

# OAVS NEWS

28th February (Tuesday) Monthly Newsletter

No 000014

- Creative Writing
- Achievements
- Biography
- Drawings and Paintings

## VISIT OF TOP SCIENTISTS FROM ISRO TO ICONIC OAV ANDHARUA AND INTERACTION WITH THE STUDENTS

Mr.Naresh J Bhatt, Head of Vikram Sarabhai Space Exhibition and responsible for outreach activities for the benefit of students and colleges, Mr.C.Patnaik, Co-Lead of the Ecosystems team of NISSAR mission and Mr. Akshaya Kumar Sahu, Quality & Reliability Engineer from Space Application Centre (SAC),Ahmedabad Centre, ISRO, visited Iconic OAV, Andharua, Bhubaneswar on dt.11 February 2023 and interacted with the students of this vidyalaya. They discussed various things related to space science and technology. They answered numerous questions asked by the students as well as by the teachers and cleared the doubts of the inquisitive minds. They were extremely happy and delighted to mark the students' energetic participation, esp. in the question and answer session. The esteemed visitors remarked that the school, teachers and the Principal for nurturing such a bunch of talented students in Iconic OAV. They expressed their gratitude to meet the enthusiastic and dynamic students of this institution and thanked the principal for the invitation. The meeting was chaired by Dr.Tanuja Kumar Nayak, the venue Principal. The programme was compered by Mrs. Rasmita Acharya, P.G.T.(English) and a vote of thanks was proposed by Mr.Surjeet Mansingh, P.G.T.(English). All the staff and students extended their total support and whole-hearted co-operation for making this meeting a grand success.



## HON'BLE SPD's TOUR OF KENDRAPADA- THE VISIT: A REJUVENATION



It was a matter of great joy and pride for OAV Tarando to have got the golden opportunity as Honourable SPD Sir, Shri Sangram Keshari Mohapatra (IAS) had come for a visit. As per his tour program to Kendrapara, first he visited OAV Banto in Pattamundai Block and then to OAV Tarando at 1.20 PM. Sir was given a warm welcome by the Principal, Shri Motilal Senapati & all other staff members and students. He interacted with our students and listened to many of the requirements of the vidyalaya. He also motivated the teachers and students for better performance in curricular activities. He congratulated the students who have won first positions in SPARK and also praised Sibashis Dash of class VIII as his painting has been selected for Odisha Judicial calendar 2023. He also interacted with Swosti Pragyan Rath of class IX who is selected to visit ISRO as a young astronaut. He was immensely overwhelmed by his own portrait designed by our Art teacher, Shri Prajna Vedavyas sir and another painting gifted to him by one of our students of class IX, Nabin Prasad Sethi. He has taken into consideration to provide musical instruments very soon. He advised all teachers and the Principal to guide students to get seats in Iconic OAV in the new academic session. The entire visit to the Vidyalaya was so motivating for all students, staff members and all stake holders.

Editor in chief

Sri Sangram Keshari Mohapatra (State Project Director, OAVS )

## OAV Shines at ODIAPRENEUR-2023

"There is freedom waiting for you,  
On the breezes of the sky,  
And you ask "What if I fall?"  
Oh but my darling,  
What if you fly?"

Erin Hanson

Ms Payal Pradhan, a student of Class XI Science from OAV RAMANAGUDA, RAYAGADA has proven with her App SATHI that inquisitiveness and humility can eventually let you taste the syrupiness of triumph. She bagged 1st position amongst Ninety-Seven selected projects in Odiapreneur, State Level Hackathon -2023 held at IIIT-Bhubaneswar on 15th & 16th Feb 2023. IIT Bhubaneswar, Directorate of Higher Secondary Education, OSEPA and Dept. Of School & Mass Education organized this remarkable event to imbibe entrepreneurship traits in higher secondary students by encouraging them for critical thinking to address the different challenges of society. Along with the special guests and officials of the organizing team, industry experts from prestigious companies like GOOGLE, DELL and IBM appreciated Payal's zeal and enthusiasm and regarded her as the blooming entrepreneur of Odisha.



