavish worked with Microsoft Research for 2 years in which he filed two patents and published three papers in international journals which gave him huge fame in tech-world, but he was more interested in doing a business and thus resigned from Microsoft in 2010 and pursued his dream of a startup ahead. He always wanted to establish a startup company and wanted to do something of his own and this ignition made him among the richest and young entrepreneurs of India and of course his company to great heights.

The Beginning of Ola cabs

It is truly said that Changes are hard in the beginning, messy in the middle and wonderful at the end, same scenario was with the journey of Ola cabs. Bhavish Aggarwal was just 24 years old when he started off this tremendous journey, it was initially very hard for him as he belonged to a middle-class family and being a startup is not so easy there, his parents thought that he's becoming a 'Travel Agent' and Bhavish had to convince them wrong! In the beginning Bhavish started with Olatrip.com which was all about selling the weekend and holiday trips to the costumers which was making mere profit in major cities, but the incident that was a U-turn in the journey was when Bhavish was going from Bangalore to Bandipur in a taxi-car whose driver started arguing for the renegotiation of the money in between the ride and for which Bhavish rejected to give him any extra money, then the taxi-driver left him alone in the road and moved on. After this incident Bhavish thought that to travel anywhere people don't need his Olatrip, all they need is a vehicle to take them to their destination. Then after 6 months of Olatrip, Bhavish came to Mumbai and there with his friend Ankit Bhati, who was Bhavish's batchmate in IIT-Bombay (and was so studious during the graduation period), they launched their new website of Olacabs.com and from then in 2010 they finally made successful bookings. The most defining moment for Bhavish was the first successful booking which after six to eight months of its launching established a well known reputation among the peoples. This startup was a successful solution to every person's travelling problem, now people can easily book a ride in just few minutes with good value for money.



The Rising of OLA

Now people were aware of this startup which was an amazing solution to their daily problem of navigation. In mid-2012, OLA launched their mobile app which resulted in awareness among the people in much faster rates, after which angel investors saw opportunity and started investing for the company. KunalBahl; CEO of Snapdeal became OLA's first angel investor followed by Anupam Mittal of Shaadi.com and so on. At the end of 2012, OLA was now getting funding from different Angel investors in an organized way. The challenge in front of the OLA was to get good cars and loyal drivers, for which Bhavish worked very hard to get it done. Sometimes he used to pick costumers and drop them in their desired location by his own. Eventually OLA network began to expand in different cities of India and number of cars and drivers became the part of this wonderful company. Now not only cars but auto-rickshaws, electric-vehicles, bikes etc are also included in the OLA service.

Message to Budding Entrepreneurs from Bhavish

Why not take a lesson from the person who havebuild this outstanding company with turnover of billion dollars and still on the path of development and efforts in providing the best of it. This fantastic journey of Bhavish Aggarwal was not easy, he faced many rejections; even he was unable to sell a single package of his Olatrip in a mass gathering, saw failures numerous times and took risks, but most important thing is that, he never stopped and gave whatever it takes to make the things happen. He says: "These days things are much better, families are more accepting and have seen role models emerging successfully in their business. It's not about ideas, it's about making ideas happen. Don't wait for the best time, there's no right time to start up, right time is when you feel that you want to do something and create a big business. You should aim big and solve really big important problems. Entrepreneurship is not a marathon, don't neglect the studies, what academics give you is not the grade but the analytical thinking and that is very helpful in business world also."

-Om Chaturvedi

2th YEAR, Chemical Engineering

That Night!!

TRISHA DUTTA

1" Year B. Tech. Chemical Engineering

Dejected, I was walking towards Marine Drive from Nariman Point. While walking on the promenade I kept looking at the Sea on my left and the Queens necklace on my right. The state of my disappointment was such that the bright Queens necklace was no longer captivating to me, I was more drawn towards the pitch darkness of the Sea.

I had just been fired from my "low paying job" and the icing on the cake was that my parents were under the impression that I was going to receive a promotion very soon.

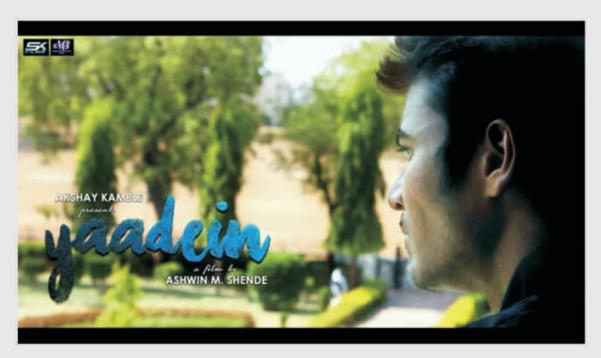
Sitting on the promenade in a quite area, I was complaining to God when I heard a soft whisper. I was shocked as there was no one near me. Then came another word, "Hello", then another, "What are you doing?", It took me a while to discover the fact that it was the waves talking to me over the course of their ebb and flow. I couldn't believe my ears but the waves were indeed talking. Finally, I mustered the courage and told them about my plight and why I was there. The waves remained silent for a while. They answered, "My friend, a smooth sea never made a skilled mariner. This is one of your testing times in your life, just like the storm in our seas. These moments shall pass. Digest all that life has to offer, the good, the bad and the ugly. But remember one thing, never lose hope. Oh! And also tell your parents the truth. Make them believe that one day you will truly make them proud."

After saying all these, they fell silent once again. I tried talking to them further but they did not respond.

Smiling, I stood up and started walking homewards with renewed hope. I would never forget their advice. The waves through their experience had helped me in restoring my faith in life, in the seas of Marine drive.



Yaandein Relive your college memories



लघुपटाविषयी-

Yaandein Relive your college memories हा लघुपट LIT महाविद्यालयाच्या सर्व विद्यार्थ्यांच्या महाविद्यालयीन आठवणींना उजाळा देऊन समर्पित करण्यात आला आहे.

चित्रीकरणाचे ठिकाणे - LIT महाविद्यालयीन परिसर, विद्यार्थी वसतिगृह, उपहारगृह, हया लघुपटाचे चित्रीकरण खालील दिलेल्या कवितेवर करण्यात आले आहे.

