



# SOUVENIR



UTKALMANI GOPABANDHU INSTITUTE OF ENGINEERING



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## VISION

**To be a leader in innovative technical education with a unique amalgamation of inspired learning and rich experience to sustain the changing needs of industry expertise for our nation.**



## MISSION

- ▶ **Technical excellence - emphasize critical thinking and hands-on learning.**
- ▶ **Growth mind set - nurture a love for challenges in our students and inculcate agile behavior.**
- ▶ **Integrity - ensure an uncompromising value system for high ethical standards.**

## HISTORY

The Institution was started by the Government of Odisha under the Industries Department in the year 1962 and was named "Composite Polytechnic", Rourkela. In the year 1966, the name was changed to "Rourkela Polytechnic" and again in 1968 the institution was renamed "State Technological Institute", Rourkela. Subsequently in the year 1976 the name was changed to UTKALMANI GOPABANDHU INSTITUTE OF ENGINEERING, Rourkela (UGIE). The institute was established to cater the needs of Rourkela Steel Plant along with other industries of the State. It was the only institution in Eastern India imparting Diploma Engineering in Chemical and Metallurgical branches. The institute got another feather on its cap by introducing Ceramic Technology in the year 1995 for the first time in Eastern India.





FROM THE DESK OF  
*Principal*

## PRINCIPAL'S MESSAGE

As correctly said, "Youths are the nation's tomorrow and the most precious human resource". So, they need to be nurtured carefully and it is our duty to provide an academic environment to enable them to understand their role and create a great future.

Speaking about our growth and level of attainment, the feeling gives me immense pleasure, that UGIE-Rourkela has remarkable growth as a unit in all these about 60 years of its journey. Our alumni have passed through the test of time and have been able to create a niche for themselves and set different milestones in their roads to success.

Our objective is to promote job oriented education amalgamated with human skills, including life skills to enhance the learners' capacity in adapting to changing skill requirements. We infuse life building, man making, character making assimilation of ideas into the young minds to groom themselves for scientific and logical thinking and achieve the goal that benefits the society as a whole.

Our website will provide an insight into the appreciable activities, milestones of achievements created by the young UGIEans as well as the faculty members .

It is the collective efforts of the faculties, students, guardians, other stake holders and the blessings of God that has helped UGIE being a pioneer in the field of technical education today.

Thanks and regards to all

**(Mrs. Pragati Das)**  
Principal

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## **Impact of Nanomaterials on the Environment**

Nanotechnology, the science and technology of nanomaterials is considered as one of the key technology of the 21<sup>st</sup> century. Nanomaterials are man-made, possessing special properties and functions, with at least one external dimension that measures 100 nanometers. Nanomaterials include nanoparticles, nanocrystals, nanoclusters, nanotubes, nanowires, nanorods, nanofibers, nanofilms, etc. Arising out of their inherent quantum size and shape effects nanomaterials have many important applications. When the material size decreases into the nanoscale, dramatically increases in surface area to volume ratio and surface active sites can be achieved leading to superior physicochemical properties (i. e. mechanical, electrical, optical, catalytic properties). Therefore, nanomaterials with different dimensions such as nanoparticles, nanowires, nanofibers etc., have been used as excellent adsorbents and catalysts. As the diameter of a material shrinks to nanometer range, the surface area of materials enhances exponentially at the same density. Because of their reduced size and large radii of curvature, the nanomaterials have a surface that is especially reactive (mainly due to the high density of low-coordinated atoms at the surface, edges and vertices). These unique characteristics of nanomaterials can be applied environmental cleanup, particularly to degrade and scavenge pollutants present in water and air.

### **Positive Impacts on the Environment**

Engineered nanomaterials exhausted into the atmospheric environment tend to be exposed to sunlight and UV wavelengths at significantly higher degrees than those released into other compartments. This exposure is likely to increase the possible outcomes of photochemical changes to nanomaterials.

Nanomaterials are used in aircrafts as a substitute of conventional composites to help reduce aircraft weight, saving thousands of tons of fuel. Furthermore, nanomaterials are applied in wind turbine blades to make them stronger and lighter, helping increase their energy conversion efficiency. Nanomaterials are progressively used in automotive exhaust systems and petroleum refining systems to boost chemical reactions while reducing pollution and expenses. Nanomaterials have been successfully implemented for the purification of air and water by means of adsorption, filtration, and oxidation techniques with greater efficiency than conventional techniques. Nanosilver particles have a broad antibacterial effect on a range of Gram-negative and Gram-positive bacteria and antibiotic-resistant bacteria strains. Nanosilver is an effective antifungal agent against a broad spectrum of common fungi. Nanosilver particles can inhibit the growth of *Candida albicans*, *Candida glabrata*, *Candida parapsilosis*, *Candida krusei*, and *Trichophyton mentagrophytes* effectively.

In recent years, the use of nanotechnology in food safety has gained increasing attention. Nanotechnology based detection systems vary in their mechanisms and designs but they share the same goal, that is, timely and accurate detection of trace pathogens or other contaminants. Nanotechnology is of great use in many fields, in particular in the agro food industry, where it is used primarily in: primary production, food processing and packaging and food supplements.



### **Negative impacts on the environment**

New nanomaterials may react with biomolecules, cells, organs and organisms in a new and unexpected way. Therefore exposure of humans and the environment to nanomaterials may result with possible negative impacts. Public and regulatory acceptances are additional elements in nanotechnology that have been required. This is primarily focused on the health and safety of the materials and products including the environmental impact. Some materials are wonderful at a particular task but are not acceptable due to their environmental impact. Toxicological function is affected by the particle size, compounds, or aggregation of these nanoparticles. There are some negative effects of nanomaterials on biological systems and the environment caused by nanoparticles, like chemical hazards on edible plants after treatment with high concentration of nanosilver. Also in some cases, nanomaterial generated free radicals in living tissue leading to DNA damage. Therefore nanotechnology should be carefully evaluated before increasing the use of the nano agromaterials.