Stepping ahead to accomplish the dream of Honourable Chief Minister of Odisha Shri Naveen Patnaik, Ms Payal Pradhan under the able mentorship of Shri Ashutosh Patra, Art Teacher, OAV, Ramanaguda designed the APP SATHI to help many SHG members who are connected to schools for MDM program. This app not only calculates exact quantity of foodstuffs required for a day but also automatically prepares annexure and data required by the Government.

Payal, a girl from Ramanaguda, Rayagada with her sheer determination and constant support of her teachers brought home a solution to lend a hand of technology not just for her mother but for many SHG women carrying out the responsibility of Mid-Day Meal scheme.

Payal credits her success to her parents, Principal, teachers especially her mentor Ashutosh Sir, OAV Sangathan, DHE Odisha, IIIT-BBSR and OSEPA for creating opportunities to bring her ideas into reality.



Hon'ble Collector & DM, Balangir, Shri Chanchal Rana, IAS, visited OAV, Mahimunda, Block- Puintala, Balangir

## OAVIANS LEADING AT 18TH NATIONAL JAMBOREE OF BHARAT SCOUTS & GUIDE

18th National Jamboree of Bharat Scouts & Guides has been held in Rohatak, Pali district of Rajasthan. More than 37000 Scouts, Guides, Service Rovers, Rangers, Scout Masters, Guide Captains, Contingent Leaders from all States, Union Territories of India along with Railway States and from different countries like Srilanka, Saudi Arabia, United Arab Emirates, NEPAL, Malaysia, Bangladesh, Ghana Etc. have participated in the Jamboree. The national Jamboree was inaugurated by Honourable President of India Smt. Droupadi Murmu and the Chief Minister of Rajasthan Sri Ashok Gehlot along with National Chief Commissioner, BSG, India and State Chief Commissioner Rajasthan



Over 300 Scouts, Guides, Service Rovers, Rangers, Scout Masters, Guide Captains, Contingent Leaders from different Districts of Odisha along with officials of State Head Quarter, Odisha State Bharat Scouts and Guides, Bhubaneswar under the guidance of National Vice-President of India and State chief-Commissioner, Odisha State Bharat Scouts and Guides Dr. Kali Prasad Mishra represented various Arts, Crafts & Culture of Our Odisha. Mainly the Car-festival was the main attraction of the Odisha contingent in this Jamboree, which was highly appreciated by the National Officials along with Scouts & Guides from Other Contingents. Here the Eleven Scouts & Fifteen Guides from Odisha Adarsha Vidyalaya Barihapur, Parajang, Dhenkanal under the guidance of Scout Master Mr. Debashisa Palei (Principal I/C Cum TGT-SCIENCE) and Guide Captain Smt. Satyabhama Nayak (P.E.T) have successfully participated in different events like folk dance, Color Party, Marching, Physical Display, Grand Campfire, Pageant show, State Exhibition, Food plaza, Rangoli, Pioneering, State Gate, Skill 'O' Rama etc. The Odisha contingent achieved 4 'A' and 10 'B' Grade in different events.

### Hon'ble Collector & DM, Balangir visits OAV, Mahimunda

Hon'ble Collector & DM, Balangir, Shri Chanchal Rana, IAS, visited OAV, Mahimunda, Block- Puintala, Balangir on 21st February, 2023 at 11:00 AM to inaugurate the Statue Point, Computer Lab and Badminton Court in the vidyalaya. Other special invitees including the VMDC members were also present on this occasion. The meeting commenced with a Welcome Song by the girls of Class XI which was followed by the Principal's welcome address. Mr. Ashok Kumar Khatua, Principal, OAV, Mahimunda extended a hearty welcome to Hon'ble Collector sir for sparing his precious time for the visit. He also shared details of the students who represented the vidyalaya at state level in various competitions. The achievements of the students were acknowledged by Hon'ble Collector.

Mr. Jugal Kishor Padhan, VMDC member, addressed the children on this occasion. He advised the students to follow the footprints of the great leaders whose statues were to be unveiled on the occasion. He also presented some of his books to Hon'ble Collector sir which was humbly accepted by him with an assurance to read them.