मेरे यारों ये साथ का पल अब एक दास्ता मैं बदल रहा, आ गया वो मोड, जिसमें अलविदा कहना पड़ रहा।

क्लास और कैंटीन वाली कहानी होगी खतम अब, अब अलग होंगी मंजिले और अलग होगा रास्ता, कैम्पस की वो सीढियां जमती जहाँ थी मैफिले, उस सीढियों का स्टेयरस् भी अब खाली करना पड़ रहा, आ गया वो मोड जिसमें अलविदा कहना पड़ रहा।

बच्चे ही थे ना जब आये थे, ये पल भी कैसे ढल गये, हाथ मैं डीग्री मिली और हम सब सयाने हो गये, सेमिस्टर के एग्जाम, सेश्नल सब कितीनी जल्दी हो गये, इक पल मे अरसा गुजरने का ये दौर भी थम रहा, आ गया वो मोड जिसमें अलविदा कहना पड रहा। मेरे दोस्तों ठिक से देख लो कहीं कुछ छूटा ना हो कहीं तुम्हारी वजह से कोई दिल रूठा ना हो, भूल कर सब रंजीशे गले मिल लो फिरसे मिलने का वादा कर लो,

क्यांकि जा रहा हैं वक्त जो वो दुबारा आने से न रहा, दिल थाम आँखे पोंछ कर अलविदा केहना पड़ रहा।

मेरे यारो ये साथ का पल अब इक दास्तां में बदल रहा, आ गया वो मोड जिसमें अलविदा कहना पड रहा।

निम्प्रता - शशिकला फिल्म्स् आणि M.S. फिल्म्स. दिग्दर्शक - अश्विन मधुकर शेंडे अभिनय- अक्षय काकासाहेब कांबळे कवी - संदीप द्विवेदी यु टयूब लिंक -https://youtube/mMtVs9WMTPW

> Akshay Kamble Passed out



Part three

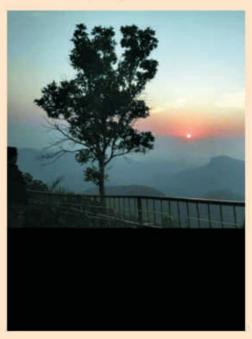
Marathi Poems



नवी सुरूवात

नवी माणसं
नवे शहर
नवी भाषा
नवी आकांक्षा
नवी संस्कृती
नवी नाती गोती
नवीन वाटणारे सर्वकाही
नव्याने सर्वांची सुरूवात...
हळूहळू नाती जुळतील
मग ती आपल्यामध्ये वळतील
नवं वाटणारं सर्वकाही जुने होऊन जाईल
हे ही होऊन जाईल
ते ही होऊन जाईल

सरला दिस झालाय अंधार



सरला दिवस झालाय अंधार
उभा राहून गडया तू वाट कुणाची पाहतोस...
वाट तुझ्या सवालीला या अंधारात
आता फक्त तुच दाखवतोस...
काळोखात ही आता तुला
तुझी सावलीच तुला ओढू पाहते आहे.
धीराने सावरून घे स्वतःला
अन दे तिमिरात झोकून देहाला...
मशालीची वाट नको पाहूस तू
तुझ्यासाठी दिवस उजाडणार आहे नवा उद्याचा...
तू चल पुढे कशाला पाहतोस मागे
पुढ्यात आहे प्रकाश सुर्याचा...



तर जीबन MS Word असतं

असं बारतं ना जीवन खरच MS Word असायला पाहिजे होतं... काही चुकलं जीवनात तर, ctrl + Z दावलं असंत बाईट बिचार मनात आला, तर कट दाबून कापलं असतं सुखं आली तर ctrl + A दाबूल, सर्वाना select केलं असतं जीवनातील हव्या हव्या क्षणांना, ctrl + ने save केलं असतं आतल्या Personal गोष्टीना copy करान, नवीन Document मध्ये Paste केलं असतं आपल्या कोणत्यातरी आवडत्या व्यक्तींना. तेच Document send केलं असतं विश्रामची गरज असती तर. Enter दाबून Gap घेतली असती नावडत्या क्षणांना Delete दाबून, काप मारली असती खरंच ना जीवन MS Word असायला पाहीजे होतं, जुने रडने नाही इधे सर्व नवं होतं जीवन जर असं सुंदर असतं ना, अनेक Print तुम्हालाही दिल्या असत्या असं सुंदर जीवन जगताना, एक काय हजार कविता लिहील्या असत्या...

सम्यक मून

2nd Year C.E.

स्त्रीजन्मा



स्त्री म्हणून जन्म घेतला स्त्री गर्भाशी पुरूष म्हणून ही जन्म घेतला त्या गर्भाशी स्त्री पुरूष मग भेद कसला?

पुसुदे मज त्यादेवाशी? पदोपदी गरज त्याला स्त्री मनाची आईच्या पदारात गाठली पत्नी म्हणुन सहवास लाभला वाप होऊनी पुन्हा एकदा तोच सुखावला सर्व स्त्री सुखे तयाच्या पायशी स्त्री पुरूष मग भेद कसला? पुसुदे मज त्या देवाशी

जन्मताच होवुदे निर्भया हिरकनी वुरूज चढावया आकाशातील मीच कल्पना राणलक्ष्मी इंदीरा होऊदे लढावय्या पुन्हा एकदा जगा ममता लाभू दे मद्दर तेरेसाची स्त्री पुरूष मग भेद कसला?

पुसुदे मज त्या देवशी सख्या - सोबती माझा माझ्या जीवे ऊठीला कापव्या अंकुर अंतरीचे तो स्थीरावला दैवीशक्ती म्हणुनी पुजती पुजशी त्या सावित्री सरस्वतीशी ती तर एकरूप मजशी स्त्री पुरूष मग भेद कसला? पुसुदे मज त्या देवाशी?

पाजवया माझ्या बाळास पान्हा स्त्रीजन्मी येईल पुन्हाशी स्त्री पुरूष मग भेद कसला? पुसुदे मज त्या देवाशी?

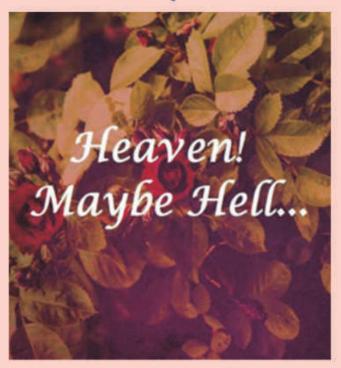
> Prajakta Bendre 3rd Year (C.E.)



Part four English Poems



May be



-Sanket Kondawar Final Year B.Tech, Chemical Technology

may be, hell isn't a place for dead, maybe, it's a home for the living, who wake up every morning to kill themselves, over and over again, by embracing broken dreams, screaming in desperation, talking of a time "someone" might finally bring a perfect tomorrow.. or maybe... heaven isn't a place to be found, it's a home for the lost who sleeps every night to free themselves over and over againby forgiving faith's decision to replace choices with reasons to realise the inevitable which we so desperately run from....

the degrest for me



Shruti Chaudhari 1st Year Chemical Technology

My brother is the best gift I ever had Sometimes he behaves much mature and sometimes he goes mad

He is a bit emotional but really very bold He is such a person for whom my heart can be sold

He is one of the responsible person I know in my life Whenever he thinks about my future he becomes very wise

It is difficult to say that he is shy or not, but one thing is sure that his attitude just rocks He is not at all dominating but really very caring He is different from others and also he is daring

In a way he is like brothers many other He is as important for me as my father and mother

He has never expressed his love for me But I believe nobody do love me as much as he May our love be more deeper than the sea and my brother always be 'THE DEAREST FOR ME'.



