

Anual $7=$ IKiaib KIIT POLYTECHNIC Magazine of


Prof. Achyuta Samanta, Founder, KIIT \& KISS receiving Leadership Award 2019 on behalf of KISS by National Commission for Scheduled Tribes, Govt. of India from Hon'ble Vice President of India Shri M. Venkaiah Naidu at New Delhi.


RGMmakana

 ดศा हाศ



कदाचित् कालिन्दी-तट विपिन संगीत करबो मुदाभीरी नारीबदन-कमला स्वाद-मधुप: रमा-शम्भु-ब्रह्मासुरपति गणेशार्च्चित पदो जगन्नथः स्वामी नयन पथगामी भवतु मे।


## KIIT POLYTECHNIC

Bhubaneswar

ANNUAL MAGAZINE OF
KIIT POLYTECHNIC, BHUBANESWAR

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Founder, KIIT \& KISS

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# Prof. Achyuta Samanta 

ART OF GIVING


Date: February 16, 2019


I am happy to know that KIIT Polytechnic is going to celebrate its Annual Function on February 27, 2019 and bring out its annual magazine, 'Karmakaara', to commemorate the occasion.

Established in 1995, when there was a dearth of quality technical institutes in Odisha, KIIT Polytechnic has been in many ways a precursor of the State's progress in the field of technical and professional education. Since its inception, the Institute has produced thousands of competent professionals, who are gainfully employed in reputed companies. It is a matter of great satisfaction that students of the Institute are highly disciplined and are making their mark not only in academics, but also in extracurricular activities, like sports, art and culture. Credit for this goes to the Principal, faculty team, staff and hardworking students of KIIT Polytechnic.

I take this opportunity to congratulate the Principal, faculty team, staff and students for the success they have achieved and wish the Annual Function and the commemorative magazine, 'Karmakaara' a grand success.


## (Achyuta Samanta)

Founder, KIIT \& KISS
Bhubaneswar
 ઊઘ ઘાઘ્オ

BALWANT SINGH, IAS
Vice-Chairman





STATE COUNCIL FOR TECHNICAL EDUCATION \& VOCATIONAL TRAINING ODISHA

It gives me immense delight that KIIT Polytechnic, Bhubaneswar, one of the leading institution in the field of imparting technician education, is going to release its Annual Magazine "KARMAKAARA'. Every thought we think shapes our destiny. The skill - cult that decides the destiny is a continuous effort in animating and innovating the within of a being, has been the moral responsibility of KIIT Polytechnic since long.

On this occasion, I wish the management, student \& staff all the best and the Annual Magazine "KARMAKAARA".

(Balwant Singh)
Vice-Chairman


## R. N. Dash

Secretary, KIIT \& KISS

Kalinga Institute of Industrial Technology (KIIT)<br>Deemed to be University<br>(Established U/S 3 of UGC Act, 1956)<br>Bhubaneswar, Odisha, India

Ref.: KIIT/Secy/795
Date: 18/02/2019

I am delighted to learn that, KIIT Polytechnic is bringing out the Annual Magazine "KARMAKAARA" on the occasion of the Annual Function to be held on 27th February, 2019. I thank the members of the faculty, staff and students of KIIT Polytechnic for their contribution to "KARMAKAARA" to maintain its literary and technical excellence.

I wish the Annual Magazine and the Annual Function all success.



Dr. Subrat K. Acharya<br>Pro-Chancellor



# Kalinga Institute of Industrial Technology (KIIT) <br> Deemed to be University <br> (Established U/S 3 of UGC Act, 1956) <br> Bhubaneswar, Odisha, India 



KIIT University is committed to academic and overall excellence in classrooms and through programs offered in our curriculum to the students. We believe in creating an environment where the students can nurture and hone their skills at all opportunities being presented. Encouraging active participation in academic, research and project work not only enhances their technical abilities but also builds overall persona and instills a sense of passion and confidence in the students. The departmental magazine KARMAKAARA being published by KIIT Polytechnic is one of the many laudable endeavours that happen in KIIT University. I wish the launch of magazine to be a grand success and congratulate the team for their good effort.



Prof. Hrushikesha Mohanty

Vice-Chancellor

# Kalinga Institute of Industrial Technology (KIIT) <br> Deemed to be University <br> (Established U/S 3 of UGC Act, 1956) <br> Bhubaneswar, Odisha, India 

## KIIT/VC/99/Message

Dt. 16/02/2019

I am very happy to learn that KIIT Polytechnic is celebrating its annual function on February 27, 2019. As a part of this celebration, a magazine - KARMAKAARA is being published. I am sure that the literary and artistic pieces contributed by the students in the magazine will reflect their creativity and dreams of achieving greater heights. I congratulate the Principal of KIIT Polytechnic and the members of editorial board for their efforts in bringing out 'KARMAKAARA'. I wish the faculty and students all the best in their endeavors.

(Hrushikesha Mohanty)


Dr. S. Samanta<br>Registrar

Kalinga Institute of Industrial Technology (KIIT)<br>Deemed to be University<br>(Established U/S 3 of UGC Act, 1956)<br>Bhubaneswar, Odisha, India



It gives us great pleasure to bring you the Annual issue of KARMAKAARA, the in-house magazine of KIIT Polytechnic.

I congratulate the team that has taken the initiative for producing this magazine. It is great to find a considerable number of articles and poems that certainly prove that our staff and students are adequately equipped and possess necessary skill sets to express their talent. Reading this magazine would definitely be an inspiration and motivation for all students and staff to contribute even more to the forthcoming issues.

On this occasion, I extend my best wishes to all the contributors and the editorial board of KARMAKAARA a greater success in the future.

(Registrar)


Today we live in 21st Century, the most vibrant century till now, which demands a lot of contribution from mankind to take the entire world to a new era. It is a great challenge for everyone to work for an economically developed, environmentally healthy, socially stable and technologically advanced nation to withstand in this world at the age of competence. This century motivates us to develop learning and innovative skills, digital literacy skills, life and career skills. In this context literature will play an important role.

Literature teaches us good language and power of communication without which we
 can't think and explore our best performance in this century. It helps us to develop our critical thinking skills, reading and writing skills to gain a better understanding of the society.

In our education system, from the primary and secondary level of education to the level of university, literature has been an undistinguished part of education system. Students have always been motivated to improve their literature during their career. They have been provoked to participate in various literary competitions to enhance their ability to read and write stories, poems, dramatic texts and technical paper writings. It provides an outlet for their thoughts, emotions and imaginations. Reading of literature books and presenting their thoughts by writing, makes the students brighter in their career.

On the eve of annual function of KIIT Polytechnic, our students and staff put forth their efforts in creative writing to bring up the annual magazine like every year. I congratulate every one for their dedication to the organisation and their sincere efforts towards the success of our literary work "Karmakaara".


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## Dr. Binodini Tripathy

Lecturer,
Electronics \& Telecommunication

Nanotechnology is a very diverse and disruptive field of science and technology, with a potential to change the world as we know it today. Nanotechnology deals with the study of controlling and manipulating matter on an atomic, molecular and super molecular scale. It focuses on dealing with extremely small structures, having size of 0.1 to 100 nm or smaller in at least one dimension. The prefix 'nano' is a Greek word which means "dwarf". The simplest meaning of nano is very small or miniature size. This refers the involvement of Nano Technology work from reducing the size of large structures to smallest structure. However the materials involved in Nanotechnology should display different properties such as electrical conductance, chemical reactivity, magnetism, optical effects and


## NANOTECHNOLOGY IN MEDICINE

physical strength from bulk materials as a result of their small size.

Advancement in the field of Nanotechnology produces a broad range of applications and creation of various types of nano materials and nano devices. The application of Nanotechnology to the field of medicines and some other medical applications has revolutionized the twentieth century and offers some exciting possibilities. Nanotechnology in medicine involves applications of nano particles currently under development. This article mainly focuses on medical applications briefly.

## BACKGROUND

The concepts of Nanotechnology were first discussed on 29th December, 1959, by renowned physicist Richard Feynman. He gave a radical lecturer at an American Physical Society meeting at Caltech titled " There is a plenty of Room at the bottom". Feynman suggested that it should be possible to make machines at a nano-scale that "arrange the atoms, the way we want", and do chemical synthesis by mechanical manipulation. This lecturer was the birth of the idea and study of Nanotechnology.
The term "Nanotechnology " was first used by Norio Taniguchi in 1974, though it was not widely known. In 1986, K. Eric Drexler used the term 'Nanotechnology' in his book ' Engines of Creation : The coming Era of Nanotechnology'. Then the different
researchers tried to develop the field in different areas and owned Nobel Prizes. Currently several university and industrial research groups are developing medical applications using Nanotechnology.