The growing production and use of nanomaterials in diverse industrial processes, construction, and medical and consumer products is resulting in increasing exposure of humans and the environment. Humans encounter nanomaterials from many sources and exposure routes, including ingestion of food, direct dermal contact through consumer products and by inhalation of airborne nanomaterials. The increasing use of nanomaterials in our life or the customer productions has inevitably caused the accumulation exposure of the nanoparticles into the environment, yet the fate of these particles may greatly depend on their environmental mediums, physical or chemical property. Therefore, the superficial area of nanoparticles and other physicochemical properties may greatly influence their transformation and bioavailability during spreading into environment

Despite the advancement and development of new nanomaterials, they still have positive and negative effects both on the environment and on human beings. Accordingly, nanomaterials can be compared as drugs because it is well known that they have both desired and undesirable effects. Until now, nanomaterials have been explored for many different applications in diverse sectors including catalysis, sensing, photovoltaic, energy, environment, and biomedical. However, the level of nanomaterials in the environment is consistently increasing. The hazards of nanomaterials to plants, animals and microbes have an indirect effect on our humans. Increased attention needs to be directed towards the new nanomaterials because the development of knowledge of these nanoparticles is still in its infancy.



## Live Life, Don't Just Exist

To lead a life of adventure is certainly very exciting and amazing. It involves breaking free of certain social conditioning and challenging yourself to work upon your mental fears, which are mostly in your mind, and discovering unlimited freedom and opportunities. We, therefore, need to be willing to undertake adventure as it is a necessary part of happy existence. It is important to spend your limited time on earth doing some of those things that make a difference and give one enjoyment rather than simply sinking all the time playing the normal routine game of “delayed gratification”.

Taking action helps one to build a more enriching life and enables you to embrace life with more passion each day. The desire for sameness never contributes to anything exciting but makes our life and spirit dull. A variety of sports and recreation are adventurous to a lot of people today. Some people race cars, skydivers jump out of a 5 aeroplane, mountain-climbers scale peaks etc. This helps them to escape their daily stress and gives them a 'high'. So it is important to live life to the fullest and it is also surely worth making the effort to 'live' with an adventurous spirit.

**SAIRAM PRADHAN**

Branch:- Mechanical Engineering

Regd No:- F21013004071



## Impact of Advertisements on the younger generation

The advertisement industry has a tremendous impact on the younger generation. As citizens of the modern world, advertisements have become a part of the daily lives of youngsters and they have got used to being bombarded with numerous advertisements over the course of their day.

Advertisements have become so common for them that they often do not even realize that they are hearing or viewing them. So they have a pervasive influence on the youth. In the ever-expanding world of consumerism and advertising, companies are constantly looking for new ways to sell their products to the youngsters by making their commercials and campaigns more memorable, to leave an impact on their minds. The younger generation has become their prime target because they have more spending power than ever before and increased avenues at their disposal. Therefore companies spend enormous amounts of money to rope in popular film stars, cricketers, musicians etc. to endorse their products.

This helps to ensure popularity and early brand loyalty. In the last decade many superbrands have looked towards new and outrageous ways to capture young audiences through appealing campaigns as these youngsters are cognitively and psychologically quite defenceless against advertisements. Clearly, advertisements represent 'big business' and has a significant effect on young people who need to be educated about the effects of advertising, that is, media literacy. This will prove to be helpful in mitigating the harmful effects of advertising on youngsters.

**SIDDHARTH BEHERA**

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## Causes of Stress on the Modern Generation

The main cause of stress on the modern generation is the cut-throat competition and consumerist culture prevalent in our society. This always puts them under pressure of efficiency and productivity. The modern environment is highly competitive and calls for relentless effort on the part of each youngster. To achieve the goals they have to devote all their time and capacity, without rest. So they have no time to care even for their own selves. They have no time for relaxing or to pursue something of their own interest sounds like a luxury to them. The effects of this stress on the youth also visible in their physical being whereby they have increased pulses and a lot of tension in their muscles.

With increased professionalism and specialisation there seems no practical and suitable solution for this stress due to the competition. In this age of consumerism, it is not surprising that the youth of today are also constantly vying to outdo each other in acquiring material things. But now it is high time each one of us sat back in quiet introspection to contemplate where we are actually heading in this high-speed pace. Our health and well-being will have to be our primary concern for, as they say, “a healthy mind lies in a healthy body”. Let us stop living like robots. We are humans and have to behave likewise and not like machines which are our own creation.

**SWETA RANI BEHERA**

Branch:- Mechanical Engineering

Regd No:- F21013004096

We Wear the mask that grins and lies,  
It hides our cheeks and shades our eyes,  
This debt we pay to human guile;  
With torn and bleeding hearts we smile,  
And mouth with myriad subtleties .

Why should the world be over-wise,  
In counting all our tears and sighs ?  
Nay, let them only see us, while  
We Wear the Mask .

We smile, but, O great Christ, our cries  
To thee from tortured souls arise .  
We sing, but oh the clay is vile  
Beneath our feet, and long the mile;  
But let the world dream otherwise,  
We Wear the Mask!