First of all, the Statue Point was unveiled and garlands were offered to the great souls by all the dignitaries. Thereafter, the badminton court was inaugurated by Hon'ble Collector. He also played a round of the game with Jharana Seth, a student of Class VII, with utmost enthusiasm. At last, the computer lab was inaugurated by Hon'ble Collector followed by an interaction with the computer teacher, enquiring about the facilities provided in the lab.

The meeting was concluded with the address by Hon'ble Collector in which he conveyed his best wishes to all the students of Class X and XII for the forthcoming CBSE Board examination. He motivated the children to dream big and work hard to become successful in their lives. He gave away pens to the board class students as a token of love and blessing. Before leaving the vidyalaya premises, he gladly clicked pictures at the Selfie Point of the vidyalaya.

# INFORMATION AND TECHNOLOGY

Swarnaprava Naik  
PGT Chemistry  
OAV, Kursud, Titilagarh

The twenty-first century is known as the age of information technology. IT has evolved tremendously in recent decades and has revolutionized the way humans connect and work. The age of IT has transformed our lives by bringing in unfathomable changes. When Prime Minister Rajiv Gandhi showed his keen desire for getting a supercomputer from America in the eighties; it seemed something strange to others. Even America looked upon Mr. Gandhi's desire with the usual reluctance. Today, after two decades, India has emerged as a globally recognized super software giant. Today just a press of button or a swipe can get you many things that you want. We can talk to those living miles away or see people in different countries through video conferencing. We can even buy groceries and food from websites just by sitting at homes. Sharing knowledge and gathering of information has become much easier, faster, cheaper and enjoyable. With IT, the world has become much smaller to the hands. You can get quick and easy access to information from all over the world and even share, see or chat with people miles away. Business transactions, space exploration, watching movies, and buying digital books has become much easier than before all through a click of the computer. All these are the greatest advantage of IT and it has made the world a better place to live.



The present-day elegance, accuracy, sophistication, efficiency could have been made possible only with the invention of computers. Computers software's are gradually becoming a decisive force in making important decisions. Information technology can contribute tremendously to economic development, particularly in rural areas. It can become a prudent pooling intriguing the nation the remit localities that have so far felt a sense of neglect will be feeling of development. With computer education made compulsory from primary and middle level, we can hope and aspire that within the next few years, India will become more interrogated and more economically robust.

The constraints in such development would be basically investment of money, resource shortage, and policies of the Government. However, in spite of all these constraints, the signs are for very healthy growth of Information Technology.

## Science Information and Technology

Pratik Jena  
Class - 7  
OAV Musiguda, Bhawanipatna

Science and technology is the ultimate need of an hour that changes the overall perspective of the human towards life. Over the centuries, there have been new inventions in the field of science and technology that help in modernizing. Right from connecting with people to using digital products, everything involves science and technology. In other words, it has made life easy and simple. Moreover, humans now have to live a simple life. There is modern equipment explored by tech experts to find something new for the future.

Science and technology have now expanded their wings to medical, education, manufacturing and other areas. Moreover, they are not limited to cities, but also rural areas for educational purposes. Every day new technologies keep coming, making life easier and more comfortable.

### Brief about Science

Throughout history, science has come a long way. The evolution of the person is the contribution to science. Science helped humans to find vaccines, potions, medicines and scientific aids. Over the centuries, humans have faced many diseases and illnesses taking many lives. With the help of science, medicines are invented to bring down the effect or element of these illnesses.

### Brief of Technology

The mobile, desktop or laptop which you are using for reading this essay, mobile you use for connectivity or communication or the smart technology which we use in our daily life, are a part of technology. From the machinery used in the factory to the robots created all fall under tech invention. In simpler words, technology has made life more comfortable.

Advancement in science and technology has changed the modern culture and the way we live our daily life.

### Advantages and Disadvantages of Science and Technology

#### Advantages

Science and technology have changed this world. From TV to planes, cars to mobile, the list keeps on going how these two inventions have changed the world we see through. For instance, the virtual talks we do use our mobile, which was not possible earlier. Similarly, there are electrical devices that have made life easier.