Nano medicine is the monitoring, repair, construction and control of human biological systems at the molecular level using engineered nano devices and nano structures. As macroscopic machines were first hypothesized by Richard Feynman in 1959, K. Eric Drexler described many applications of these machines in Engines of Creation. Albert R. Hibbs- a noted mathematician was provided an idea on Nanotechnology in medicine. According to Feynman, Hibbs originally suggested to him the idea of a medical used for Feynman's theoretical micro machines.
"A friend of mine(Albert R. Hibbs) suggests a very interesting possibility for relatively small machines. He says that it would be interesting in surgery if you could swallow the surgeon. You put the mechanical surgeon inside the blood vessel and it goes into the heart and "looks" around. It finds out which valve is the faulty one and takes a little knife and slices it out. Other small machines might be permanently incorporated in the body to assist some inadequately functioning organ". What Feynman and Hibbs considered a possibility, today 51 years later, is becoming a reality. Table-1 shows a clear brief description of history of Nanotechnology.

Table - 1

| Year | Development in nanotechnology |
| :---: | :--- |
| 1959 | R. Feynman initiated thought process |
| 1974 | Taniguchi used the term nanotechnology first time |
| 1981 | IBM Scanning Tunneling Microscope |
| 1985 | Bucky Ball |
| 1986 | First book on nanotechnology Engines of Creation published by <br> K. Eric Drexler, Atomic Force Microscope |
| 1989 | IBM logo was made with individual atoms |
| 1991 | S. Lijima discovered Carbon Nano tube for the first time |
| 1999 | 1st nano medicine book by R. Freitas "Nano medicine" was published |
| 2000 | For the first time National Nanotechnology initiative was launched |
| 2001 | For developing theory of nanometer-scale, electronic devices and <br> for synthesis and characterization of carbon nano tubes, nano <br> wires, Feynman Prize in Nanotechnology was awarded |
| 2002 | Feynman Prize in Nanotechnology was awarded for using DNA to <br> enable the self assembly of new structures and for advancing our <br> ability to model molecular machine systems. |
| 2003 | Feynman Prize in Nanotechnology was awarded for modelling the <br> molecular and electronic structures of new materials and for <br> integrating single molecule biological motors with nano scale <br> silicondevices |
| 2004 | First Policy Conference on advanced nanotech was held. First <br> center for nano mechanical systems was established, Feynman <br> Prize in nanotechnology was awarded for designing stable protine <br> structures and for constructing a novel enzyme with an altered <br> function. |
| $2005-$ | 3D Nano systems like Robotics, \#D networking and active nano <br> products that change their state during use were prepared. |
| 2010 | Era of molecular nano technologystarted |
| 2011 | Era |

## History of Nano Technology

## APPLICATIONS OF MEDICAL NANO TECHNOLOGY

Applications of medical Nano Technology span across a variety of areas such as:

- Indrugs, medicines, therapeutics etc.
- In diagnostics of diseases, abnormal conditions etc.
- Insurgery.
- In medical robotics.
- In the general sake of increasing knowledge of the human body.


## APPLICATIONS IN DRUGS AND MEDICINE

- Nano Technology can deliver medicine or drugs into specific parts of the human body, thereby making them more effective and less harmful to the other parts of the body.
- A study conducted by NIH found anti-cancer gold nano particles very effective.
- Gold nano cells are useful to fight cancer because of their ability to absorb radiation at certain wavelengths. Once the nano cells
enter tumor cells and radiation treatment is applied, they absorb the energy and heat up enough to kill the cancer cells.
- Other elements can also be used in nanomedicine.


## APPLICATIONS IN SURGERY

- Minute surgical instruments and robots can be made with nano technology. These instruments can be used to perform micro surgeries on any part of the body.
- These instruments are precise and accurate and target only the area where surgery should be done instead of damaging a large amount of the body.
- With nano technology instruments, visualization of surgery can also be improved. Instead of a surgeon holding the instruments, computers can be used to control the nano-sized surgical instruments. "Nanocameras" can provide close up visualisation of the surgery.
- Introduction of nanotechnology surgical instruments produces a safety zone having less chance of any mistakes or faults.
- Surgery could also be done on tissue, genetic and cellular levels due to nano technology instruments.


## APPLICATIONS IN MEDICAL ROBOTICS

- In present days nano-robotics are playing a vital role in medical field including many applications in other areas. Potential applications include early diagnosis and targeted drug delivery for cancer, biomedical instrumentation, surgery, pharmacokinetics, monitoring of diabetes and health care.
- Medical nano technology also implementing nano robots to inject into the patients to perform treatment on a cellular level.

MISCELLANEOUS APPLICATIONS OF NANOTECHNOLOGYINHEALTH

- Nano technology is helpful in taking snapshots of human body for better understanding of how it works.
- Introduction of nano technology can provide better exploration of the working of cells, bacteria, viruses etc. The causes of relatively new diseases can be found and prevented.
- Genome sequencing can be made much easier and vision restoration is better.
- Biological causes of mental diseases can be monitored and identified. Simple curiosity can be answered.
- Nano materials can take vital role in "Tissue Engineering". Tissue engineering makes use of artificially stimulated cell proliferation by using suitable nano material based scaffolds and growth factors.
- Advances in nano technology based tissue engineering could also lead to life extension in humans and other animals.


Figure 1: Nanoscale and nanostructures.


Figure 2: Schematic diagram of various types of pharmaceutical nano systems.

## CONCLUSION

The wide spread unique physicochemical and biological properties of nano materials make them to be useful as a promising tool for the advancement of drug and gene delivery, biomedical imaging and diagnostic biosensors. Nano Technology can be merged with other technology starting from general purpose to the complex and innovative hybrid technologies. This technology can be applied for the manipulation of genetic material. The continuous development in nano technology research will be useful for every aspect of human life. The nano technology innovations will try to modify medicine, regenerative medicine, stem cell research and nutraceutical sectors.



## Dr. Sukalyan Das

Sr. Lecturer, Computer Science

Travelling to the interview can be stressful, especially if you've to commute a long distance. Try Arrive at least 10 minutes early. Showing up a little bit early to the interview shows that you're punctual and that you really care about your job. Remember, arriving late for whatever reasons is totally inexcusable. Plus, if you rush in there just before it's time to begin, you won't have time to decompress and get into a relaxed state of mind.

The way you dress makes a statement about yourself. Avoid bright colours and loud jewellery. Regardless of the job that you are applying for, it is a good idea to wear a neat and clean suit, even in a casual business environment. you have to start off by dressing professionally to make a good impression in front of formallydressed interviewers.

Make sure to groom yourself well and to pay attention to your hygiene, too. If you don't put time and effort into your appearance, it will show.

Try on your outfit at least a few days before to make sure that it's flattering and that there are no problems with it.

## TIPS FOR SUCCESSFUL INTERVIEW



Introduce yourself with confidence. The introductory speech is your two minute opportunity to enlighten the interviewer about yourself and what you have to offer. When you walk into the room, stand tall, make eye contact, put a smile on your face, and give your interviewers a firm, confident handshake when you introduce yourself.

Smile, be natural and speak with confidence.

Your body language should be accurate and you should be making a positive impact during the interview.

Sit straight on the chair and look into the eyes of the interviewer. Remember, you've nothing to lose and go with that mind-set.

Speak as clearly and confidently as you can and make eye contact when you share your thoughts and ideas. Practising saying what you have to say aloud can help you gain the confidence to be articulate during your interview. That said, you should make sure your words sound natural, not rehearsed.

When responding to the employer's questions, tell the truth! If you made a mistake, say it in a positive way,



## Dr. Sanjukta Sahoo

Sr. Lecturer, Civil Engineering

What is now proved was once only imagined. The world's greatest achievers have been those who have always stayed focused on their goals and have been consistent in their efforts. But not always only the bright one excels. There is a need of only one candle to lit up a room. In the same case, the most deprived and depressed one can overcome their most ugly challenges and can demolish the beast of failure. The storey revolves around a group of friends faced success and failure for their own thinking process and will power, passing through different phase of life.