Ritika Singh Thakur 2nd Year, Chemical Technology

Feel the power

No, do not kill them with kindness, at least not all at once!

'Cause they're haters and they are meant to hate. So let them do what they're supposed to and you, you keep joining the dots.

Let them stay alive to watch you grow, to watch you glow.

Let their eyes witness your aura at its greatest.

Let them linger to hear and feel your rhythm, your beat, a sound that's like nothing in this world.

Let them make fun of you until they're left dumbstruck by your actions, your actions, that are your strongest answers to the doubts raised upon you.

Keep them alive to watch the climax, and then leave them to crumble bit by bit.

And yes, do not forget to drop in a kind "thank you" before they leave!

The perfect one

- Amisha Patankar 2nd Year Chemical Engineering



She is the trust
which has to maintained must
She is like a drop of water in drought
which can't be bought
She is the feeling of peacock in rain
which should be felt again and again
She is knowledge of my book
which I can't overlook
She is like the precious time
which when wasted led to crime
She is like a lotus in a lake
up to which not everyone can make
She is my mother
I bow to her with all my heart, altogether.



Salman Arif Final Year Chemical Engineering



Amidst praising the strength of the sun,
the beauty of the moon,
we hold disdain for the selflessness of the sky.

The sky grows dark every night to only let the stars shine.
In our lives, we also have people resembling the sun,
the moon and the sky.

We being a star should always cherish,
nurture the presence of the sky.

For if the sky is not there,
the star can never shine.

Phobia

Sapna Suresh Ingole

M. Tech. 1" Year



Here I came and how to go...show me path or map me down from bushes ,mountain, valleys and crowd...

Help me up before being lost...

Wanna reach there and penned it down ...

Why shivering hands and my feet .. neitherpyralysis nor

December yet arrived

Now swiftly, am sweating on dais...

Mike in front and it's my turn....

But felt like my vocal being chocked by something I don't know

....

But when I spoke I heard my voice ...

Why it sound different like unsung song...

Then I leisurely raised my head and stared them up ...

Increased my voice and took pause for while ...

Then completed it with a smile...

Phobia is thing we need to get rid of it.

" Speak up and hear your voice b'coz it sounds beautiful "

Time is precious

PranayRaut

B. Tech. II Year Chemical Engineering



To realize the value of ONE YEAR, ask a student who failed a grade.

To realize the value of **ONE MONTH**, ask a mother who gave birth to a premature baby.

To realize the value of **ONE WEEK**, ask the editor of a weekly newspaper.

To realise the value of ONE DAY, ask the person who was born on February 29th.

To realize the value of ONE HOUR, ask the lovers who are waiting to meet.

To realize the value of ONE MINUTE, ask a person who missed the train.

To realize the value of ONE SECOND, ask a person who has survived an accident.

To realize the value of ONE MILLISECOND, ask the person who won a silver medal in the Olympics.

Space Saga

~Saniya Sheikh 2nd Year Chemical Engineering



Why is the universe the way it is? Have you ever remained curious to know?? Nobody imagined that such an incomprehensible thing can be so comprehensible.

'The theory of Relativity' which changed the way we study Physics, Imprinted the history of space-time. The nature of speed of light evolved an idea of time travel.

In this 3 Dimensional world,
Ever wondered that there could be another?
Something which can't be seen,
Can't be heard and can't be weighed.
It can only be experienced..
This 4th dimension is 'Time'.

A breakthrough in the history of space, Giving birth to black holes and wormholes. The thing which remained only in fiction, Is now on the verge of it's 'Reality'.

Beautiful Mornings

-Shreya Marar 2nd Year, Chemical Engineering



A new morning,
A fresh start
They said it's beautiful
With a happy heart
'What makes mornings beautiful?',you ask?
The restless swaying of the trees
And the careless chatter of the birds
Elated they were, free for they knew
If not now,then when?
They knew that this moment is rare,
Won't come back ever again

They lay staring at the stars
The night sky beaming at them
They tried to see what was hidden
The unique secrets beyond
As they tried to understand
They understood the beauty of mystery
They waited for the mystery to unfold
But their wait seemed endless
It felt as if the stars were mocking them
Shining as they lay confused
And that, is the mystery of Nature
That they, the humans would never understand.

Sisterhood - A blessing...

PRAJAKTA N. VAITAGE

2nd Year, Chemical Engineering



Use to have hundreds of fights; In spite our bond is tight; & now we grew up... Sitting for studies & ending up with talks; & keeping silent as the mom walks; & now we grew up... When mom & dad were not at home: Just chilled out in our own kingdom; The kingdom without any restriction; Cause was based on our own prescription; & now we grew up... The days when you treated me like princess; Doing all works all by yourself; & now I'm missing you for those; Doing everything alone like a ghost; & now I grew up... And now our places got changed; You both went & I got changed; But our bond is never changed; Never ever gonna change... Our love will be at height; As the number of our fights; It will reach above the sky; & will never gonna break... Lucky to have you both...



Part five Hindi Poems





''चींटी''

आज मैंने एक चींटी का रास्ता रोकने की कोशिश की....
पर चीटीं तो मुझे रास्ता दिखा गई.....
मेरे उसे रोकने के अनेक प्रयायों के बाद भी वो अपना रास्ता बना गई.....
मैंने तो की थी कोशिश उसे रोकने की पर वो छोटी सी चींटी मुझे जीना सीखा गई।
२. ''हौसला''
आज एक चिड़िया मेरे घर में आइ....
बहार न निकल पायी तो बोहोत छटपटाइ,
इसी बीच उसके पंख तितर-बितर हो गए...
पर उसका हौसला ना डगमगाया,
उसने थोड़ा खून बहाया,
पर आखिर में उसका हौसला काम आया...
जिसने बिना पूरे पंखों के उसे आसमान में उड़ाया।

३. पत्थर

कौन कहता है पत्थर पानी में डूब जाते हैं, सही तरह के पत्थर, सही तरह से फेंके जाए, तो वो भी ५-६ बार उछल कर दिखलाते हैं।

Rishikesh Mohod (3rd yr. CE)

जिंदगी

जिंदगी के रास्तो मै लाख परेशानी आयेगी हर वक्त हारने का पैगाम लायेगी भुल कर तु उस समय को उस उजाले कि ओर देखना जो जिंदगी को सुधारने का वक्त साथ लेगा मंजिल हो सामने तो रस्ता ना मोड ख्वाइशो का हाथ यु ना छोड जिंदगी बौहोत हसीन है अस्मा को चुने की आस ना छोड

Nivid Vaidya (2nd yr.)