**By : PAUL LAURENCE, DUNBAR**

**RITIKA BISOYI**

Branch:- Mechanical Engineering  
3<sup>RD</sup> Semester



## ଜୀବନୀ

ଗୌତମ ବୁଦ୍ଧ ବୌଦ୍ଧ ଧର୍ମର ପ୍ରତିଷ୍ଠା କରିଥିଲେ। ସେ ଖ୍ରୀ. ପୂ. ୫୬୭ (ମାତାହର)ରେ ହିମାଳୟର ପାଦଦେଶରେ ଅବସ୍ଥିତକ ପିଲବାସ୍ତୁ ନିକଟ ବର୍ତ୍ତମାନ ଉପବନରେ ଜନ୍ମଗ୍ରହଣ କରିଥିଲେ। କପିଳାବାସ୍ତୁ ଶାକ୍ୟ ବଂଶୀୟ କ୍ଷତ୍ରିୟମାନଙ୍କ ର ଏକ କ୍ଷୁଦ୍ର ରାଜ୍ୟଥିଲା। ଗୌତମଙ୍କର ପିତା ଶୃଙ୍ଖୋବନ ଏହି ଶାକ୍ୟ ଗଣତନ୍ତ୍ରର ରାଜାଥିଲେ। ତାଙ୍କର ମାତାଙ୍କ ନାମ ଥିଲା ମାୟାଦେବୀ। ଜନ୍ମଲାଭ କରିବାର ଏକ ସପ୍ତାହପରେ ତାଙ୍କର ମାତାମାୟା ଦେବୀଙ୍କର ମୃତ୍ୟୁ ହେବାରୁ ବି ମାତା ଗୌତମଙ୍କ ବ୍ରାତା ସେପରି ପାଳିତ ହୋଇଥିଲେ। ରାଜପୁତ୍ର ହେଲେ ମଧ୍ୟରାଜକୀୟ ଭୋଗବିଳାସ ପ୍ରତି ତାଙ୍କର ମନ ଆଦୌ ଆକୃଷ୍ଟ ନଥିଲା। ସେ ସଂସାର ବିରାଗୀ ଥିଲେ। ପୁତ୍ରର ମନ ପରିବର୍ତ୍ତନ ନିମନ୍ତେ ଶୃଙ୍ଖୋବନ ଗୌତମଙ୍କୁ ଗୋପାଳାୟୀ ଏକ ସୁନ୍ଦରୀ ରାଜକନ୍ୟାଙ୍କ ସହିତ ବିବାହ କରାଇଥିଲେ। ବିବାହ ପରେ ଗୌତମଙ୍କର ଏକ ପୁତ୍ର ସନ୍ତାନ ଜାତ ହୋଇଥିଲା। ଏ ସବୁ ସତ୍ତ୍ୱେ ଗୌତମଙ୍କର ମନପରିବର୍ତ୍ତନ ହୋଇନଥିଲା।

## କିମ୍ବଦନ୍ତୀ

କପିଳାବାସ୍ତୁନଗର ପରିଭ୍ରମଣ କଲାବେଳେ ଗୌତମ ଏକ ଜରାଗ୍ରସ୍ତ, ଏକ ରୁଗ୍ଣ ବ୍ୟକ୍ତି ଏବଂ ଏକ ଶବ ଦେଖିବାରୁ ମନରେ ଗଭୀର ଦୁଃଖ ଅନୁଭବ କଲେ। ମନୁଷ୍ୟରଜନ୍ମ, ବାର୍ଦ୍ଧକ୍ୟ, ରୋଗ, ଦୁଃଖ, କ୍ଳେଶ, ମୃତ୍ୟୁ ଇତ୍ୟାଦି ବିଷୟ ଚିନ୍ତାକରି ସେ ଦୁଃଖରେ ଅଭିଭୂତ ହୋଇପଡ଼ିଲେ। ସେ ଏସବୁଥିରୁ ମୁକ୍ତିଲାଭ କରିବାର ଉପାୟ ଚିନ୍ତା କରିବାକୁ ଲାଗିଲେ। ଏହି ସମୟରେ ଦିନେ ସେ ଏକ ପ୍ରସଂନ୍ନବଦନ ଜନୈକ ସନ୍ନ୍ୟାସୀଙ୍କୁ ଦେଖିଲେ। ସନ୍ନ୍ୟାସ ବରଣ କଲେ ଦୁଃଖରୁ ତ୍ରାହି ମିଳିବ ବୋଲି ସେ ୨୯ବର୍ଷ ବୟସରେ ଦିନେ ନିଶାନ୍ତରେ ସାଂସାରିକ ମାୟାବନ୍ଧନ ଛିନ୍ନକରି ସମସ୍ତଙ୍କ ଅଗୋଚରରେ ରାଜପ୍ରସବ ତ୍ୟାଗ କରିଥିଲେ।

## ବୌଦ୍ଧଧର୍ମ

ଗୌତମବୁଦ୍ଧଙ୍କ ପରି ନିର୍ମାଣର ଅଳ୍ପ କାଳ ମଧ୍ୟରେ ବୌଦ୍ଧ ଧର୍ମ ସମଗ୍ରଭାରତ ବର୍ଷରେ ପ୍ରସାର ଲାଭକରିଥିଲା। ବିଶେଷତଃ ଖ୍ରୀ.ପୂ. ତୃତୀୟ ଶତାବ୍ଦୀରେ ମୌର୍ଯ୍ୟ ସମ୍ରାଟ ଅଶୋକଙ୍କ ପୃଷ୍ଠପୋଷକତାରେ ବୌଦ୍ଧଧର୍ମ କେବଳ ଭାରତରେ ନୁହେଁ, ଭାରତ ବାହାରେ ଯଥା, ପଶ୍ଚିମରେ ଗ୍ରୀସ ଦେଶଠାରୁ ପୂର୍ବରେ ବ୍ରହ୍ମଦେଶ (ବର୍ତ୍ତମାନର ମିଆଁମାର) ଏବଂ ଦକ୍ଷିଣରେ ସିଂହଳ (ବର୍ତ୍ତମାନର ଶ୍ରୀଲଙ୍କା) ପର୍ଯ୍ୟନ୍ତ ପ୍ରସାରିତ ହୋଇଥିଲା। ଖ୍ରୀଷ୍ଟୀୟ ପ୍ରଥମ ଶତାବ୍ଦୀରେ କୁଶାଶବଂଶର ଶ୍ରେଷ୍ଠ ସମ୍ରାଟ କନିଷ୍କଙ୍କ ପ୍ରେରଣାରେ ବୌଦ୍ଧଧର୍ମ ଚୀନ, ତିବ୍ବତ, ଜାପାନ ପ୍ରଭୃତି ଦେଶରେ ପ୍ରଚାରିତ ହୋଇଥିଲା। ସପ୍ତମ ଓ ଅଷ୍ଟମ ଶତାବ୍ଦୀରେ କନୌଜର ରାଜା ହର୍ଷବର୍ଦ୍ଧନଙ୍କ ସାହାଯ୍ୟରେ ବୌଦ୍ଧଧର୍ମ ବିଶେଷ ଅଗ୍ରଗତି ଲାଭ କରିଥିଲା। ଏହି ପରିପୃଷ୍ଠପୋଷକତା ଲାଭକରି ବୌଦ୍ଧଧର୍ମ ପୃଥିବୀର ଏକ 52 ମୁଖ୍ୟ ଧର୍ମରେ ପରିଣତ ହୋଇଥିଲା। ପ୍ରାଚୀନ ରାଜା ମହାରାଜାମାନଙ୍କ ବ୍ରାତା ଅତିସୁନ୍ଦର କାରୁକାର୍ଯ୍ୟପୂର୍ଣ୍ଣ ଅସଂଖ୍ୟ ବୌଦ୍ଧଗୁମ୍ଫା, ସ୍ତୂପ, ଚୈତ୍ୟ, ବୌଦ୍ଧବିହାର ଓ ବୌଦ୍ଧ ମୂର୍ତ୍ତିଗୁଡ଼ିକ ଭାରତର ବିଭିନ୍ନସ୍ଥାନରେ ନିର୍ମିତ ହୋଇଥିଲା, ଯାହା ବୌଦ୍ଧଧର୍ମର ପ୍ରଚାର ଏବଂ ପ୍ରସାର ଦିଗରେ ଯଥେଷ୍ଟ ସାହାଯ୍ୟ କରିଥିଲା। ସମ୍ରାଟ ଅଶୋକଙ୍କର ଅନୁଶାସନ ବୌଦ୍ଧଧର୍ମ ପ୍ରସାରର ଏକ ପ୍ରଧାନ କାରଣ।