A peer group, after overcoming the first-ever bench mark of their life, entered into one of the reputed institutions with a new hope and wide ranging dreams in their eyes. Though all amongst them had a middle class background, two of them were economically less prosperous. As their academic session started, they thought up to show their excellence in every aspect. However the thought just remained as a thought! In the new phase of life, out of home, they enjoyed their independence and started doing everything as monopoly.

# | Can..... I Will.... | Must.... 

Richa and Rahul were the best in study amongst them, in simple words, the "Toppers". Except Richa and Rahul, all others have started their involvement in other unwanted affairs, as if they had taken the college life for granted. Studies became a sort of mental stress for them. They began to indulge themselves in such activities which initially killed their time but also they were unaware of the challenges they had to face in the recent future. As if they had enrolled themselves in that hookah bars or were living inside the virtual word of the android games. Like all other students, they also passed their times in the PUBG play, overnight mobile call, and in various kinds of addiction. They had forgotten their ambitions, billions of dreams of their parents, and the commitments they have made with themselves and others. By the peer pressure and the better to be friends they were dragging themselves to the world of their failure. In between these, studies seemed to be devils for them.
Though Richa and Rahul were sensible and good at academics, they tried to make their friends understand the value of education, career and responsibility. But nothing they got except ignorance and negative comments. As the other factors such as mobile, friends, cafes and bars became the most important jobs for them than the purpose for which they had actually came, their backlogs numbers consistently increased and finally they couldn't passed in the final year examination. Whereas, Richa and Rahul were very well knocked the
door of success, which was always in eager to accept the hard workers. With a very good performance, they obtained the best placements through campus selection. Few months were left with them to join in the new office at New Delhi. Their happiness was at it's peak and also their parents were overjoyed. They were joyous to share their happiness with all. Meanwhile, a depressed feeling was just trying to touch the mind of the left out ones. A number of questions were striking their mind, whether they will continue to study or not, whether to start business or to stop such bogus thinking and enjoy life as usual. Let's think, do they have any options left to crack the dreams again?? We can say: Yes always there's options. If you wish, you definitely can.
Rishi and Kumar, two boys among them, sometimes were thinking of their past glories of school days and feeling guilty of the hope and dreams of their parents. They realised what they had done and how had they killed their own time. They were just struggling with themselves to come out from the scandalous situation. At times, sitting alone in a room Rishi found a group of ants building their homestead which was many more times huge than those little creatures. He realized the will power of those ants and thought that if they can do, why can't he? He decided to change his path by giving himself a second chance to win and inspired Kumar too. They made up their minds to fight against failure and started to depart from those friends who were actually
foes for them. Such a realisation helped them to a great extent. They started collecting required notes and with dedicated $2 / 3$ regular hours they faced the back paper exams. Few days were to wait for publishing the results and surprisingly, they secured very good marks and got selected for higher studies. As they accepted their challenges, felt the exhilaration of their victory. They were placed at a position higher than that of Richa and Rahul and realized their success was only because of their will power. Before going to join the new institution, they came to their rest three friends and discussed regarding their journey of success. They wished them, changes and betterment of their rest life and spoiled career. Afterall, success comes to those, who have the courage to face the difficulties. There is nothing in the world that can't be overcome.

They had now greater acceptance, higher accomplishment and a bunch of opportunities. But what had happened to those remaining three friends?? Did they sank in the ocean or were able to swim up to the shore? It seemed as if a huge block of difficulties followed their path just as a shadow does. They had to face the mental trauma from the so called society and their beloved parents. They were not able to face the questioning of their surroundings. As they were completely trapped by depression, they couldn't gather enough courage and strength to beat the failure. As if they have no other options except addiction. Their frustration reached its boundaries and the level of addiction was also at the edge of crossing. They couldn't sense when and how the cigars dragged them up to the level of drugs. Their footsteps were became the foot prints in the darker world. As if a devilish entity was forcing them to stay there.

Such a situation became indefensible for them. The fortunes of the families were completely waned.

Parents expect so much from the children - and they are so helpless they are bound to be expectation-less, so do the ethics demand. The children who fly away to weave their dreams forget - they were dreams of their parents. And the show moves on. The parents of the three fellows, who had dreamt of heaven were now facing the hell. They couldn't accommodate their negativity. Finally, Raj, Yash and Jeet were homeless. The streets and the cigar shops became their ideal places. The parents were facing even more challenges by visualising their kids in such a dreadful situation. Seeing situations getting out of control one of their teachers, Nishant sir tried several counselling sessions of the three boys. He being good at motivating proved his oratory skills and was capable of inculcating at least some of the lessons within them. But he was only able to touch the mind of Jeet, who started reviving those words in his mind. One day Jeet was sitting inside a room, saw a spider weaving it's net. Despite of continuous failure it didn't gave up hope and finally it achieved it's mission. So at the same moment he went near Nishant sir and pleaded to listen to sir. He surrendered himself and went with sir to be admitted in a good deaddiction centre. Now goodness and positivity was bound to return to Jeet's path and one day success might knock his doors. Still you have power over your mind and by realizing this you will find strength. Trust your will power it will lead you towards success.

But Yash and Raj were continuing their life as usual. They both were living in their own world. Their friendship seemed to be fatal for both. They were drowning in the sea accepting that not even a single branch of wood could
show them the shore. yash was in a confusing state. Every moment he was in dilemma whether to follow jeet and surrender giving his life a second chance or to continue as usual like a false king of his imagination. But leaving those addictions, those life style and raj, was next to impossible for him. At the same time, Raj was not at all obsessed of thinking of any other thing rather than addiction. He was the boy who had remained topper in his schooling days, won many more trophies as all rounder. The only child in his family, and of course with all rights that the only child usually is bestowed with, now struggling with life without food, care and affection, sunk in addiction. Once the boy was happy with the latest bike, latest jeans, latest hair cut and poise of heroes whom we see on screen, the hero has completely broken. He confined himself to a corner of a room, sitting on a chair, staring blankly at the white fading wall. The jolly boy of yesteryears has gone so dry-so soon, and was shaking in fear. Every moment was like a month for him. Like everything had suddenly left him, stopped for him, and suddenly one night he left his last breath. The next morning, as if the sun hasn't risen, the complete family spoiled, losing everything. Now yash was completely silent without a word in his lips, tear in his eyes and expression in his face. Except Raj and Yash, everyone succeeded, leaving behind the darkness, only because of their strong will power.

Don't be Hopeless.. The whole world will be your's, when you will start thinking positive. And with positive will power you can overcome every situation. It is thus your choice to shape your life.


## Jiban Kumar Jena

Lecturer, E\&TC

Man faces a world of complex social problems, resulting to perplexed actions beyond description. His thinking often ends in cry havoc. While giving a thought about the social problems the titular practical person has proceeded in his own ways. In the most sense, social thinking is a product of same mind alike. Most social thinking is the product of ordinary dinner table variety that is casual and desultory. At many a times social thinking in sense of group thought about social questions has contributed little to the knowledge one is acquiring. Discussion- group thinking illustrates that it is on higher levels but very less result oriented and not so extensive. However, a great deal may be expected from it in the future. Speaking about which, many countries that preserve the freedom of speech is on it is way to become the mega mind of idea centre.

The thought process about person on social thinking can be categorized into three types:

- That involving the advancement of human into several groups.
- That referring to the manipulation of human beings to the grain of a special clique or group.


## SOCIAL THINKING

- That which aims to analyze the underlying social processes and laws irrespective of the effects of such analyses or the uses to which they are put.

The history of social thought rises early when the human struggled on earth and jagged edges along the full sweep of the changing historical horizon. It finds expression through some of the world's best minds. Our quest will bring us in contact with the most vital moments of the world's most valuable thinkers.

Social thinking usually finds its initial expression while combating social crises. When 'opulence' reigns and people in general are satisfied, new social thought is at ebb tide. But when social conditions are marked by gross injustices, wars and other basic disturbances, then ideologies and inventions becomes the torch bearer for social changes.

Social thinking is the branch on the knowledge tree which is primarily concerned with man's general social life and its problem as created, expressed and endured by human interrelation and interactions. " social thinking is giving out a thought about the social problems by one or few person here and there in human history or at present." Social thinking doesn't originate all of a sudden rather it develops from seed to a full bloomed tree slowly with passage of time. "Social thinking is concerned with human beings in their relations with their fellows."