बस एक बार

एक बार इमानदार रह कर तो देख अपने दिल से, एक बार उसकी आवाज सुनकर तो देख, क्या पता, फिर से तुझे तेरी जिंदगी से मोहब्बत हो जाए, क्या पता फिर से तु जीने लगे, बस एक बार, अपने लिए जी कर तो देख.....

Ajay Mishra (4th yr. passout)

मैं अस्पताल हूँ...

मन में उमडता एक सवाल हूँ फितरत से बवाल हैं। चीज बडी कमाल हूँ। मैं अस्पताल हैं। मैं अस्पताल हैं। मौतो का गवाह हूँ जीवन का प्रावाह हूँ। गुंजती किलकारी हैं। तडपती सॉसो की कराह हैं। मैंने सुनी है गूँज प्रार्थनाओं की जान की दिखाई है राह घरो की शमशान की। यहां गरीब आते है सिर पर कर्ज लेकर। अमीर आते है संपत्ती और कुछ मर्ज लेकर। कोई खुन से लतपथ आता है तो आता कोइ बेहोशी में। सबकी आंखो मै देखती है वेदना हर होंठ खुलता है सरगोशी में। आँखे भर आती है मेरी भी चुभती सुइयों कर देखकर। हाँ मैं भी रो देता हूं मरीजो के दर्द सोचकर। जब लगते है टाके दर्द मुझे भी होता है। आधी रात जब तुम्हे नींद ना आई ये मन भी बेचैनी से सोता हैं। मुझे वस दिवारो का ढांचा समझने की भूल कभी न करना तुम अगली बार जब भी आओ ध्यान से मुझे सुनना तुम। मैं सच्चे मन से हरदम आवाज तुम्हे लगाऊंगा। आंसुओ की कीमत समझूंगा हिमंत तुम्हारी बढाऊगा। मै सिर्फ एक ईमारत नहीं संवेदना हूं खयाल हूँ। मैं अस्पताल हूँ। मै अस्पताल हैं।

Ritu Tiwari (3rd yr. CT)



होस्टेल परिवार

कुछ नोकझोक, प्यारी सी तक्रार थोडा निराला - सा हमारा होस्टेल परिवार चायकी चुस्की के साथ Good Morning का Wish उम्मीद की खाने में रहे कोई तो नई डिश पर कभी कभी तुटते रहे अरमान, कह लौकी प्यार से बोलते हैं बस आज के दिन मुझे खा लो मेरी जान! कच नोकझोक प्यारी सी तकरार. थोडा निराला - सा हमारा होस्टेल परिवार... दिन के साथ वक्त बदलता गया, तकरार के साथ प्यार बढता गया Seniors juniors के नाम पर रूबाब बढते गये, gossips के साथ पड़ोसन वाले रिश्ते भी बनते गये! Roommates से रातभर बाते. Defaulters और fine से अपने अलग ही नाते कभी LP के लिये Drama तो कभी Birthday का हंगामा! कुच नोकझोक, प्यारी सी तकरार, थोडा निराला - सा हमारा होस्टेल परिवार...

Break up के बाद Roommate के गोद में रोना, हफ्ते के सारे कपड़े एक साथ धोना नौ बजते ही Attendance के लिये भागना. तो पढाई के लिये रातभर जागना! Back की Exam चाहे हो कीसी एक की, उस रात निंद ना हो पूरी दूसरो की! बाथरूम में लिये... खाने के लिये लंबी सी लाइन, But Door के Just बाहर फेका कचरा is not mine! सुबह का Alarm लगाने का हमो शौक बडा, But जो Alarm लगाये, उससे बंद कभी ना हो पाये! कोई Tension परेशानी रूक नही पाती वहा नंबर वन के जुगाड़ होते है जहा! कुच नोकझोक प्यारी सी तकरार थोडा निराला- सा हमारा होस्टेल परिवार... वैसे तो हम है यहा आझाद, आझादी की खुशी से ज्यादा सताए घर की याद! ढेर सारी बाते और कीतने खुबसुरत से सपने, जो कभी थे पराये यहा हो गये सारे दोस्त अपने! कुच नोकझोक प्यारी सी तकरार. थोडा निराला- सा हमारा होस्टेल परिवार...

Pranjali Wasade (3rd yr.)

काश ख्वाब भी बिकते बाजारों में !"

बिक रहे थे ख्वाब दूर कहीं बाजारों में खड़े हुए थे लोग लंबी लंबी कतारों में। खड़ा हुआ था मै भी चुपचाप एक कोने में देख रहा था तमाशा कैसे होड़ लगी है उसे पाने में।

लगे हुए थे बोर्ड हर एक दुकानों में बिक रहे है ख्वाब कौडियों के दामो में। खोया हुआ था मैं इस अनजान बाजारों में फिर एकाएक आवाज गूँजी मेरे कानों में।

आइये साहेब यहाँ ख्वाब बिकते है बताईये कौनसा ख्वाब दिखाऊँ। ये दिखाऊँ जो मार्केट में नया चला है या ये दिखाऊँ जो हमेशा से टिका है।

साहेब ये वाला देखिये ये वाला आप पर बड़ा जंचता है ज्यादा नहीं बड़े सस्ते में बिकता है। और बताईये भाभीजी के लिए कैसा वाला दिखाऊँ ये दिखाऊँ वो दिखाऊँ हमने सीना तान के बोलाा जो शाहजहां ने मुमताज के लिए देखा था वो दिखाओ। उसने मुझे ऊपर से नीचे देखा और बोला साहेब पहले अपनी औकात तो बताओ।

थोड़ा शर्मिंदा सा हुआ मै फिर आगे बढ़ा और बोला कुछ बच्चो के लिए दिखाओ। उसने अपने टोकरे से बचपन निकाला और बोलाा साहेब आखिरी बचा है। थोडे कम पैसे दो और ले जाओ। माता पिता की सेवा वाला एक ख्वाब पड़ा था कोने में। पूछने पर पता चला किसी की पसंद नही है इसे लेने में मैंने पुछा कही टूटे ख्वाब भी जुड़ते है किसी दुकानों में वो हँस कर बोला साहेब आप जी रहे हो किस जमाने मे। होती क्या है कीमत इन ख्वोंकी क्या ये भी पैसों में है बिकते अगर ऐसा होता तो मोलभाव करके हम भी एक दो ख्वाब खरीद ही लेते।