## ଶେଷକଥା

ତେଣୁ ଆମେ ଆମର ପ୍ରକୃତ ଲକ୍ଷ୍ୟ ଗୌତମ ବୁଦ୍ଧଙ୍କ ଠାରୁ ଜାଣିବାର ଅଛି ଆଉ କାର୍ଯ୍ୟରେ ଲଗେଇବାର ଅଛି।

## ଗୌତମ ବୁଦ୍ଧ



Pratyusha Parambramha Barik  
Branch - Mechanical, 3rd Semester



# My First Day

## at UGIE



My first day in college was the most memorable day of my life. I can never forget my first day. My first day in college was so special because some good memories are connected to it. Besides this, it is also full of joy and thrill. When I was in school, I imagined college life by observing my sister and brother's college life. I was so curious and waiting for the day when I also go to college. Dreams about the future are always very beautiful and charming. I always thought that college life is so chill because threats are less and freedom is more to do things and stuff. Finally, the day came when I went to college. I got up early in the morning, washed my face, and cleaned my teeth. Then set my hair with gel. Mom made a yummy breakfast.

I found difficulty in finding the classroom. I decided to take the help of someone. I came across a group of students and asked about the classroom. They guided me nicely. When I followed their way to the classroom and I came to know they send me to the washroom area. I felt humiliated badly. All newcomers gathered in a big hall at 9:30. Hall is full of students. All faces were blushing and excited. The class started at sharp 10 o'clock. First, the Teacher welcomed all in the department and college. Then some senior teachers told us about some important rules and regulations. At the end of class, roll numbers were given to students. There was a rush of old and new students. I also met too many known and unknown people there. As I started to visit the college I saw several students in the playground, playing badminton, hockey, cricket, and football. There are separate buildings for each program taught in college.

I was going to study Electronics and Telecommunication so, mine is an ETC classroom. Some students were hosting programs on the radio. It is compulsory to wear a uniform in college. You may come in a colored dress you liked. By visiting some areas of

college I came to know that students there have freedom regarding their movements. They can do what they want to....

I am happy that I could find a variety of books to read. The College laboratory impressed me so much as it was neat and clean and full of equipment. I just wanted to start some experiments there. I came to the notice board and wrote down my class's timetable. I found difficulty in finding where 1st year building was but at that time I did not take help from anyone because my first experience of taking help was not so good. Suddenly, I listened to two people talking about 1st year building. I followed them and finally reached that building. On the first day, there were some introductory classes for newcomers related to them, their teachers, and about courses. Every teacher is specialized in their subject. The method and style of teaching in college are far most different than the school. In college, no one scolds you when you miss the homework. When the teacher came into the class, all students stand to welcome their new teacher. First, they call for attendance roll-number-wise. On the first day, the teachers did not teach us but discussed the subject they will teach us, gave his introduction, and takes us too. They talk about the importance of responsibility and hard work in the life of a student. They are trying to make us able to learn by ourselves. In class, I met people who have the same interests as me. They all are studying science. I made some friends. We chit-chat for a long time, and shared our interests, liking, etc.

Finally, I'm feeling happy on the 1st day of my college.

**SIDHARTHA KHANDAI**

Branch- Electronics & Telecommunication

Registration No-f20013003040



# Friendship

I wanted to thank you  
But was unable to explain  
What it means to have a friend  
To share life's joys and life's pains  
It's good to know our friendship  
Is one of endless devotion  
Forged out of respect and  
Every kind of emotion

It's patient and forgiving  
Never failing or forsaking  
When a hand is outstretched  
Or one's heart is breaking  
It's ever faithful  
Even when the world condemns  
And sparkles in the darkness  
Like fireworks and gems

It does my heart good  
At the end of the day  
To know that you will never  
Be more than an email away

PROOF OF A TRUE FRIEND IS  
KNOWING THAT  
IF I WERE LOST – YOU WOULD FIND ME



## TO A SPECIAL TEACHER

When I started in school,  
This day seemed so far away.  
Now it's here and I can't believe  
That time has passed so quickly  
But through your encouragement  
and guidance

I feel I'm ready for tomorrow's  
challenges.

Teachers play such an important part

In shaping and guiding....

Especially teachers like you

Thank you for caring so much.

**Mrs-Manasi Priyadarshini Ma'am**



I'm not perfect, I'm me.  
I've made bad decision and wrong  
choice, but I'm me. I've said the  
wrong things, I've said the right Things,  
because I'm me.

I don't like everything I've done, but I did it  
Because I'm me. I've loved the wrong people  
And trusted the wrong people and I'm still me.  
If I had the chance to start again, I wouldn't  
change a thing.

Why? Because I'm me.  
There are a lot of good things about me,  
you just need to look past the  
imperfections to see that's right.  
If you can't do that Then it's your loss.  
I'm the best I can be. I am ME.