Social thinking is mainly takes birth while challenging and combating social problems. The characteristics of social thinking are given below:

- Social thinking are originated from social problems.
- Social thinking are also related to the social life.
- It is the result of social interactions and interrelations.
- Social thinking highly changes depending upon time and place.
- Thinking are very much influenced by their social life and experiences.
- It inspires the development of civilization and culture.
- Social thinking are based on abstract thinking.
- It is an integral party of social utility.
- It helps in promoting social relationships
- It is neither absolute nor static. It is evolutionary.

In each and every society these are three stages or levels of social thinking such as:

- Socially beneficial thinking
- Negative social thinking
- Scientific social thinking.

Socially beneficial thinking is usually comprised of progressive or constructive social proposals which are clearly designed to bring about progressive changes in the society. It leads to general welfare of the society. The thinkers are inspired by the law of humanity.

Negative social thinking is characterized by selfishness, disregard of general welfare etc. It is parochial and retrograde in nature. In this negative type of social thinking the welfare of the majority is not taken into consideration. Only interests on the few either in power or authority or those who can manipulate the situations in their favour taking advantage of the situation at hand.

Scientific social thinking is now the order of the day. The present society wants this type of thinking. This thinking is impartial and unbiased.

It is a type of thinking which promotes collective welfare. Now this type of thinking can be scientifically considered and analyzed.

Social thinking is very ancient and begins from pre historic times. Social thinking is Unorganized and unscientific whereas the sociological thinking is organized and scientific.


## Sonira Bala Dash

Programmer
Dept of CS\&E.

Education isn't all about classrooms. Homework plays a huge role in student learning. Given how much time we spend studying in a lifetime, and how hard it is to find time to study, techniques that make studying more efficient--that is, techniques that allow you to learn more in the same amount of time--can be incredibly valuable.

One of the most important study techniques that you don't know about is this: Space your studying.

What does that mean? If you are going to study something two times (or more), try to let as much time pass as possible between the first and second time you study.

For example, don't read your textbook chapter and then review it on the same day. Study it and then review it on a different day, and allow as much time to pass between the two study

## HOWTO LEARN MORE WITHOUT STUDYING MORE: SPACE IT OUT AND MIX IT UP

sessions as possible. Better yet, spread your studying across numerous days. You don't necessarily have to study more, you just have to distribute your study time differently. When you sit down to study, mix up your topics--instead of studying one topic per day, study every topic a little bit every day.

## The science behind spacing

Research on the spacing effect began with the pioneering work of Hermann Ebbinghaus in 1885. Ben Carey recently wrote about the benefits of spacing in the New York Times. Here is more information on three studies that demonstrate the benefits of spacing out study trials and mixing up topics.

## Flashcards

Study guides often recommend that student study vocabulary using small stacks of flashcards. But a recent study showed that it's much more effective to study large stacks of flashcards every day. Why? Because the more cards you have in your stack, the more time passes before you go through the stack and return to a card you've studied before--that is, larger stacks create more spacing.

## Math and Science

Math and science textbooks are usually organized one topic at a time. You do fractions, and then you do decimals. Again, this may be the worst possible way of organizing learning. A study of geometry learning showed that people learn best when different topics are mixed together. Mixing problems means that you end up reviewing information you've studied before, after a spaced interval. It also means that you can't necessarily solve the next problem the same way you solved the last one--you have to figure out how to approach each problem. The bottom line is that problems sets don't usually include a mix of topics, but they probably should.

## Paintings

What about learning something more conceptual? In a study about art and cognition, participants were asked to learn the styles of various different painters. Participants studied 6 paintings per artist, and all of the paintings were different. The paintings were presented either one artist at a time or all mixed up, skipping back and forth between artists.


Susant Kumar Das

Instructor, Workshop

It is a mistake to think that time is going. Time is not going. Time is here until the world ends. It is us that is going. You don't waste time. Time is infinite. You waste yourself. You are

## MEANING OF TIME

finite. It is you that is good or bad, not time. So make good use of it. And one of the worst things to do with time is to compare yourself with others. A cow eats grass and gets fat, but if a dog eats grass it will die. Never compare yourself with others. Run your own race, what works for others may not work for you. Focus on the gift and talents God gave you and don't be envious over the blessings He gave others. If a rose smells better than a tomato, it does not mean that you can make a stew with roses. You have your own strength, look for it and try to build on it. All animals that exist were on Noah's Ark. A snail was one of those animals. If God could wait long enough for the snails to get aboard,

His door of grace won't close on you till you reach your expected end. Never look down to yourself, but look up. Remember, that broken crayons still colour. Keep on pushing, you never know how close you might to be your goal.


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Bishal Deep
Electrical, 1st year

Artificial Intelligence (A.I.) is a simplified problem-solving process for humans. It enables software to perform tasks without being explicitly programmed. It also includes neural networks and deep learning. It is the bigger concept of machines being able to perform tasks the way we would consider.And, Machine Learning is an application of Artificial Intelligence (AI) that enables machines to access data and let them learn to perform these tasks. It uses algorithms and allows systems to find hidden insights without being programmed.

## ARTIFICIAL INTELLIGENCE \& MACHINE LEARNING: THE FUTURE IS NOW!

It's importance is that, lets consider the growing volumes and varieties of data available, the need for computational processing is becoming vital to provide deep-rooted information which is cheap and easily available. With the help of A.l. and Machine Learning, it's possible to automate models which can analyze bigger, complex data to return more fast and accurate results.

Organizations are finding profitable opportunities to grow their business by identifying the precise models to avoid unknown risks. The use of algorithms to build a model is helping organizations to bridge the gap between their products and users with better decisions and least human intervention. Most industries with enormous volumes of data have recognized the value of machine learning.


By garnering insights from this data, often in real-time, organizations have become more efficient in their workflow and gaining an advantage over other competitors.
The Biggies like Google, Facebook and Twitter banks on Artificial Intelligence and Machine Learning for their future growth. Google's global chief executive officer (CEO), Sundar Pichai said: "I am confident India will be a global player in the digital economy".

With a humongous amount of data becoming more available today, Machine Learning is starting to xxand ML will help the systems to scale for them, generate new models on the go and deliver faster and accurate results.

The major industries where Machine Learning and Artificial Intelligence are used are:

1. Healthcare \& Fitness
2. Sales and Marketing
3. Financial Trading
4. Transportation \& Conveyance
5. Personal Security
6. Online Search


## Subhadeep De

Electrical Engineering, 3rd year

## FASHION BLOG

A fashion blog can cover many things such as specific items of clothing and accessories, trends in apparel markets, celebrity fashion choices to steak fashion trends. They cover fashion at all level from the largest fashion houses to the new budding independent designer houses. Many fashion blogs could also be categorized as shopping blogs, similar to the content of the popular fashion mags. Some blogs focus more on tips and tricks, giving out hacks for all those who are interested to be prime and proper looking presentable.

Fashion blogs first appeared in the blogsphere prior to 2001. Both the number of fashion blogs and number of media mention had grown considerably since then. In 2006 the commercial success and growing profile of the fashion boogers were the two main theme in coverage of fashion blogs. With people like Rumi Neelay, a small time fashion blogger went to walk for a prestigious runway.

So one doesn't need to wear labeled clothes to be a diva, being yourself is the best fashion.

## LIFE AS WE KNOW IT

not a game.life is like a timeless challenge. It is as if you are riding a dangerous roller coaster. It has its share of ups and downs, but everyone thrives to remain happy and wishes to lead a perfect life. If one shows struggle and resistance, at results in the crippling of their souls makes such people detached from life;but it is actually our own perception that shapes reality and our life as well. Life certainly throws challenges and hurdles, but those who have sheer will power emerge triumphant and never give upon matter how hard the circumstances may become.

Life is definitely not a cake walk and it is indeed very normal to get
discouraged and broken. But it is important to rise against all odds and continues doing your best because it is certain that giving up isn't the solution and constant endeavors definitely takes you somewhere very closer to your dreams.

It is attuned to Jesus, who said "Man is destined to die once, after that to face judgement". The other truth is that wrong things taking place in the world will be made right and that taking place in the world will be made right and that God will take care of his children and good deeds will be definitely rewarded. In these always remember, the best choice is standing still.