Furthermore, the transportation process we use has also seen the contribution of science and technology. We can reach our destination quickly to any part of the world.

Science and technology are not limited to this earth. It has now reached mars. NASA and ISRO have used science and technology to reach mars. Both organizations have witnessed success in sending astronauts and technologies to explore life in the mars.

#### Other Benefits

1. Life is much simpler with science and technology
2. Interaction is more comfortable and faster
3. Human is more sophisticated

#### Disadvantages

With the progress in science and technology, we humans have become lazier. This is affecting the human mind and health. Moreover, several semi-automatic rifles are created using the latest technology, which takes maximum life. There is no doubt that the third world war will be fought with missiles created using technology.

- Man has misused the tech and used it for destructive purposes.
- Man uses them to do illegal stuff.
- Technology such as a smartphone, etc. hurts children.
- Terrorists use modern technology for damaging work.



### Science and Technology in India

India is not behind when it comes to science and technology. Over the centuries, the country has witnessed reliable technology updates giving its people a better life. The Indian economy is widely boosted with science and technology in the field of astronomy, astrophysics, space exploration, nuclear power and more. India is becoming more innovative and progressive to improve the economic condition of the nation.

The implementation of technology in the research work promotes a better life ahead. Similarly, medical science in India is progressing rapidly, making life healthy and careful. Indian scientists are using the latest technology to introduce new medical products for people and offer them at the lowest price.

### The Bottom Line

The main aim of writing this essay on science and technology is to showcase how humans have evolved over the years. Since we are advancing, the science and technology industry is also advancing at a faster pace. Although there are challenges, the road ahead is exciting. From interaction to transportation and healthcare in every sector, we will witness profitable growth in science and Technology.

## Science and Information Technology

Science is the information about earth, environmental factors and condition and the living creatures included. Science offers new data and disclosures of numerous things. We don't the simple or naïve idea. Step by step science is advancing. Present science has helped man arrive at the moon, which was once obscure to man. The contribution of science is immense in our daily life, and without it, our existence is unimaginable. Imagining a world without science is like imagining death on the ultimate end. It is because science is something that has forever been a very intricate and integrated part of our lives.



Information technology relates to data acquisition, information collection, security, change, exchange, study, design etc. Functions of computer hardware and software applications required for an execution of these takes. As a result of communication revolution, electronic communication is being considered as a major component of Information

Technology.

Technology is a very amazing thing that scientists create. Technology is the most powerful and useful form of science for the general population. In simple words, technology is when we take the concepts of science and transform them into gadgets and devices that are useful to us human beings. When we look around us, almost everything is a result of or a form of technology. Without technology, our lives would not have been simple and easier. All the modernization in today's world is because of development in technology. Technology really can help make life easier.

Pranaballav Patra

Class VI

OAV Kalika, Jaleswar, Balasore

## Science and Information Technology

The word 'Science' as it's heard by the present generation, means the latest version of iPhone. But, the real essence of the word is a bit more complex to that.

Science essentially implies a systematic attempt to understand the realities present all around the cosmic existence. Right from the 'Big Bang' to the 'Quantum Entanglement' every niche of information that has got something to do with reality comes under the framework of science. Even recorded events of the past i.e. 'History' and the principles dealing with politics "Political Science" or the one with legislature like "Civics" are infact "the realities back then in the past" and "realities to be every now and then" respectively. And thus, this entire classification comes under the field of a science called "Social science".

Now the application of these principles into something artificial is called, technology. Hence, technology being an applied attempt, should never be confused with science. Well, to further add up to the contexts of the term technology, there are further clarifications of technology. Among which the most demanding and promising field is that of IT- Information Technology. Right from software programming to effectively handling the data in hardware systems, IT is simply a boon. Thinking of a way for the modern world to function smoothly at an efficient rate without IT is probably a dream coming true. The field like the others also has its own merits and demerits.