## I'm Just Me

**SUSMITA KUKUR**

Branch- Electronic & Telecommunication  
Semester -5th



## TOMORROW NEVER COMES

- After a cry, a smile spread
- After a rain, the sun shines
- After a night, a day arrives
- Still we say, tomorrow never comes.
- After a walk, the aims clinched
- After a fall, a hope to rise
- After a failure, a victory is achieved.
- Still we say, tomorrow never comes.
- Centuries pass by, still we wait,
- With new hopes coming our ways,
- Aspiration gets new meaning
- Still we say, tomorrow never comes.

## Smile

A smile makes a smile  
Then it spreads miles  
and miles  
It cheers up your day  
And makes you feel gay  
It lightens up your dreams.  
Just like an ice cream  
It makes you look friendly  
And never makes you angry.

### गुरुत्वाकर्षण

एक यूवक था गुणी महान  
आइ जे न्यूटन था उसका नाम।  
बैठा था वह बाग के बिच  
सोच रहा था माया भीच।  
आगे सेव गिरा तत्काल,  
पका हुआ सुन्दरसा लाल।  
उठकर किया फिर ध्यान लगाया।  
आखिर सेव गिरा क्यों नीचे ?  
चीज़ों को क्यों धरती खींचे ?  
खोजबीन कर फल पाया आकर्षण,  
इस शोर को कहते गुरुत्वाकर्षण।



### बूझो तो जानें

पेट में पानि, सिरपर आग,  
बीन बजाई, निकला नाग।

मुंह कम चौड़ा मोटे पेट,  
बैठा रहे, सके नहीं लेट।

मैं हूँ एक अनोखी रानी,  
पैरों से पीति हूँ पानी।

एक बहादुर ऐसा वीर,  
गाना गा कर मारेतीर।

उजली धरती, कालाबीज  
देती हमको, सुन्दर सीख

उत्तर: हुकका, घड़ा, लालटेन, मच्छर, किताब

## जैसी दृष्टि, वैसी सृष्टि

एक गांव में महामारी फैल गई। वहांके लोग थंधे-पानी की तलाश में दूसरे गांवों में गये। और वहां के मुखियासे बोला- महाराज यहां बसना चाहताहूं, यहां थंधा करना चाहताहूं, यहांके लोग कैसे हे ? मुखिया ने पूछा जहांसे आओ वहां कैसे लोग थे ? व्यापारी बोला -पूछोमत साब! रामराम ! बेकारलोग हैं वहांके तो, बहुत झगड़ालू है,बात बात में लड़ने लगते हैं। मुखिया बोला - तो यहां के लोग तो उससे भी बेकार है, वहां तो लोग झगड़ा ही करते थे, यहां तो सीधे मारपीट पर उतर आते हैं। बात बाद में करते हैं पहले लात मारते हैं। ये व्यापारी इस गांवसे आग चला गया। थोड़ी ही देर में उसी गांवसे दूसरा व्यापारी आया। उसने भी मुखियाजी से वोही सवाल किया जो पहले वाले ने किया था। मुखियाजी ने उससे भी यही पूछा - जो गांव छोड़कर आ रहें हो वहां कैसे लोग थे। दूसरा व्यापारी बोला महाराज बड़े भले लोग हैं उसगांवके तो एकदूसरे के लिए जान देने को तैयार रहते हैं। बड़ा मीठा बोलते हैं। मुखियाजी बोले तो तुम यहां बस सकते हो यहां, इसगांव में उससे भी भले लोग हैं। मुखियाजी के चले ने पूछा - साबजी आपने दो लोगो से दो तरह की बात क्यों करी ? वो बोले सुन चले - जो जैसा खुद होता है वो अपने जैसी दुनिया वहां बना लेता है, अच्छा-बुरा कुछ नहीं होता, उसे उसके जैसे ही लोग मिलजाते हैं। चोर को सारेचोर और शराबी को सारे शराबी नजर आते हैं। अगर आप में प्रेम भाव है तो आपको प्रेमी लोग मिल जाएंगे। अगर आप मिठीवाणी बोलकर करेला बेचोगे तो करेला भी बिक जाएगा। और अगर आप कड़वी वाणी बोलकर शक्कर बेचोगे तो शक्कर भी नहीं बिकेगी।

**भीतरी बात गहरी बात - ये संसार एसी घाटी है यहां जैसी आवाज दोगे उसीकी प्रतिध्वनि हमें सुनाई देगी।**



**PREETY RAY**

Electronic & Telecommunication  
SEMESTER -5th  
Regd No-F20013001021

## ସମ୍ପର୍କ

ସାମ୍ବତ ପବିତ୍ର ଯଦି କିଛିଥାଏ ଦୁନିଆ ରେ ।  
ସେ ସଂପର୍କ ନିଶ୍ଚୟ ଅଟେ ଭାଇ-ଭଉଣୀର ।।  
ରକ୍ତ ସଂପର୍କ ଏଠି ନଥାଏ ଭାବନା  
ଏହା ତ ମନରେ ଝିଅଟିଏ ପାଇଁ ଏକ ସ୍ନେହଭରା ପବିତ୍ର କଳ୍ପନା ।।  
ଭଉଣୀ ଶବ୍ଦଟି ସିନା ଅଟେ ତିନି ଅକ୍ଷର ।  
ତା ଭିତରେ ଭରିଥାଏ ବିଶାଳତା ଏକ ଭାଇ ହୃଦୟର ।।  
ସଂପର୍କ ସେ କିଛି ନୁହେଁ ମନର ପାବିତ୍ର କଳ୍ପନା ।  
କେତେବେଳେ ଗଢିଯାଏ ଗଢିଗାଢ଼ ହୋଇଯାଏ କେହି କହିପାରନ୍ତି ।।  
ଆଲୋ ମୋ ହୃଦୟ ଆସନେ ତୁ କେବେ ଆସିଗଲୁ ।  
ସାଙ୍ଗ ହୋଇ ଭଉଣୀର ସ୍ଥାନ ଗଢି ବସିଲୁ ।।