## Kanhaiya Kumar

Metallurgy Branch, 1st Year

What would things look like if everything went wrong tomorrow? What if we don't study for examinations? What if opposite was true?

This way of thinking, considering the opposite of what you want, is known realize the worth of it, revelation is obscured beneath it's hidden mist. It is

## INVERSION: SPINNING NEGATIVITY TO POSITIVITY

a powerful thinking tool because it puts a spotlight on errors and roadblocks that are not obvious at first glance. Instead of asking " how took do something? Ask how not to do it."
'Success is over valued. Avoiding failure most'. This logic actually presents a clearer perspective than a bird's eye view of the current situation. Avoiding mistake is an under appreciated way to improve. However, it helps to stick and stay in long run. For example we set up goals to accomplish and once that is over we are again back to square one. Instead of we could stick up to the routines like hitting him every
weekend, we are able to perform better while abstaining thought about results. That's why Dr A.P.J Kalam says, " Don't read success stories you will only get a message. Read a failure stories, you will get some ideas to get success."

Inversion is counter intuitive. It has been seen a tool of many great thinkers. It is an essential skill for logical and rational life it allows us to step outside our normal patterns of thoughts and see situations from a different angle. Next time, whatever problem you face, just consider the opposite.


## Priyadeep Banerjee

Electronics and Telecommunication 2nd year

Dear Baba,
You are the most important person in my life. The rapport that I and you share is something that I don't even find with my friends. You know me

## A LETTERTO MY FATHER

much better than myself and you are the only one who judge me by my expressions. Whenever I have any query, you are always there to help me out. Whenever I am in trouble, you always come like a superhero for rescuing me. But here I am into my teenage. An age that decides the future of a child, an age that stairs the life of a child. I need you the most now as a father, you very well know that however good a child be, his or her mind is softest to accept impressions in this age. You can very well judge whether this impression is good or bad, and I request you to correct them.

Though I will definitely hate that, but that will be in favour of my future only. I want you to give me freedom, but don't spoil me. Do trust me, because it is your trust that stops me from committing mistakes.

Baba, I need you in every moment of my life. Even a step without your guidance doesn't seem right. I really feel proud to be your son. You hold the highest position in my heart and I respect you even more than god.

Yours
Priyadeep


## SK. Sanjeev Hossain

Metallurgy, 2nd year

A village named Khaksitoli which is situated in the Bedo block is at a distance of 35 kilometers or 2 hours from the capital Ranchi in Jharkhand. No different than any other tribal villages of the state, Khaksitoli has been dominated by the Oraon tribes. This usual village came into limelight when an 83 year old Simon Oraon was conferred with Padmashree last year hailing from this hamlet. Simon often known as the waterman of Jharkhand was conferred with this prestigious civilian award for his contribution in conserving the environment by forest plantations and water conservation methodologies since decades.

As narrated by the villagers, Simons story of struggle started since he dropped from his school to help his parents to grow paddy in the fields which remained the only source of food grain and income for them apart from the minor forest products. It was the time when his village was facing the scarcity of water and basic resources, which many of the states villages are still facing due to the lackluster behavior of not only the state officials but also the villagers them self.

## SIMON ORAON: THE TRIBAL ENGINEER

A young Simon, years later decided to construct an earthen dam to harvest rainwater and dig well for the irrigation purpose. He was supported with a few young lad of his age group for the cause. His first attempt to preserve water failed after the heavy rainfall which broke his dam but failed to break his strong wills. He visited the block office repeatedly, pleaded them for a concrete dam and his plea was heard. After the construction of the dam, several families in the villages were benefited. There was a decline in the number of migrants in the villages. Simon didn't stop there. He stated planting trees with the motive of restoring the forests in his region. Alone he started to plant saplings across the barren lands and took care of it. Soon his efforts were accepted and practiced in the nearby villages as well.

The water level in Bedo has increased these years. The wastelands turned cultivable, and there was sufficient water to grow more than one crop a year. Barely 20 per cent of Jharkhands fields grow rabbi crops. Today, Bedo has become the agricultural hub of Jharkhand. The block supplies nearly 20,000 metric tons of vegetables to various districts in Jharkhand, besides neighboring states like Odisha, Bihar and West Bengal.
Since he received the awards, Simon has delivered lectures in several colleges and universities in his maiden languages. He always tried to
inspire the youth in maiden language. Once on his visit to the central university of Jharkhand, he said with his hands folded, I hope my award will inspire you all to conserve the environment. His exemplary effort to conserve nature is an inspiration to all who waits for the government to do an action for improving their situations. Though Simon's work has been now recognized nationally, his village still remains with the lack of basic infrastructure. The government shall address the issues linked with the village. The village lack basic healthcare facilities well as educational infrastructure. The future generations of the village are required to be provided with adequate resources, so that someday they would come up to be the next Simon Oraon. Simon's story is not only for publication on newspapers or the TV. But it should be practiced and followed in order to see a beautiful society for our future generations.



## Souvagya Behera

Electrical, 1st year
Among the ancient Indian Sanskrit poets the great poet kalidasa is the most distinguished one due to his extra ordinary contribution to Sanskrit drama literature court epics and lyrics out of all these works of Kalidasa Abhijnana Sakuntalam is worldwide due to its depth and gravity. Even though the drama deals with the romantic atmosphere of Dusyanta and Sakuntala still the entire drama is dealt with other aspects such as sunrise, beauty of nature code of

## WOMEN EMPOWERMENT DURING KALIDASA PERIOD

conduct for a king, rules and regulations of house holders, freedom of speech etc. While going throw the text of Abhijnana Sakuntalam. We can notice the rights and duties in connection to society of the moment in Abhijnana Sakuntalam. Indian tradition tells that Matrudeva Bhaba, pitrudeva Bhaba, Atithideva Bhaba. Hence hospitality towards the guest is considering the most virtue of work in Sakuntalam and such hints. We notice in Sakuntalam by the female characters. More over in Sanskrit there is a popular saying that serving others is the most virtues deed of women such instance also we get from Sakuntalam other aspects of women in connection to society such as rationality, sacrifice, equality, behaviour, democratically thoughts etc. are noticed in Abhijnana Sakuntalam.

The social backgrounds of Sakuntala get clear when she offered
her service of hospitality towards the king. The importance of a daughter to the parents is well expressed in this drama when Sankuntala got depressed seeing says Kanva at the time of departure from the hermitage from Abhijana Sankuntalam is evident that certain social religious and family related rules and regulations which operated as social sanctions. From the above mentioned facts it is evident that the social position of women during Kalidasa period was moderate as it is informed
Abhijnana Sankuntalam and remarkable.


## Shreya Das

E\&TC, 1st Year

We, my mother and me both fight a lot almost on each and everything when this is said it is not because of hatred.

## SHE IS THEREFORE I AM

The fight happens because of our difference in opinions, which arise due to our age gap. We both disagree with each other on 99 things but at the end of the day the one thing that binds us together is love for each other.

No matter how much I fight or disagree with her but without her there is no existence of mine. The fights,quarrels, disagreement or be it sharing everything with each other is what makes our bond stronger.

The bond between a mother and child is something which is deeper than the oceans and limitless as the sky.
My mother made me the person I am today. One day I hope to grow up to be the half the person she is. Nothing can bring her down. I took after her in everything. With her around, I know I can take on the world.
Thanks to all the mothers in the world. They dream for us and makes sure it turns into reality.


## Pritam Debnath

Mechanical, 2nd year

Teachers play an important role in our life to become successful in career and business. A good teacher helps us to become good human being in the society and a good citizen of the

## WHY TEACHERS ARE IMPORTANT IN OUR LIFE?

country. Teaches know that students are the future of any nation.
So the future development of any nation is in the hands of a teacher. They impart the knowledge in the brain of students to analyze. Analyzing in the situation what is possible is the most important thing that we learn from a teacher.

Application of teachers is very important because they are most important people in the country. What we're seeing today in business, politics and society are all
affected by teachers. So in India we celebrate teachers day every year on 5th September on the occasion of the birthday of Sarvapalli Radha Krishnan (5 sep 1888-17 April 1975).

## "Teachers should be the best minds in the country".

Today the people are changing and their thinking and development ideas are more against nature. A teacher is playing very important role in every students life. So we should respect every teacher at every moment. Teachers are like God for every student.