Ajay Mishra (4th year passed)

''पापा''



किरदारों से भरी इस दुनियाँ में एक किरदार मैने देखा है, निस्वार्थ है उनका प्रेम कोई छलावा नहीं देखा है।

जीवन के हर मोड पर हर तरह से साथ देते मैने देखा है, अपनी जरूरत को भुलाकर हमारी जरूरतों को पूरा करते देखा है।

उनके माथे में उभर चुके उन सिलवटो को मैने देखा है, हाथो के छालो को अक्सर छुपाते हुए देखा है। पर्दों के पीछे रहकर मेरी हर ख्वाहिश को पुरी करते मैने देखा है,

हर मौसम में उन्हें बस जिंदगी से लड़ते देखा है। और जबा आज पहली कमाई के पैसे मैने जब उनकी हाथों में रखे तो उनके चेहरे पे ठहरी हुइ हँसी को मैने देखा है, गर्व से उठे हुए सिर और चौड़ी होती छाती को दखा है। आज मैने उनके कंधों का बोझ कम होते हुए देखा है, हाँ, आज मैने पापा को आराम करते हुए देखा है। अजय मिश्रा चुतर्थ वर्ष पास आवट

बस एक बार एक बार इमानदार रहकर तो देख अपनें दिल से। एक बार उसकी आवाज सुनकर तो देखा क्या पता फिर से तूझे तेरी जींदगी से मोहब्बत हो जाए। क्या पता फिरसे तू जीने लगे बस एक बार अपने लिए जी कर तो देख।

Ajay Mishra (4th yr. passout)

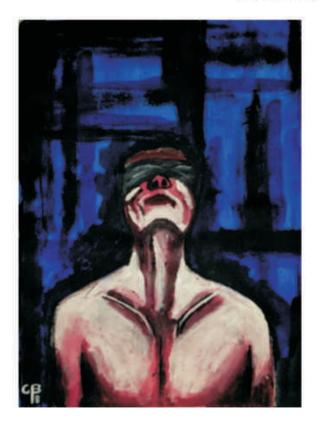


Part Six Art Gallery

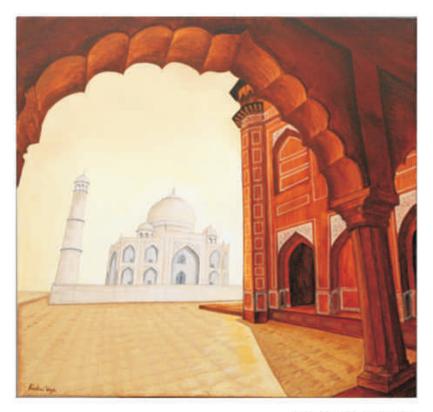




CHETAN BUCHCHE



CHETAN BUCHCHE



RASHMI WAGH



PRANAY RAUT



PRANAY RAUT



PRANAY RAUT





Part Seven Photography Section

































Part Eight Activities & Achievements



रावबहादुर डी. लक्ष्मीनारायण दिन....



प्रगती तेव्हाच होऊ शकते जेव्हा आपण विज्ञान आणि तंत्रज्ञानाची लागवड करु' हाच विश्वास होता राव बहादुर डी. लक्ष्मीनारायण यांचा.

लक्ष्मीनारायन तंत्रज्ञान संस्थेची स्थापना २ ऑगस्ट १९४२ साली झाली. राव बहादुर डी. लक्ष्मीनारायण हयांनी स्वतंत्रपुर्वी काळात त्यांची ३५ लाखांची संपत्ती लक्ष्मीनारायण तंत्रज्ञान संस्थेच्या स्थापनेसाठी दान दिली.

अशा थोर विभूतीचे ऋण व्यक्त करत लक्ष्मीनारायण दिन ३० सप्टेंबर व १३ जानेवारी हया दिवशी साजरा केला जातो.

१३ जानेवारी २०१८ रोजी व बहादूर लक्ष्मीनारायण यांचा जयंती समारंभ लक्ष्मीनारायण तंत्रज्ञान संस्थेत साजरा झाला. माननीय डॉ. कमल किशोर पंत सर प्रमुख अतिथी म्हणून उपस्थित होते व कार्यक्रमाचे अध्यक्ष म्हणून माननीय कुलगुरू राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ डॉ. सिद्धार्थविनायक काणे सर उपस्थित होते. प्रमुख अतिथींचा परिचय माननीय डॉ. मानकर सर,

संचालक लक्ष्मीनारायण तंत्रशास्त्र संस्था हयांनी करून दिला.

३० सप्टेंबर २०१८ ला राव बहादूर डी. लक्ष्मीनारायण यांचा स्मृतीदिन समारंभ आयोजित करण्यात आला असून कार्यक्रमाचे प्रमुख अतिथी म्हणून माननीय विजय फणशीकर, मुख्य संपादक हितवाद, नागपूर उपस्थित होते व कार्यक्रमाचे अध्यक्ष पद माननीय कुलगुरू डॉ. सिद्धार्थविनायक काणे सर हयांनी भुषवले.





ELITE - The Annual Gathering

Every year our college organizes a social gathering for the students and staff. It is the most eagerly awaited event of the year, for it is a day of fun and frolic, joy and jubilation. It is a three day event, which allows the students with the opportunity to show their talent.

The events of the three-day programme included Persona, a personality contest, singing & Dance competition, technical quizzes, fashion show, art exhibition, Antakshari, Fete, treasure hunt; different sports competitions. It was held from 9th to 11th march. The stage and college was beautifully decorated. The inaugural ceremony proceeded with the lighting of the lamp by the chief guest, Dr.V.M.Nanoti, Director Dr. Raju Mankar, teacher co-ordinator Dr. Shubha Dautpure and the other dignitaries. The highlight of the whole fest was the fashion show, which was on the theme of Women Empowerment; that left the audience mesmerised. Dance and Singing were the other two major events where participants entertained the audience with their moves and voice. This was followed by the Prize Distribution Ceremony. The skills such as initiating, implementing, managing and entrepreneurship, which was the sole purpose of eLITe 2k18, was successfully achieved by students.





Tree Plantation Drive at LIT

With this thought at heart Litians geared up for the tree plantation drive. The importance of trees is widely known to all of us and in this world of deforestation there is an urge for tree plantation drives. LITians thus pulled out all the stops to make this drive a success. And their effort and determination totally made this plantation a notable event.