ବୁଝିଲି ମୁଁ ରକ୍ତ ନୁହେଁ ସଂପର୍କ ଅଛି ।  
ହେ ଲକ୍ଷ୍ମୀର ମୋର ଭାବନାକୁ କର ସମ୍ପୂର୍ଣ୍ଣ ସ୍ବାଗତ ।।  
ସଂପର୍କ ଏଠି ବଢିବା ପାଇଁ ବରକାର ଭାଗ,  
କିଛି କରି ପାରୁନାହିଁ ତ୍ୟାଗ ।  
ଦେଉଛି ତେଜେଲେ ଭାଇ ହୃଦୟରେ ଭଉଣୀର ଭାଗ ।।  
ହେ ଭଗବାନ ତର ଲାଗେ,  
ରଖିବାକୁ ସଂପର୍କ ଭାଇ-ଭଉଣୀର  
କାରଣ ପୁଟିଛି ଆଖି ଆଖି ସମାଜରେ,  
ହେ ଲକ୍ଷ୍ମୀର ଦିଅ ମୋତେ ଶକ୍ତି  
ଭରିଦିଏ ତୋ ଜୀବନରେ ମାତ୍ର ଟିକେ ଶାନ୍ତି ।।  
ଯେମିତି ଏ ଦୁନିଆରେ କହିବ ଧନ୍ୟତୁମ  
ଭାଇ-ଭଉଣୀ ପ୍ରୀତି ।।

**BADRI KALYAN NAYAK**

Ceramic Technology, SEMESTER -5th



## MIND IS A COMPLETE REFLECTION OF OUR THOUGHT ♥

दिमाक को जोर लगाकर,  
हमने बनाया अपना रास्ता,  
सोचा ना था,  
की हमारे दिमाक ने ऐसा सोचलाया।  
मुसीबते झेली दिमाक ने,  
पर सोच ने कर दिया चमत्कार,  
दिमाक ने ना सोचाथा की,  
सोच भी ऐसा सोचेगा।

आकाश को देखकर,  
सोचता है सोचकी,  
मैं जो सोचता हु क्या सब वो सोचते है।

दिमाक भी क्या जादू करता है,  
सोच को हेल्प करकर,  
अपना दिमाक भी चला लेता है।

आप कुछ सोचो उसे पेहेल,  
दिमाक सोच लेता है,  
कि आप क्या सोचोगे।

उसी लिए बोलते है कि हमारा दिमाक,  
सोच के तरहा है ॥

**ANJANA SAHU**

Metallurgy Branch, 1st year



Teenage;  
Ahh!...  
The age full of strange.

Teenage is a beautiful age,  
Filled with a lots of rage.  
Still it's difficult, someone told,  
Cause there are lots of happenings  
which are untold.  
Studies becomes tougher  
Still many regret, "why I don't have a lover?"

We become happy, we aren't now kids,  
But nobody's aware, have to sign a number of  
deeds.

Still i would say,  
Teenage is a beautiful  
Our mind becomes curious,  
to swim through the experience pool.  
It's nothing,  
but a phase.  
Everything depends on you,  
Whether to fly or to be caged.

**SUSMITA MANNA**

Ceramic Technology, 5<sup>TH</sup> Sem

## LIFE WITHOUT ENGINEERS

**SUSMITA MANNA**  
Ceramic Technology  
5<sup>th</sup> semester

No bulbs ever glow,  
There will be only dark nights.  
No whatsapp, no more chats  
Only letter birds will persist.

No buildings, no toilet seats to sit  
Fields will be filled with only shit.  
Life without engineers,  
Seriously doesn't exist.

No cars will ever move on roads,  
And no stylish car on empty roads.  
No instagram, no more selfies,  
No fb, no friend requests, to beauties.

We are the future of world,  
We make a difference,  
We are the engineers...  
Without us, life doesn't exist.

## କାହାର ଇଚ୍ଛା

କୃଷ୍ଣ ପ୍ରସାଦ ଦାସ  
ବରିଷ୍ଠ ଅଧ୍ୟାପକ  
ସେରାମିକ ବିଭାଗ

କରୋନା କାଳରେ ସବୁପିଲା ବିନା ପରୀକ୍ଷାରେ ଦଶମ ଶ୍ରେଣୀ ଉତ୍ତୀର୍ଣ୍ଣ ହୋଇଯିବାରୁ ରାଜ୍ୟ ବାପାଙ୍କ ମନରେ ମଧ୍ୟ ଲଜ୍ଜା ଜାଗ୍ରତ ହେଲା କି ପିଲାଟା ଯଦି ପର୍ଯ୍ୟପୁରଣ କରିଥିଲେ ସେ ମଧ୍ୟ ପାସ ହେଇ ଯାଇଥାନ୍ତା.... କିନ୍ତୁ ସମୟ ବହୁତ ଗତି ଗଲାଣି । ହଠାତ୍ ବିନେ ଡାକ ବନ୍ଧୁ ଉପବେଶ ଦେଲେ ସହର ନିକଟରେ ଏକ ଜାଗାରେ ଜଣେ ପ୍ରବାଣ ଶିକ୍ଷକ ରହୁଛନ୍ତି, ଯେ କି ସବୁପିଲାଙ୍କୁ ଉଚିତ୍ ମାର୍ଗ ଦର୍ଶାଉଛନ୍ତି । ରାଜ୍ୟର ବାପା ରାଜ୍ୟକୁ ଧରି ସେଇ ପ୍ରବାଣ ଶିକ୍ଷକ ପାଖକୁ ପହଞ୍ଚିଲେ । ଶିକ୍ଷକ ପରୀକ୍ଷା କରି ଦେଖିଲେ ରାଜ୍ୟ ବହୁତ ଦିନ ହେଲାଣି ପଢ଼ା ପ୍ରତି ଆଗ୍ରହ ପ୍ରକାଶ କରି ନଥିବାରୁ ସାଧାରଣ ଅକ୍ଷର ମଧ୍ୟ ଭୁଲି ଗଲାଣି । କେବଳ ବିଦ୍ୟାଳୟରେ ଫେଲ୍ ବ୍ୟବସ୍ଥା ନଥିବାରୁ କିଛି ଶ୍ରେଣୀ ପାସ କରିଛି । ସେ ତାକୁ ଧରି ପ୍ରଥମେ ଛୋଟଛୋଟ କାମ ଦେଲେ, ମୋବାଇଲରେ କାମ କରିବା ସାଙ୍ଗେ ଅନ୍ୟାନ୍ୟ ଘରକାମ ଗୁଡିକ ରାଜ୍ୟ ଆନନ୍ଦରେ କରି ଚାଲିଲା । ରାତିରେ ଶିକ୍ଷକ ଜଣକ କହିଲେ ହଉ ବାବା କାମ ବହୁତ ହୋଇଗଲା ଏବେ ଚାଲ ଟିକେ ପାଠ ପଢିବା । ରାଜ୍ୟ ପ୍ରଥମେ ବାହାନା କରି ଆଜି ଲାଜ୍ଜ ଲାଗୁଛି କହିଲା । ପୁଣି ତା ପରଦିନ ଆଉଥରେ ପଢିବାକୁ କହିବାରୁ ପୁଣି ମିଛ ବାହାନା କଲା । ତାକୁ ଦେଖି ଶିକ୍ଷକ ଜଣକ କହିଲେ ବାବା ଯାହାହେଲେ ବି ପାଠ ପଢିବାକୁ ପଡିବ ।