## Pratnadeep Sinha

Computer Science, 1st Year

Life today is governed by the offshoots of science. We have many new comforts of life that our forefathers did not posses. So can we really settle down to the conclusion that we are happier than our forefathers had been? It is very puzzling question. If you think about the life of our forefathers, one can be

## ARE WE HAPPIER THAN OUR FOREFATHERS?

left shell shocked at the hardships they endured, however we know from our hearts that they have attained more happiness than modern man have.
In today's world most prefer work from home through technologies like laptop and cellular phones. Yet today man has been confronted by various diseases and has to tackle stress. Why is that a primitive man working several times a day harder than the modern man had time for leisure activities but a modern man has to make time for leisure. Technologies and modern equipment were made to make Man's life stress free and relaxed but rather it has made life more complex and vexed.
Some centuries back, a disease 'AIDS' was unheard for the ears but now in this technologically advanced and
medically developed era, researchers are still handicapped finding a cure for this deadly disease.
Where it is easy for a person to reach the space, in the same time it is difficult on one's part to buy a ticket and meet with parents for real, who had taught us what Moon is and how to reach there.
These facts make me think "Are we happier than our forefathers"? In my opinion we are not as happy as they were. Our forefathers lived as tress free lifestyle, contended with little bout of happiness but today everyone is running a race to achieve more than a handful. Let's just think if working from morning to late night is what gives us happiness, then let us think a little bit more and reflect on it.


Upali Aparajita Dash
Sr. Lecturer, E\&TC

## HOME AWAY FROM HOME

Students leave their homes, come to study
But feel nervous, scared in the environment of technology
Founder planned a perfect and friendly solution
By giving tutor mentors, to reduce the puzzled situation.

Mentees have security feeling being at home
Mentors guide, teach and love students without any conditions and terms.

Reading, obeying, performing arts the good qualities of mentees
With the support of mentor each one cross hurdles of miles

Either one fall sick or gets low in studies
Only tutor mentors help in those critical times.

Parents have ultimate trust on tutor men mentors

They feel so relaxed seeing their wards responsible executors.

In no other institute like our KIIT
You will find such nourishment for the mentees.

Long live or KIIT polytechnic's glory With the holistic care, respect and values of harmony.


Saikrishna
Faculty Associate, English

## AFTER THE ASSES

I'll smile, I'll be pretty Acting like there's nothing to hide If I laugh don't think I'm happy No one knows my darkest side.

I'll stand, I'll keep on walking Acting like failure isn't an option If I continue don't think I'm healing I hope to hide my fears within the heart.

I'll cry, maybe you won't see Acting silently between a shadow If I fade out don't search for me Because I was long gone Before you can even find me.

Now I'm gone,looking from above I see all the people I loved They all say they'll regret that I'm gone
Wish they said it before, Cause it's already done.

## BIBLIOPHILE

First second elapsed now I decided to take a vow Since our first encounter Nature has united us with a thunder Pictured you few seconds before To keep you in my soul forever Counting down the moments To start a new life with your presence
Keep you in my arms Make you hear my heart beats Focusing all my energy

Discarding all my lethargy A new wonder to build

Where all the magic moments to be filled

Wished for our happiness and joy To manifold without anyone's ploy Keep away all the darkness Keep away all the hindrances Aim of my life to unite Finding my future with you in front of my sight
I pray god for our strength
Stay with us till our life's full length
I die to see you and your life saving smile

Preserve everything with you in my mind's file

Dedicating all my poems for you Don't want to live a single moment without you.

## IT'S ALL IN THE STATE OF MIND

If you think you are beaten, you are, If you think that you dare not, you don't,

If you'd like to win, but you think you can't,
It's almost certain you won't. If you think you'll lose, you've lost, For out in the world you'll find Success begins with a fellow's willIt's all in the state of mind.
Full many a race is lost are even a step is run,
And many a coward falls are even his work's begun,

Think big, and your deeds will grow; Think small, and you'll fall behind; Think that you can, and you willIt's all in the state of mind.

If you think you are out-classed, you are;
You've got to think high to rise;
You've got to be sure of yourself before
You ever can win a prize,
Life's battles don't always go
To the stronger or faster man;
But soon or late the man who wins Is the man who thinks he can.


## Sourav Pani

Mechanical, 3rd year

## NEVER

 LOOSE HOPEWhere there's life,There's suffering Where there's suffering,There are always lessons.
Where there are lessons,There's always growth.

Where there's growth,There's always hope.
Where there's hope,There's always love.

Where there's love,There are always miracles.

Where there are miracles,There's always God.
Where there's god,There's always life anew.

So, never lose hope!
Because many wonderful things await in this life.

In times of sorrow, all sorrow arrives With many unexpected blessings.


Tanmaya Senapati
Electrical, 3rd Year

CREATIVITY VIRUS

I want to fly in the horizons of creativity
I wish my art will exists up to Infinity
As a curious seeker of truth
Holding the pen of rationalism
Let me paint my thoughts with liberty
I want to fly in the horizons of creativity.
Let me not demarcate myself in the four walls of my room
Let me capture the bounties of nature with my camera's zoom Holding the light of artistry I resolved God's mystery I want to get rid of dark adversity

I want to explore my latent ingenuity I want to fly in the horizons of creativity.
As a vicegerent of God's creation I developed my power of imagination Sitting beneath the tree for hours Thinking elaborately on peace and wars
I discover my eternal self
That's the aim of my celibate nativity
I want to spread my message of divinity
I want to re initiate the phenomenon of spirituality
I want to fly in the horizons of creativity.


## Ankit Kumar Behera

Electronics \& Telecommunication 2nd year

## IF LIFE IS A COMPUTER

If life is a computer,
A few tips are here to make it better.
Delete the sorrows,
Save the happiness,
Hide your enemies,
Enter your friends,
Make your character as hardware,
And your heart a software.

Simplify yourself as a happy
Glaze your body like a CD, Redo your good things, Undo your bad things, Delete ego

When the above rules are followed Your life never gets hanged.


## Pratistha Priyadarshini

Electronics and Telecommunication 1st Year

## DREAMS

We slip beneath the pillow's space While the soul drifts from heaven to hell
To lose control of conscious mind
The secrets of our soul to find.

A strange world that we step in Fake dreams that trap us within A camouflage is what its called A contradiction to the genuine world.

Know what desires buried within your heart
Gain the courage and hit the dart. Yes, you are the truth yet not spoken.
Figure it out before you are woken.

A lie that's yet to reveled Something hidden and properly sealed.

You are the verdict not yet given Of mistakes, yet to be forgiven.

Reflection of our dormant fears Once woken may reduce to tears. With sleep the dreams free to prey, On untold thoughts which rightly stray.


## Arkajyoti Saha

Electronics \& Telecommunication 2nd year

## THE AIM OF LIFE

This life is like a straight path,
Nobody should go on this with worth,
Walk on it without hindrance,
Walk on it with perseverance, Without a backward glance, With a forward plank.

Touch the aim of your life, With hard work and labour, With pain and anger, Do not get blown off.

Get on with all your power, With results you have to shower, Don't you ever halt, Or it will be your fault, Touch the aim of your life, With a blissful surprise.


## Aneek Biswas

Computer Science, 2nd year


You invite me to places
Where escapes my social graces
I struggle to find bearing
Without a smearing

Is it a list of names
One mouths to show
who's who in the game
I have nothing to share
Only a beating heart to have.

I am lost in the milieu
Words escape anew
You say to maintain social
I wonder how do I dare.

Mundane escapes my imagination Or is it a sign of degradation For attention everyone views But I want to escape from glare of prying eyes.


Akankshya Nayak
Electrical, 2nd year

## WHY GOD MADE TEACHERS?

When God created teachers, He gave us special friends

To help us understand his world And truly comprehend the beauty The wonder of everything we see And become a better person With each discovery.

When God created teacher He gave us special guides
To show us ways in which to grow So we can all decide

How to livens how to do What's right instead of wrong To lead us towards the right path And learn how to be strong.

Why created God teachers
In this earth, his wisdom and his grace

Was to help us learn to make our own world
A better happier place for all.


Rohit Kumar Singh
Mechanical, 1st Year

Love is like the wild rose-briar, Friendship like the holly-tree
The holly is dark when the rose-briar blooms

But which will bloom most constantly?