As we all know that LIT has one of the greenest campuses in the core part of Nagpur City. People usually visit the college campus for morning and evening for to take a break from the busy and polluted roads of the city. Obviously it is a boon for the chemical engineers their at college to breathe the fresh air all day long. But even then the students took the initiative for a plantation drive as they knew there was room for more. With these—at mind the preparations for the event were started well before.

A day before the drive few students along with help of NSS cadets and the magazine committee members brought the saplings of a wide variety of species of plants from fruits trees to tall tree trunks. Along with this the holes were dug for the tree plantation at various places in the campus of college. An invitation was also sent to all the students and faculty members of LIT to be a part of this positive initiative.

With this enthusiasm and pre-preparation began the tree plantation drive in the presence of all teachers and students. A sapling was provided to a group of five students. All the students planted the saplings and watered them well with a pledge to take care of their respective plants. The teachers too contributed in this work and also guided the students. The credit of this events mostly bestowed upon the NSS members and students of college. This drive was helpful in creating awareness about importance of trees in our life and our approach to safe them.









A trip to NGO...

On the path of following the glorious tradition of organizing merge from past few years in Laxminarayan Institute of Technology, MERGE 2k17 was successfully organized on 3rd September 2017 with great enthusiasm. Innovative and interesting events like Quizzapur, Razzmatazz, Grafiti, Witty Wrangle, and Technica Modello were arranged under merge 2k17. In addition to this a visit to Ashadeep Sanstha Apanga Mahila Bal Vikas Sanstha was organized on 3rd February 2018 promoting a social cause of development of specially abled children and teenagers as well.

It was a very heart touching and beautiful experience that was a step towards service to humanity. It was a one day meet which started with a very inspiring and motivational speech by late respected Radha tai and other dignitaries of the organization. We introduced ourselves and openly interacted with visually disabled children of different age groups. We spent the day playing various games like chess ,cricket, antakshari, etc and it was indeed great fun. We personally communicated with all children and got to know about how they flawlessly managed their day to day activities like a normal person, their goals ,their achievements, interests, hobbies, etc.

Some of them have even excelled in sports and academics with constant support from organization and society. Organizations like these have really proved to be an excellent platform for overall development, education, acceptance and recognition of such people in society so that they can live their life to their fullest and achieve their dreams. It was not only a very unique and extraordinary experience but looking at those children who have a burning spirit to fight the hardships of life and never give up, was very encouraging message we received.

We concluded the day by taking pictures and donating an audio recording and speaking device. We whole heartedly thank our teacher coordinator Mrs Dautpure maam and members of organisation for giving us this beautiful opportunity to conduct this acitivity successfully.



LIT Model United Nations Date: 1st and 2nd September 2018.

Laxminarayan Institute of Technology Model United Nations, one of the best events LIT has ever seen, was a product of the hard work and aspiration of the students of LIT. LITMUN was conducted on the 1st and 2nd of September 2018, at the LIT Campus.

Model United Nations is an educational simulation of the actual United Nations, wherein students take part as delegates or representatives of different countries, come together to deliberate and come up with solutions on global issues. It's just the right platform to inspire, engage and involve students in local, national and global politics. The event saw 340 participants from Nagpur and other parts of India. The executive board was handpicked and was selected only on their merit and personality.

The committees were as follows:

- 1. United Nations Security Council
- 2. United Nations General Assembly DISEC
- 3. World Health Organisation
- 4. Human Rights Council
- 5.Loksabha
- 6. Historic Crisis Committee

The inaugural ceremony of LITMUN was performed at the Gurunanak Hall. The inaugural was blessed by the presence Ajay Deshpande, Chairman LITAA, Nagpur, as the **Chief Guest**. The dais was occupied by the Chief Guest, Guest of Honor, Dr. Vijay Pawade and honorable Director Dr. R. B. Mankar. We were enlightened by the wise words of out Director and Chief Guest. The conference was declared open by the Secretary General. The delegates were then escorted to their respective committee halls and the sessions were started.

The first session was completed on the first day. With four international and two national committees, the debate was intense and brilliant ideas sparked from every session. The delegates were treated with a sumptuous lunch and a soft drink at high tea. The gathering was dispersed by 6:00 in the evening. The event was coordinated successfully by Dr. Vijay Pawade, Physics Dept., LIT Nagpur. It was his efforts and motivation that drove the students throughout.

The second day started with sessions at 9:30 in the morning. The committees were in full fledge and the lunch and the high tea just fueled to their excitement. Every committee was successful in coming up with solutions and passing a resolution as well as a communiqué. The program was concluded with a valedictory ceremony again at the Gurunanak hall. The event was blessed by Mr. Madhukar Lime, the Chief Guest, Secretary of Rotary Mihan Town Nagpur as the Guest of Honor, Utkarsh Khopkar sir as the Guest of Honour. Honorable Director sir and our Chief Guest encouraged the students to continue the journey of learning and to be a better a person each day. Prizes and certificates were distributed. Each committee had 2 special mentions, 1 High Commendation and 1 Best Delegate. Prizes of Best IP, High Commendation IP, and Special Mention of IP were also given.

Secretary General of LITMUN'18 shared her journey and her gratitude to everyone. Director General gave the vote of thanks and concluded the event.



Merge 2k18 Report

About Merge:

'Merge' is LIT Nagpur's competitive full day event organised every year at college and school level which was initiated in 2015. With growing love and support it found its way to its fourth edition on 9th of September, 2018. "Merge", as the name suggests, attempts to bring people together for a better cause. It is a non-technical fest which holds various competitions whose main objective is to encourage students to grow their inner talent and expose it to the outside world.

Inaugural Ceremony:

The event was held in Guru Nanak Hall near the college campus. The inauguration ceremony commenced in the presence of our chief guest Mr. T. S. K Reddy Sir, Managing Director of Maharashtra Bamboo Development board (IFS), Dr Raju Mankar Sir(Director of LIT), Mr. Ajay Deshpande (Chairman of LITAA), Dr. Sneha Karadbhajane (teacher coordinator) and with all love and support from volunteers and participants. The event started by lighting of lamp with the hands of luminaries on the dias. Thereafter, Reddy Sir addressed the participants with his practical yet motivational oration. The event concluded with our Director's speech on how practical knowledge exceeds academic excellence in every way.

The event was organised under the guidance of Dr. Raju Mankar Sir, Director and Dr. Sneha Karadbhajne, Teacher Coordinator. Mr. Chhatrapati Kakde and Mr. Shashwat Bawankule leaded the team as President and Secretary of MERGE

2k18.Our Treasurer Mr. Aniket Kalambe worked very hard through all the financial needs. Mr. Atharv Themdeo, Sponsorship Incharge took genuine efforts in bringing various sponsors like Duralloy India, B B Coatings and Chemicals, Central Scientific Company, Pest Control Institue, Kanchan Ganga Paints, NCSR chemicals and many more. The event was in collaboration with NEERI, the most prestigious Environmental Engineering Research Institute.