Some of its merits are:

- Increased data security
- Benefits to an effective communication around the globe
- Improved productivity
- Wider Talent Net to exhibit someone's skills to a vast majority of people
- Achievement of coordination and unity all around the world in a rat-race competitive age

Some of its demerits are:

- Unemployment
- Breaching of data security
- Easy distractions for the users, especially young minds
- Unhealthy and a lazy environment



e. Availability of undesirable and vulgar contents which is simply not appropriate for all age groups

Thus, whether it's Science or IT, both may be the boons, provided they are handled carefully.

OmmSwayam Dev Dey

Class VI

OAV Kalika, Jaleswar, Balasore

## SCIENCE AND INFORMATION TECHNOLOGY

Science is the pursuit and application of knowledge and understanding of the natural and social world following a systematic methodology based on evidence. Scientific methodology includes objective observation, evidence, experiment, induction, repetition, critical analysis and testing.

The 21st century is known as the age of information technology. The term information technology is given to all advancements of technology learning modern progress in technology in the world. Modern progress in technology learning or information technology has led to immense possibilities loss of technological devices such as computer, internet, websites, e-commerce, e-mail, cellphones, credit cards and ATM machines are part of information technology advancements.



All these have made it possible for people to gather information and use it for their needs.

It has evolved tremendously in recent decades and had revolutionized the way human connect and work. Advancement in technology and better information system provide lots of possibilities communication and connectivity.

After the invention of the computer and the internet the world has changed a lot. Just press a button and swipe can get many things done. We can talk to anyone from any place and can get anything just by sitting at home. All these are greatest advantage of IT.

Jeet Prakash Rana

Class- IX

OAV. Kursud, Titilagarh, Bolangir

## BIG BANG THEORY -THE EXPANSION OF UNIVERSE

Big Bang theory and expansion of universe is one of the hit challenging problem in physics. In Recent time the Research work suggest that the whole universe is expanding in an accelerated frame. What is the causes of this acceleration? Bing Bang theory explains that.

The Big Bang theory is an effort to explain what happened at the very beginning of our universe. According to the Standard theory, our universe sprang into the existence as "singularity" around 13.7 billion year ago. What is singularity and where does it come from? Well singularity are the zone which defy our current understanding of physics. They are thought to exist at the core of the "black holes".



Black holes are area of intense gravitational pressure. This pressure is thought to be so intense that finite matter is actually squished into infinite density. The zones of infinite density are called "singularities". If Einstein is Right and general Relativity is correct then our universe is expanding. So if you Reverse the time then the universe get smaller. What if I Reverse the time, all the way back what happened the beginning of time. so the universe get Smaller and smaller, getting hotter and hotter denser and denser.

The Big Bang theory is the current model that describes the early development of the universe. Let us take an example, we tend to imagine a giant explosion takes place. This explosion expanded and form universe. The theory of Relativity and its implication regarding our motion of time. Einstein theory of general relativity to include measurement of time and space. According to their calculation, time and space had a finite beginning that corresponded to the origin of matter and energy. The singularity didn't appear in space. The abundance of the "Light element" like Hydrogen and Helium found in the observable universe are thought to support the big bang model of origin.

From Hubbles how we bound second galaxies in universe (Andromeda Galaxy). His theory stated that the moving object away from at the speed is proportional to their distance.

Ajit Kumar Jena

Class-XI (Science)

OAV, Palasadia

**MAN & MACHINE**



Click click click click.....  
 It's from a mouse,  
 And not from a clock's tick,  
 But a mouse that isn't a mouse.

A live-mouse, given the chance,  
 Could revolt against this practice.  
 A strong case of violation!!!  
 And a clear dignity-malice.

Mankind, oblivious of  
 Respecting surrounding,  
 Is in a race unknown,  
 Almost at the cost of his being.

Time has come, for  
 Machine Learning & Artificial Intelligence.  
 Scared are the Think Tank,  
 Of mankind's existence.

Hasn't the time come,  
 The so-called servant  
 Supersedes the master  
 Making him irrelevant???

One's identity has  
 Relegated to a password!!!  
 Or a contact number,  
 And no flesh and blood.