The wild-rose briar is sweet in the spring,
Its summer blossoms scent the air;
Yet wait till winter comes again
And who will call the wild-briar fair?

Then scorn the silly rose-wreath now And deck thee with the holly's sheen, That when December blights thy brow

He may still leave thy garland green.


Shailini Priyadarshini Sahoo
Electrical, 2nd year

## DREAMS SHATTERED

Unpredictable is the end of dreams; Sometimes we rejoice, sometimes we moan
Sometimes they can become real, Sometimes they may remain virtual.

Parents tend their children with immense devotion

Yet there is love in full measure
They expect their children will take care of them, in the twilight years
But alas! It's only a dream.
During their last stage they are left lonely,
Sent to old age homes
Where their fate is to only cry and moan

They think about their home and family for days,
And how life has changed drastically.
The home they had built by taking so much pain
That home no longer belongs to them.
It makes them lament more and more,
And brings immense pain.
They still want their children to prosper:
Blessing from the heart,
Let us give them the best time,
And emotional bounding,
They need nothing but love and affection.

Harish Ku. Swain Mob.: 9861161308

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Prop. - Surendra Ku. Swain

## STRANGER

I walk alone, with no one around
In calm neighbourhood, on silent grounds.
All children afraid of me, all adults malign
I am just like you, God give them a sign.

To everyone I am outlandish
They think I am dangerous
They think I was just a stranger.

They must have forgotten my face, that all.
I fought in the autumn, this is just that fall.

They will soon remember the hero of their lives
They think I am dead, but I am in disguise.
I was their legendary ranger.
But now I am just a stranger
I fought for your freedom You forgot me so soon
But try to remember me seldom.
Think of me as a boon.
Think of me as a fighter.
Not just any stranger.

## MEMORY OF YOUR LOVE

Endlessly reminiscing about you I fall asleep next to the sky The fragrance breeze reminds me of you
Stars meet the sky as your heart meets mine.

I don't know I reached the last street As I stand waiting for you,
The world has never heard a tale such as ours,
Can some one show us some mercy and kindness?

The wish was that the world should should see,
That are no lovers crazy like you and me.
We were hiding in the dark night
We were trying to find the lost dawn.

It was as if we were sleepless since centuries
We were concealing our love for each other
Then we missed our step
Stumbling upon to the path of love.

The world has never heard a tale as ours
The memory of your love will stay with me
My heart will not let me forget The sweet-sour taste of this fateful love.


Sita Murmu
Civil, 2nd Year

## GOD

God! You are the creator of this nature. You are as like my family member For you, I am born here And live here without fear.

God! You are omnipresent And you are omnipotent You are also omniscient Please show me my life's content.

God! Please become my teacher Don't let me do mistakes further Help me get my correct solution. Stay with me in every situation. God! You are my best friend. For you this world is made. Help me during my difficulties, And to complete my duties.

God! You have no explanation, Who can give your comparison? Help me to fulfil my aim And to give my parents name and fame.

God! You are a great indicator In all things you are master Magician like you, I never see Please God give your blessings to me.


Anmol Ku. Baliarsingh
Civil, 1st Year

## CHEMISTRY

Oh, Chemistry! Are you a mystery? Who started you in history?
Your chemical equations create irritations.
Your formulas are not so bad, But it makes me mad.

When I read about elements and compounds,
My mind bursts with great sound.
When comes metal and ores, I feel myself in Earth's core.

Potassium Sulphate or Sodium Nitrate
Makes my hair stand up straight.
When comes chemical taste sweet or sour,
I want to hide behind the Eiffel Tower.

When I hear chemical equations, My mind takes an inverse action. Methane, ethane, propane, butane These tune makes me frightened.

Oh Chemistry! You are an unique creation,
Indeed, you are beyond my imagination.

## Our 2nd Year Students




Our 2nd Year Students


## Rakesh Roshan

Lecturer, Electrical

प्रबंधन संगठनात्मक व्यवस्था का अभिन्न अंग है। एक सामान्य उद्देर्य की प्राप्ति की दिशा में सामूहिक प्रयासों का यथोचित नियोजन, निर्देशान, समत्रयन एवं नियंत्रण इसके प्रमुख तत्व है। किसी भी संस्थान के लक्ष्यों की प्राप्ति के लिए इन तत्वों के बीच समव्नय का होना जरूरी है। जहां तक बात रौक्षिनिक प्रबंधन की है यह अपने उद्देरयों की पूर्ति के लिए भौतिक, मानव, वित्तिय एवं सैद्धांतिक - इन चारों तत्वों का प्रयोग करता है। अगर प्रशासनिक प्रक्रिया के कार्यों की बात की जाए तो वो निम्नलिखित है।
१. नियोजन
२. नियंत्रण
३. समव्रय
૪. संगठन
५. निर्देशान
१. नियोजन: यह किसी भी प्राशानिक व्यवस्था को सुचारू रूप से चलाने के लिए सबसे महत्वपूर्ण कदम है। किसी भी प्रसाशिक तंत्र की सफलता बहुत हद तक उसके नियाजन पे निर्भर करता है। इस

## रैक्षिक प्रबंधन एवं प्रशासन

संदर्भ में नियाजनकर्ता का योजनाओं के पीछे की दूरदर्शिता एवं व्यभारिक क्रियाव्रयन की समझ, किसी भी संस्थान की सफलता के प्रमुख घटक है। नियोजन के लिए महत्वपूर्ण कदम है - लक्ष्य निर्धारित करना एवं लक्ष्य के क्रियाव्नयन के लिए योजनाओ का निर्धारण करना।
२. संगठनः किसी भी संस्थान को सुचारू रूप से कार्यरत करने के लिए एक मजबूत संगठन की आवरकता होती है। उसमे कार्यकुराल व्यकियों के बीच उनकी दक्षताके अनुरूप कार्यों का वितरण अति आवर्यक है।
३. निर्देशान: निर्देशान वह कार्य है जिसके अंतर्गत संस्था के सदस्यों का पर्यवेक्षण, संमप्रेषण, मार्गदर्शन, नेतृत्व एवं अभिप्रेरण किया जाता है ताकि संस्थान के उद्देशयों को अधिकतम कुरालता से प्राप्त किया जा सके।
४. समव्नयः यह संस्थान के सभी कार्यों में सामंजस्य बैठाने के प्रक्रिया है। इसके अभाव में लोग अलग अलग दिशाओं में काम करतें हैं और संस्थान का उत्पादकता, उद्देरय एवं लक्ष्य प्रभावित होता है । इसके अभाव में संस्थान का अस्तित्व भी खतरे में रहता है।
५. नियंत्रण : यह निर्धारित लक्ष्यों की प्राप्ति के लिए किए गए कार्योंकी जांच तथा उनमें त्रुटि का निराकण करना है।

अतः प्रशासनिक प्रक्रिया को सुचारू एवं सफलता पूर्वक क्रियाव्रन के लिए उपरोक्त क्रियाओं का समुचित रूप से होना आवश्यक है। पार्कर फोलेट अनुसार किसी संगठन के सम्पूर्ण अधिकार व शक्ति किसी शीर्ष अधिकारी को सौंप देना उचित नहीं है। उन्होने ये सुझाव दिया की प्रत्येक व्यक्ति को कार्य सत्ता दी जानी चाहिए। अर्थात जिस व्यक्ति को जो कार्य सौपा गया हो उसके लिए वो अंतिम रूपसे उत्तरदाई होना चाहिए। उनका मानना था कि व्यक्ति को कार्य के प्रति उत्तरदाई होना चाहिए ना की किसी व्यक्ति के प्रति। प्रशासक को विभिन्न वैक्तिगत एवं सामूहिक उत्तरदायित्वों में समव्नय स्थापित करने वाला होना चाहिए। इनसबों के अलावा प्रशासक को कर्मचारियों का मनोवौज्ञार्निक एवं सामार्जिव आवश्यकताओं जैसे कि महत्वपूर्ण बनने की भावना, समाज में इज्जत के साथ रहने की भावना, आत्म समान की भावना, जीवन में कुछ प्राप्त करने के अभिलाषा इत्यादि के प्रति संवेदनशील होना चाहिए। रिक्षा जगत निरन्तर बदल रहा है- नये विचार, नये तकनीक के साथ साथ नई नई चुनौतियों भी उठ रही है। इसके फलस्वरूप नवीन प्रवृतियों का जन्म हो रहा नए सामाजिक एव म्नीतिगत मूल्यों का उदय हो रहा है। प्रशाशान का स्वरूप अत्यंत गतिशील हो चुका है। अतः संस्था के बहुआयामी विकास के लिए प्राशासक का निर्णय एवं निर्देशान सभी त्थयो पे आधारित होना चाहिए।