ସଙ୍ଗେ ସଙ୍ଗେ ରାଜ୍ୟ କହିଲା ଆପଣ ଭଲ ଭାବୁଛ ବା ଖରାପ, ମୋ ଦେଇ ପାଠପଢ଼ା ହୋଇ ପାରିବନି । ଶିକ୍ଷକ ଜଣକ ଆଗ୍ରହ ସୃଷ୍ଟି କରିବାକୁ ରାଜ୍ୟକୁ କହିଲେ ପାଠପଢିଲେ ତୁ ଆକାଶରେ ଉଡ଼ିପାରିବୁ, ସମୁଦ୍ରରେ ଭାସିପାରିବୁ । ସେତେକ ଶୁଣି ରାଜ୍ୟ କହିଲା ସତରେ, ତା ହେଲେ ମୁଁ ପଢିବି । ବର୍ଷମାନର କିଛି ଶବ୍ଦ ଅଭ୍ୟାସ କରି ରାଜ୍ୟ ଯେତେବେଳେ ଅକିଶଲା ଗୁରୁକୁ କହିଲା ଗୁରୁଦେବ ମୁଁ ଯେତିକି ଅଭ୍ୟାସ କଲିଣା ସେଥିରେ ତ ଆମ୍ବଗଛଯାଏଁ ଚଢ଼ିବାକଥା କାହିଁ କୌଣସି ଲକ୍ଷଣ ଦେଖା ଯାଉନାହିଁ । ପୁଣି ଗୁରୁକୁ କହିଲା ଆଜ୍ଞା, ଆପଣତ ଏତେ ପଢିଛନ୍ତି ଟିକିଏ ଉଡ଼ିକି ଦେଖେଇଲେ ଦେଖିବା, ଗୁରୁଦେବ ବଡ଼ଅଡ଼ୁଆରେ ପଡିଲେ କଣ କରାଯିବ ? ସେ କହିଲେ ଆରେ ଜ୍ଞାନ ସମୁଦ୍ରରେ ଉଡିବା ମୁଁ କଥା କହୁଥିଲି, ମୁଁ କଣ ପ୍ରକୃତରେ ଉଡିବା କଥା କହୁଥିଲି ?

ଏହା ଶୁଣି ରାଜ୍ୟ କହିଲା ତାହେଲେ ମୋର ଜ୍ଞାନ ସମୁଦ୍ରରେ ଉଡିବା ଦରକାର ନାହିଁ, ମୋ ଦେଇ ପାଠ ହେବନି । ତାପରେ ଗୁରୁପାଖରେ ଥିବା ଏକ ପାଞ୍ଚବର୍ଷର ପିଲାକୁ ଦେଖାଇ କହିଲେ ଦେଖେ ଏ ପିଲା ସବୁ ପଢି ସାରିଲାଣି । ତା ପରେ ରାଜ୍ୟକହିଲା ପାଞ୍ଚବର୍ଷରେ ମୁଁ ବି ପଢିଥିଲେ ହେଇଥାନ୍ତା । ତାପରେ ଗୁରୁ ରାଜ୍ୟ ପାଖରେ ଗୋଟିଏ କୋଡିଏ ବର୍ଷର ପିଲାକୁ ଧରିଆଣି ପାଠ ପଢ଼ାଇଲେ ସେ ପିଲା ବହୁତ ଜଳଦି ପଢି ଅଭ୍ୟାସ କରିଦେଲା ।

ଏହା ଦେଖି ଗୁରୁକୁ ରାଜ୍ୟ କହିଲା ଆଜ୍ଞା ଜଣେ ପାଞ୍ଚବର୍ଷରେ ପଢି ପାରିବ କିମ୍ବା କୋଡିଏ ବର୍ଷରେ ପଢିପାରିବ କିନ୍ତୁ ମଝିରେ ନୁହେଁ । ଗୁରୁ କହିଲେ ଆରେ ତତେ ସମସ୍ତେ ମୂର୍ଖ କହିବେ ନା, ରାଜ୍ୟ କହିଲା କୁହୁଛୁ ପଛେ ମୁଁ ପଢିବି ନାହିଁ ।

ଏହା ଦେଖି ରାଜ୍ୟଙ୍କ ବାପାଙ୍କୁ ତକାଇ ସବୁ ବୁଝାଇ କହିଦେଲେ । ତା ପରେ ରାଜ୍ୟ ଗ୍ରାମକୁ ଚାଲିଗଲା ।

ଗାଁରେ ଯାଇ ଚାଷ କରି ବହୁତ ରୋଜଗାର କଲା, ପୁଣି ଯେତେବେଳେ ସେ ପଇସା ରୋଜଗାର କରି କିଛି ଜମି କିଣିଲା । ଜମି କିଣି ପଞ୍ଜିକରଣ କଲାବେଳେ ଅନୁଭବ କଲା ଯେ ତାର କିଛିପାଠ ପଢିବାର ଦରକାର ।