This year's MERGE included events like:

1) Quizzapur

Introduction:

This event questions our love for the orange city,"Nagpur". It is a quiz competition, with each team having two members. Various rounds with various levels challenge them to prove their knowledge.

Main objectives:

- To increase the knowledge about history and geography of our city.
- To make hostelites fall in love with our colorful city.

Participation Details:

- 125 team of two members participated in the competition.
- 10-15 different college students took part.

2)Rang-Race

Introduction: A freestyle drawing competition 'Rang Race' to bring out the artist in today's young generation. The participants incuded both school and college students. The topics for the competition were:

- Essence of India
- Time travel
- · Women empowerment
- Wonders of science
- Deep Oceans

The efforts of all the students was applaudable. The event was judged by R.W. Thaware, retd. Professor, JJ School of fine arts, Mumbai.

Participation Details:

- 100 Teams of two members per team participated in the competition
- 10 different school and 15 different college student participated.

3)Speak Up Nagpur

Introduction:

Living in a developing city one faces many potential problems and hence human centered innovations will support the development of a smart and sustainable city. To promote such innovations and ideas we came up with Speak Up Nagpur with our moto Green city, Smart city!

Each participant was supposed to pick up any local issue/problem in nagpur and present their solutions to it in the form of ppt. Other details of the event are as follows:

Judges:

- Mr. Nikhil Dhote Sir Director NCSR Chemicals
- Dr. SachinMandhavne Sir -Associate Professor Department of Chemical engineering VNIT
- 3. Dr. Sameer Wagh Sir-HOD, Plastics and Polymer Technology, LIT
- Dr. M.GBhotmange Sir Professor and HOD, Food Technology, LIT

Participation Details:

- 36 teams of two members per team had participated in the event
- Different college students of Nagpur

4) Inquizitive:

Introduction:

It was a quiz competition on mathematics, science and general knowledge for the students of 8th, 9th & 10th grade.

Main Objectives:

- To promote fun way of learning and process of increasing knowledge in maths, science & GK.
- To promote quick decision making and aiding in team building process.

Participation Details:

74 team of two members per team had participated in the event.
 15 different school student had participated.

5) Quintessence

Introduction:

It was a subevent organised under Merge which basically tests one's communication skills. It was divided under 4 parts namely: a)group discussion b)extempore c)debate d)personal interview ascendingly. Contestants qualifying previous rounds were promoted to next. Students from different colleges across Nagpur enrolled their names. Group discussion was conducted at biot hall followed by Gurunanak auditorium for the remaning rounds.

Main Objectives:

- · To enhance soft skills and personality.
- · To seek truth from facts, add value to presentation skills and logical thinking ability.

Judges:

- 1)SwaimaAhmad, National level speaker, owner of Finesse Acadamy
- 2)PushpaAnand,Lecturer at SaraswatiVidhyalaya.

Participation Details:

- Total 64 participants took part in the competition.
- They were from 10-12 different colleges of Nagpur.

Prize Distribution Ceremony:

The Prize Distribution ceremony concluded in Biot hall in the presence of Mr. ChanduBhendarkar,Pest Control Institute,Mr. RWThawre,retired professor from J.J. College of Fine Arts and Dr. SnehaKaradbhajne,Teacher Coordinator.

Comparing to last year our event has grown exceptionally. Last year there were 300 participants and this year it exceeded to 600. It received an overwhelming response from the participants. The MERGE team is very glad and thankful for such enthusiasm and support. The team finds the participants' delight and happiness on attending the event as their biggest achievement.

Entrepreneurship Redefined At LIT

With the motive to encourage and develop the entrepreneurship skills among the students, a session was organised by Laxminarayan Institute of Technology on 21st of July 2018, Saturday. Mr. Vinod Kalkotwar (Alumni of 1982 batch of B.Tech. LIT) founder and president of Kalozal Consultants Pvt. Ltd. was the guest of honour who addressed the audience.

He emphasized on the basics of entrepreneurship by discussing on topic "How to start your own business and raise capital?". Out of his vast experience in the field of Industrial Finance he explained to the students about challenges and opportunities in Entrepreneurship as a career. This session was also bestowed upon by the presence of Dr. M. G Bhotmange, Director In-charge of L. I. T., Dr. R. P. Ugwekar, Head of Department, Chemical Engineering, on dais and Mr. A. Deshpande along with the other delegates of LIT Alumni Association. Dr. Bhotmange has elaborated about the contributions of Alumni association. Dr. Ugwekar has emphasized that the regular sessions on the topic are being conducted in the Entrepreneurship Camp sanctioned by NSTEDB Govt. of India in LIT.

Mr. Sachin Palsokar, an alumni and Industrialist has proposed the Business Plan competition for the students in near future. All the experts have answered to the queries of the students.

The Alumni Association of college (LITAA) mentioned about providing a suitable platform to students for exploring innovative ideas for start-ups. The students volunteers Umesh, Disha, Laveena, Arihant, Bhakti and group have taken efforts in making the programme successful. The program was concluded by presenting a token of gratitude and remembrance to the guest of honour and by a formal vote of thanks.



THE CHEMICOUSTICS

'Music is the literature of the heart; it commences where speech ends'



Started in 2016, with only three band members, two vocalists and a keyboardist, today, 'The Chemicoustics' is now a family of music enthusiasts amongst the renowned chemical engineers of Laxminarayan Institute of Technology.

The band now has 6 core and many other passionate members who compose, practise and present music in various events in the college and other places also.

Ankur Dawale, Kunal Sharma and Nikhil Sharma took an initiative to start a music band that would perform exclusively as the college's band.

In 2017, the band welcomed their lead guitarist, Ashay Deshpande. In 2018, Bhavesh Bagde, the acoustic guitarist, Rahi Kulkarni, lead vocalist and Neha Waghulde, vocalist, joined the chemicoustic family.

The band performed in various college events like

- ELITE 2017
- · GFC 2018
- ELITE 2018

And many other events. The band aspires to encourage the newer members to carry on this legacy fwd.