## Jayant Singh

Mechanical, 1st year

मै पेड़ हूँ और अभी मेरा कटना बाकी है। जरूरी नहीं की काटा ही जाऊँ। आँधी मे टूट भी सकता भी हूँ। उखड़ने का भी खतरा है। अभी मुझे इस दुनिया मे आए सौ से अधिक वर्ष हो गए है। मेरा अपना कोइ नाम नहीं है। बस पेड़ हूँ। ल्रोग मुझे पीपल कहते है। पीपल का पुराना पेड़ मेरी जड़ें मिट्टीम मे गहराई तक फैली है। कुछ दिन बरसात न भी हो तो भी जी लेता हूँ। दम तो मेरा भी घुटताहै। अपनी प्यास के कारण इनकी प्यास को देखकर। इन अनेक पँछियों ने मुझ पर घोसले बना रखे है। जब मै छोटा था तब भी मै इसी गाँव इसी जमीन इसी तलाब के किनारे लगभग यों ही 'खडा रहता' है। धीरे-धीरे मेरा आकार बढ़ा। छोटी ढालियाँ बडी हुई तना भी तनते-तनते जमीन से काफी उँचा हो गया है। अब जब मै आईना हुँ तो मुझे अपना बदलता चेहरा और भी अछा लगता है। नीचे तो तालाब है वही मेरा आईना है। उसमें रोजाना पशुपक्षी पानी-पीने आते है। पशुओ को नहलाया भी जाता है और फिर बहुत सारे

## पेड़ की आत्क्कथा

प्राणी मेरा छाया मे विश्राम करते है। मेरी टहनियाँ उन्हें छू तो नहीं पाती बस ठंडी छाया देखकर ही संतुष्ट हो जाती है। पक्षी मेरे छोटे-छोटे फल खाते है। जब मेरे नये पत्ते आते है तब मै नई ताजगी मह्सुस करता हूँ। यही खड़े-खड़े पास के खेतो मे नई उगती फसले देखता हूँ। फसले कितनी जल्दी पकती-कटती है। हर दिन सुरज का उगना अपने उपर से गुजरना। फिर सांझ का ढलना देखता हूँ। चाँदनी अंधेरी राते

उन रातो का सन्नाटा सब सहेज कर रखा है मैंने। मुझे लोग पूजते है। लेकिन अपने आँगन से दूर भी रखते है। जब जिसका मन होता है। यही आकर मुझसे भँट कर लेता है। अपने-अपने काम और सुविधा से सब प्रस्थान कर जाते है। मै पेड़ मेरी कथा अनंत है। मेरा बीज जाने कहां-कहां कितने सारे जी रहा होगा। पेड़ होने से एक बचत तो रही। भटकने से बच गाया। जो भी मेरा छाया मे आया, मेरा हिस्सा हो गया।

## रदक

दामन बचाने को तेरी, बूढी माँ को छोड कर आया हूँ। छोड उसका आँचल तेरी, धरति रंगने मै आया हूँ।। उतार सेहरा सर से, मै कफन बाँध के आया हूँ। रोती बिलखति पति को छोड, जल्द लौटुँगा कह आया हूँ।। गद्दारों दुष्मनों की खून से, होली अब हम खेलेंगे। तेरी दामन को जिसने बुआ, जान उसकी हम ले लेंगे। खेलेंगे उनकि खून से होली, अपनी जान की बाजी लगा देंगे। झुुकने ना देंगे तिरंगा तेरा, सर अपनी हम कटा देंगे।।

कसम हमने खाई है,
इन गद्दारों को सबक सिखाने की।
लहू बहा उनका तेरी, धरती को सींच जाने की।। पापीयों का नाश कर, गद्दारों को सबक सिखाऐंगे। बचन देते हैं तुझे, फैरा के तिरंगा लौटौंग।। हौंसला ना कभी डगमगाए मेरी, ये आशिर्वाद मुझे तू दे माँ। मौत भी अगर हो सामने तो, आँख मिलाने कि ताकत तू दे माँ।। बस इतनी इल्तिजा है तुझसे, जो वीरगति मै पाऊँ। न मिले माँ का आँचल तो, तिरंगे पे लिपटा आऊँ।। करते करते रक्षा तेरी, जो जान मै अपनी हारूँ। जन्म लेकर उसी माँ से, फिरसे रक्षा करने आऊँ।। रक्षाकर्ण की रीत ये, सदियों से चली आई। प्राण तक न्योछावर कर देंगे, है कसम ये हमने खाई।। मेरे देशवासी तू डर मत, सिमाओं के हैं हम सजग प्रहरी। बेखौफ गाएजा गित खुशि के, भारत माँ है हमें अपने जान से प्यारी।। जय हिंद जय भारत।।।


## Piyush Rai

Electrical, 3rd year

## दोस्त अब थकने लगे है

किसीका पेट निकल आया है, किसीका बाल पकने लगे है....

सब पर भारी जिम्मेदारी है, सबको छोटी मोटी कोई बीमारी है।

दिनभर जो भागते दौडते थे, वो अब चलते चलते भी रुकने लगे है।

पर ये हकीकत है,
सब दोस्त थकने लगे है...
किसी को लोन का फिक्र है, कहीं हेल्थ टेस्ट का जिक्र है।

फुर्सत की सब को कमी है, आँखों मे अजीब सी नमी है। कल जो प्यार के खत लिखते थे, आज बीमे मे फार्म भरने में लगे है।

पर ये हकीकत है
सब दोस्त थकने लगे है.......


## Anmol Kumar

Civil, 1st year

## प्रणाम

मेरे ईश्वर तुझे प्रणाम
जन्म देकर मानवमें मुझको
किया है तुने एक नेक काम मेरे ईश्वर तुझे प्रणाम ।

दुखः सहकर भी जिसने है पाला, दिया ऐसा माँ का वरदान, उँगली पकड़ सँसार दिखाया, ऐसे जनक को मेरा प्रणाम।

सदा राह दिखाने वाले गुरु कि महिमा को है प्रणाम,

भारत माता, गौ माता,
धरती माता को प्रणाम।

किन्तु अलग है यह प्रणाम, देशा सेवा पर मर-मिटने वाले
वो अमर राहीद वीर जवान,
उनके चरणों में हो रात्तरात्त प्रणाम।

आदर्शों पर मरमिटने वाले, बनाते है इस धरती को जो स्वर्ग धाम, श्रधा से है मेरे उस ईश्वर, को बारम्बार प्रणाम।


## Rupesh Kumar

Electrical, 3rd year

## माँ

बहुत याद आती है माँ,
मैं हूं कौन बताया था माँ ने।
मुझे पहला कलमा पढ़ाया था माँ ने, वो यह चाहती थी कि मै सिख जाऊ। वो हाथो से खिलाती थी मुझको, कभी लोरियाँ भी सुनाती थी मुझको।

वह नन्हे से पैर चलाती थी मुझको, कभी दूर जाकर बुलाती थी मुझको। मेरा लड़खड़ा कर पहलू में गिरना, उठाकर गलेसे लगाती थी मुझको। कि चलना सिखाती है माँ, बहुत याद आती है माँ।

दर्द क्या होता है, पूछो उस बच्चे से जिसने बचपन मे ही माँ को खो दियाहै।।


## Anjanee Kumar Nayak

Civil, 1st year

## दिल की बात

शक है तू केहती तुझे अपने प्यार पे शक है तू केहती तुझे अपने प्यार पे तोह तेरे वादों के क्या मायनें इतने लाखों तारे बान्टके ।

तुझको हम जीतना समझे
उतना किसी इन्सान के बस में नहीं
तुझको हम जितना प्यार दीए
उतना कोई इन्सान दे सकता नहीं ।

तेरी बेपरवाह बातैं
तेरी झूटे वादैं
तेरी दीए हैं सानसैं
आज भी उन सबकी याद में भरते हैं हम अपनी आहैं ।


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Swetjyoti Banik


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Sayan Mandal
Mechanical, 2nd year



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