ସେହି ପ୍ରବାଣ ଶିକ୍ଷକଙ୍କ ନିକଟକୁ ଆସି ଅତି ଅଳ୍ପଦିନରେ ବହୁତ କିଛି ପଢିଦେଲା ଏବଂ ଦଶମଶ୍ରେଣୀ ପାସ କରିଦେଲା । ବିନେ ଗୁରୁକୁ କହିଲା ଦେଖୁଛୁ ମୁଁ କହିଥିଲିନା ଜଣେ ପାଞ୍ଚବର୍ଷରେ ପଢିପାରିବ କିମ୍ବା କୋଡିଏ ବର୍ଷରେ ପଢିପାରିବ । ଗୁରୁ କହିଲେ ନାଁ ଏସବୁ ଡୋର ଲଜ୍ଜା ଆଉ କାହାର ନୁହେଁ । ଗୁରୁ କହିଲେ ତୁ ଯେତେ ବେଳେ ଲଜ୍ଜାକଲୁ ସଫଳହେଲୁ, ମୁଁ କିନ୍ତୁ ପାରିଲିନି ।



# STORY OF LIFE

One day a boy goes to his father and asks "Father what is the value of life?"

The father gives him a stone and says "if you want to know the value of life then take this stone and go to the market and if anyone asks what is the price of this stone, don't say a word and raise your two fingers" So, the boy does as his father and goes to the market he wonders around and suddenly an old woman approaches him and says "How much is the stone?" The boy doesn't say a word and raises up two fingers, and the woman says "Twenty rupees, I'll take it!" the boy is surprised and runs back to his father and says "father there was an old woman in the market, she wants to give me two rupees for the stone" his father says "the next place I want you to go to the museum and if anyone asks the price don't say a word and raise up two fingers" so the boy takes the stone to the museum, after some minutes there was a middle aged man in the suit who approaches the boy, He says "Sir how much is the stone?" the boy doesn't say a word and raises up two fingers, and the man says two thousand rupees, I'll take it!" The boy is surprised and runs home to his father and says "father there is a man in the museum who wants to give me two thousand rupees for the stone! Then his father says "now I want you to take this stone to the precious stone store walk into the store and if anyone asks the Price, don't say a word just up raise two fingers" so the boy went to the precious stone store and walks inside and finds an old man in the counter, and as the old man sees the stone, he jumps up and screams OMG! You have the stone I have been looking for my whole life! What you want for it "the boy doesn't say a word and raise up two fingers "the man says twenty thousand rupees I'll take it, the boy can't believe it, he jumps up and runs to his father and tells him the whole story,



His father says "you see son, you understand the value of life, life is all about where you place yourself, you can decide whether you want to be twenty rupees stone or twenty thousand rupees stone, there are some people who love you for whom you are everything, and some people who use you as a commodity and for them you will be worth nothing, so it is upon you my son to decide the value of your life".

## ମା



ଜହ୍ନ ଠାରୁ ଆହୁରି ସେ ସଫା,  
 ଫୁଲ ଠାରୁ ଆହୁରି କୋମଳ,  
 ଶିଶିର ଭିଜା ଘାସ ପଡ଼ିଆ ଠାରୁ ଆହୁରି ଶୀତଳ,  
 କଙ୍କି ଠାରୁ ଆହୁରି ହାଲୁକା,  
 ଫୁଲ ଫୁଟିବାର ଶବ୍ଦ ଠାରୁ ଆହୁରି କ୍ଷୀଣ ।  
 ସେ ଶୀତ ଆକାଶର ଜହ୍ନ ଟିଏ,  
 ନୀଳ ଆକାଶ ର ଧଳା ମେଘ ଟିଏ,  
 ଶୀତ ସକାଳର ସୁନେଲି କିରଣ ଟିଏ,  
 ଝଙ୍କ ଝଙ୍କ କରୁଥିବା କାଶତଣ୍ଡୀ ଫୁଲ ର  
 ସବୁଜ ପ୍ରାନ୍ତର ଟିଏ ।  
 ତା ମନରୁ ଝରୁଥାଏ ସ୍ନେହଭରା କାକର ବିନ୍ଦୁ,  
 ବିନ୍ଦୁ ନୁହେଁ ତ;  
 ଆଦର ର ଏକ ସିନ୍ଦୂ,  
 ଓଢ଼ଣାତେ ପରି ଘୋଡ଼ାଇଦିଏ,  
 ତଡ଼ି ଦିଏ ସବୁ ଭୟ ଆଶଙ୍କା,  
 ତା ଯାଦୁଗରୀ ଅଙ୍ଗୁଳି ର ସ୍ପର୍ଶ;  
 ଦୁରାଇ ଦିଏ ଅନେକ ଅବ୍ୟକ୍ତ ଯନ୍ତ୍ରଣା,  
 ଭୁଲି ଯାଏ ସବୁ ଦୁଃଖପଣ,  
 ମିଳି ଯାଏ ସବୁ ସମ୍ଭାବନା,  
 ସେ ଆଉ କେହି ନୁହଁ,  
 ସେ ମୋର ମା' ମା' ମା' ।

ସୂର୍ଯ୍ୟାମ୍ବାତା ପାଠକରାୟ,  
 ବିଭାଗ :- ସିଭିଲ, ବର୍ଷ :- ଦ୍ଵିତୀୟ





**School Visit**

## Career counseling



## Industry Visit





## ACTIVITY BEYOND CLASSROOM



**World Environment day**



**Annual Athletic Meet**



**Guest Speaker Session**



**Alumni Meet**



**National Voter's day celebration**



**Blood Donation Camp**



**Jagannath Sanskruti Alochana**



**Cleanliness Drive**



**Plantation Drive**



**Republic day celebration**



**International Yoga Day**







## Project Exhibition



## ACCOLADES



## BRANCHES OFFERED

1	Civil Engineering	40	6	Mechanical Engineering	90
2	Ceramic Technology	40	7	Metallurgical Engineering	90
3	Chemical Engineering	50	8	Mechatronics Engineering	30
4	Electrical Engineering	60	9	Computer Engineering & IOT	30
5	Electronics & Tele Com. Engineering	50			