Anarchy is imminent,  
 As the creation challenges the creator.  
 Baffled is the One  
 Whom we call Supreme Creator!!!

"World within a world???  
 That was not My Plan.  
 What a shame indeed,  
 I am the Most Neglected One!!!"

Every deviation has to  
 Pay a price for.  
 The sooner understood,  
 It is the better.

Machine! Machine! Everywhere!  
 Alas! it could understand  
 Human Sorrow,  
 And offer a soothing balm!!!

Panchanan Padhan  
 Principal, OAV, Jamkani, Tarbha

**Science and Information Technology**

Science is the pursuit and application of knowledge and understanding of the natural and social world following a systematic methodology based on evidence. The full form of **SCIENCE** is " Systematic, Comprehensive, Investigation and Exploration of Natural, Causes and Effect".

The application of Science and technology is vital to the process of growth and development of an society. The other, a much wider segment is still traditional, static and dismissed as unresponsive to change while being denied the opportunity to benefit from the modern science. Space X is a bigger step closer to send its giant starship spacecraft into orbit, completing an engine-firing test at the launch pad.

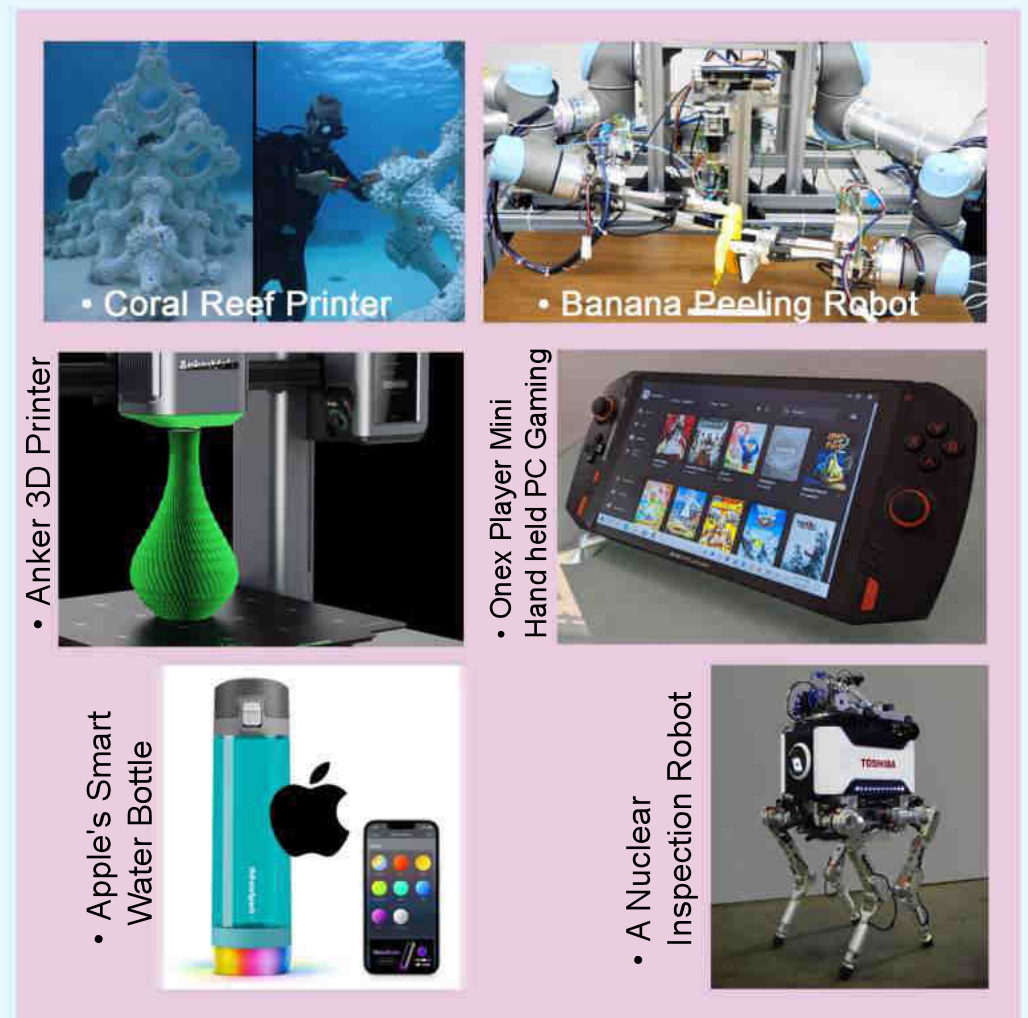
**Space X MUSK: 1st Starship test flight to orbit.**