Achievements Section

Football Team	1st Position in 'Futsal', a National level competition held at G. H. Raisoni Academy of Engineering & Tech. Nagpur. Cash Prize - □ 2,000
Shruti Pandey Mayank Gujrati	1 st Position in 'Vairanika 2018', a National level competition held by Priyadarshini College of Engineering. By Aeronautical Society of India. Cash Prize - □ 1,500 + □ 30,000 Student Voucher + Trophy + Certificate
Praful Chichghare	3 rd Prize in Paper Presentation Competition held by G. H. Raisoni
Piyush Amrutkar	Secured in Top 50 Position in a National Engineering Olympiad Exam
Akshata Ramteke Shivank Sharma	Published a paper on 'Synthesis & Characterization of Carbon foam using Sucrose resin, Chitosan gelande activate of carbon' in 'International Journal of Science, Engineering & Tech. Research (IJSCETR) Under the Guidance of Prof. Shekhar Pandharipande & Dr. R. P. Ugwekar
Shruti Pandey Mayank Gujrati Nidhi Mukutkar	Published a paper on 'Comparative study of extraction and Characterization of lignin from wet and dry, coconut husk' in 'International Journal of Engineering Science & Research Tech (IJESRT') Under the Guidance of Prof. Shekhar Pandharipande
Renuka Gajaralwar Aishwarya Badwe Konark Nemade Piyush Amrutkar Ashish Kumar Singh Sumit Kurekar	1st Consolation in in 'Ultimate Sociotechnocrat' under'Abhudaya' held by 'Engineering India'
Nivedita Ukey Prachi Aloni Dhanashree Pawar	1st Prize in model making Technostav by S. B. Jain
Sushman Sarangi	1" Prize in Mathemaniya held at PIET
Sanket Wandhare	3 ^{nt} Prize in Mathemaniya held at PIET
Mohit Chavan	4th Prize in AARUNYA - A National Level Debate Compitition Won Potential Professor Compitition

Achievements Section

Nivedita Ukey Dhanashree Pawar Shreeya Salve Prachi Aloni Jeetjyoti Ghosh Amar Ahmed Uma Farooque Rakshit Sarnaik	2 nd Consolation Prize in 'Ultimate Sociotechnocrat' under 'Abhudaya' held by 'Engineering India'
Bhushan Belkhade	1 ST prize in 'Mann Ki Baat' in organized by Engineering India 2 nd prize at 'Young Inspiration 's Network ' with Umang
Piyush Amrutkar Aditya Mahajan	3 rd position in ' Papyrus ' paper presentation competion at Vortex , ICT
Samiksha Mahakulkar Renuka Gajaralwar Mrunal Hulke	5th position in ' Papyrus ' paper presentation at Vortex , ICT
Chetan Bhurse Atharv Phutane Sanika Agnihotri Prachi Dhale Tushar Fuse Ankita Pedkar Vedant Sinkar Dheeraj Sable Kalyani Hastak Anup Gawande	3 rd Prize in 'Ultimate Sociotechnocrat' under'Abhudaya' held by 'Engineering India'

Branch Toppers Chemical Engineering



Shivank Sharma Aggregate - 80.24% CGPA - 9.36



Siddhart Pathak Aggregate - 78.72% CGPA - 9.25



Vijay Shahu Aggregate - 77.28% CGPA - 8.99



Disha Ghosh Aggregate - 76.95% CGPA - 9.10



Anjali Kawale Aggregate - 76.78% CGPA - 9.00

Branch Toppers Chemical Engineering



Nitin Parate Aggregate - 80.09% CGPA - 9.3



Shubham Jodmote Aggregate - 78.73% CGPA - 9.19



Shaily Mehta Aggregate - 74.85% CGPA - 8.86



Sherya Dharmale Aggregate - 73.98% CGPA - 8.71



Mitheshwar Manglani Aggregate - 73.8% CGPA - 8.52



Sneha Asati Aggregate - 72.54% CGPA - 8.40

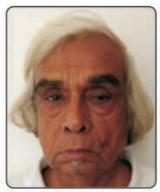
Alumni Section



Shri Pawan Kumar Jain 1970 Pioneered the RO system Found, Atlanta Healthcare



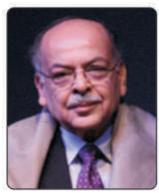
Shri Prakash Mujumdar 1962 ISRO, Bhatnagar Prize Vaswik Award



Shri Prakash Mehta 1964 Former Director at BICP



Dr. Bhaskar Kulkarni 1970 Bhatnagar Prize, Fellowship of INSA, IASE, INAE, Chairman of DST, Award for Business Excellence.



Shri Ashok Rathi 1974 Pioneered Mining Explosive Ex-MD at CDET



Dr. Suresh Haware 1978 Sr. Nuclear Scientist at DAE Glory of India Award Excellence



Shri Loksarang Hardas 1981 Founder La's Totally Awesome for Urban water Supply System Leaders in Solar Industry



Shri Arun Lakhani 1962 Advisor to NITI Aayog CMD Udyog Ratna Award



Shri Rajesh Malpani 1982 Malpani Group 100 Most Powerful Leaders in Solar Industry

News Section



Shubham slams ton in LIT win

SHUBHAM Wagh hit unbeaten 105 to guide Laxminarayan Institute



Technology (LIT) to a 33run win over City Premier College in the Dr Panjabrao

Deshmukh Sports Festival at Dhanwate National College ground.

LIT, RGCER record easy victories

TIMES NEWS NETWORK

Nagpur: Laxminarayan Institute of Technology (LIT) recorded a big 10-wicket victory on the second day of the 17th Engineer's Cup Inter-College cricket tournament, organized by the Anjuman College's department of physical education and sports.

In Friday's first match, LIT









Pimpalikar, Gulhane shine in DNC's big 69-run victory

Nagpur: Kushal Pimpalikar and Harshwardhan Gulhane slammed fifties as Dhanwate National College (DNC) recorded a 89-run victory over LIT College in the ongoing Nagpur University Inter-Collegia te Cricket tournament on Saturday.

In another match, Annasahed Gundewar (AG) College too had an easy outing as they defeated Dr Ambedkar Law College by 28 runs.

NU INTER-COLLEGE CRICKET TOURNEY

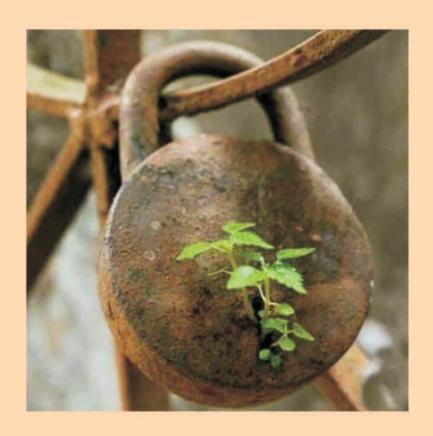
LIT's decision to bowl first backfired

LIT students develor new organic spice extracts, capsules



(AA) 2







LAXMINARAYAN INSTITUTE OF TECHNOLOGY

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