The team turned off one engine before Sending the Firing Command and another engine Shutdown - "but still enough engines to reach or bit!" -----tweeted SpaceX's Elon Musk.

Robotic Systems have become increasingly sophisticated over the Past decades, improving both in terms of precision and capabilities. This is gradually facilitating the Partial automation of Some Surgical and medical Procedures

Here are some coolest inventions to emerge from the minds of engineers and Scientists in April 2022.

- Coral Reef Printer
- Banana Peeling Robot....
- Anker 3D Printer.
- Onex Player Mini Hand held PC Gaming
- Apple's Smart Water Bottle
- A Nuclear Inspection Robot....



The use of modern technology and new techniques in the implementation of this scheme has ensured transparency as well as helped in increasing the pace of implementation process. In each stage of housing construction, information technology based MIS- Awa soft, mobile-based application Awas app and Space technology are being used on a large scale for monitoring purpose.

All Science and technology are depending upon the human resources. Its make life easier and more comfortable for humans. Science and technology enable us to save both time and money. If we try more we will definitely develop rural areas not only through the help of Government, we will also try to make some efforts to develop our rural areas.

Amit Kumar Mohanta  
 Class: IX  
 OAV, SANSOLE, SAMAKHUNTA, MAYURBHAN

ପ୍ରେମ ଦିବସ

ସେଦିନ ଥିଲା କୁର ଫେବୃୟାରୀ ତଉଦ,  
ଭାରତ ଭୁସୁର୍ଗ କୋଳେ ବରଫ ଚାଦରେ  
ଲୁଚକାଳି ଖେଳୁଥିଲା ମୃତ୍ୟୁର ବଉଦ । (୧)

କ୍ଷୁଦ୍ର ଆତଙ୍କିର ପ୍ରତିଶୋଧ ଅସୀଦାଶେ,  
ମୃତ୍ୟୁ ତା'ର ରଚନା ତାଣ୍ଡବର ଲୀଳା  
ମୋ ଦେଶ ଏ ଘଟଣା ଯେ କିଏ ବା ନଜାଣେ ! (୨)

ଜନ୍ମ ଏବଂ ଶ୍ରୀନଗର ରାଜରାଷ୍ଟ୍ରା କଡ଼େ,  
ଆତଙ୍କବାଦୀଙ୍କ ଆତ୍ମହତ୍ୟା ବିଶୋରଣେ  
ଚାଳିଶ ବୀରଙ୍କ ଶିର ଅକାରଣେ ଗଡ଼େ । (୩)

ବୀରଙ୍କ ଶରୀର ଖଣ୍ଡ ବିଖଣ୍ଡିତ ହୋଇ,  
ମାତୃଭୂମି ସେବା ପାଇ ଦେଇ ନିଜ ପ୍ରାଣ  
ଚିରଦିନ ପାଇ ଚିରନିଦ୍ରା ଗଲେ ଶୋଇ । (୪)

ମରି ବି ଅମର ହେଲେ ବୀରଗଣ ସେହି,  
ସ୍ୱର୍ଣ୍ଣାକ୍ଷରେ 'ବୀର ଶହୀଦ' ର ନାମ ବହି  
ଚାଲିଗଲେ ଇତିହାସେ ସ୍ମୃତି ଛାଡ଼ିଦେଇ । (୫)

କେଇ ବର୍ଷ ନ ପୂରୁଣୁ ଭୁଲି ତାଙ୍କ କଥା,  
ତାଙ୍କ ମୃତ୍ୟୁ ଦିନେ ପାଣ୍ଡାତ୍ୟର ରଙ୍ଗେଜଙ୍ଗେ  
ପ୍ରେମର ଦିବସ ପାଳେ ମୋ ଦେଶ ଜନତା । (୬)

ଫେବୃୟାରୀ ତଉଦରେ ଠିକ୍ ଏହି ଦିନ,  
ରାଜଗୁରୁ, ଭଗତ ଓ ଶୁକକୁ ହରାଇ  
ଭାରତ ମାଆର କୋଳ ଦଶଇ ଶ୍ରୀହୀନ । (୭)

ଭାରତ ମାଆର ଟେକ ରଖିବାକୁ ଯାଇ,  
ତିନି ବୀର ପୁତ୍ର ହସି ମୃତ୍ୟୁକୁ ବରଲେ  
ନିଜ ମାଟି ମାଆ ଯଶ କାଢ଼ି ଗାଇ-ଗାଇ । (୮)

ଭାରତର ଇତିହାସେ ଏହି କଳା ଦିନେ,  
ପ୍ରେମର ରଙ୍ଗରେ ଭିଜେ କିନ୍ତୁ ଏ ସଂସାର  
ପ୍ରେମୀୟୁଗଳଙ୍କ ପ୍ରିୟା-ପ୍ରୀତି ପଦ ଚିହ୍ନେ । (୯)

ଦେଶପ୍ରେମୀଙ୍କର ପ୍ରତି ଶ୍ରଦ୍ଧାର ଅଭାବ,  
ତାଙ୍କ ପ୍ରତି ଦେଖିବାକୁ ଲୋକଙ୍କର ହୃଦେ  
ମିଳୁନାହିଁ ଜମା ଆଉ ଆଦରର ଭାବ । (୧୦)

ପାଣ୍ଡାତ୍ୟର ପ୍ରେମ ଅଟେ ଏ ସାତ ଦିନିଆ,  
ନ ବିଚାରି ଦେଶ, ଜାତି, ସମାଜର ହିତ  
କିଶୋର-କିଶୋରୀ ପ୍ରେମେ ହୁଅନ୍ତି କିମିଆ । (୧୧)

ତୋ ବିଚାର କ'ଣ ଆହେ ଜଗତ କରତା ??  
ନ ଅରପି ତାଙ୍କୁ ଆଜି ଶ୍ରଦ୍ଧାର ସୁମନ  
ପ୍ରେମର ଦିବସ ପାଳେ ମୋ ଦେଶ ଜନତା । (୧୨)

ରାଧାମୋହନ ପୂଜାହାରୀ  
ହିନ୍ଦୀ ଶିକ୍ଷକ  
ଓଡ଼ିଶା ଆଦର୍ଶ ବିଦ୍ୟାଳୟ, ତାଳଚେର  
ଜିଲ୍ଲା : ଅନୁଗୋଳ

ଭୂକମ୍ପ ଏକ ପ୍ରାକୃତିକ ବିପର୍ଯ୍ୟୟ

ବିପର୍ଯ୍ୟୟ ବା Disaster ପ୍ରାନ୍ତ ଶବ୍ଦ "Desastre" ରୁ ଆସିଛି ଯାହାକି ଦୁଇଟି ଶବ୍ଦର ମିଶ୍ରଣ "Des" ଅର୍ଥ ଖରାପ (Bad) ଓ "Aster" ଅର୍ଥ ତାରା (Star) ଏହାର ଅର୍ଥ Bad or Evil Star। ଯେଉଁସବୁ ଆକସ୍ମିକ ପରିବର୍ତ୍ତନ ମନୁଷ୍ୟର ସ୍ୱାଭାବିକ ଜୀବନ ଯାତ୍ରାରେ ପ୍ରତିବନ୍ଧକ ଓ ବିପଦର ଆଶଙ୍କା ସୃଷ୍ଟି କରିଥାଏ, ସେ ଗୁଡ଼ିକୁ ବିପତ୍ତି କୁହାଯାଏ। ସେହି ବିପତ୍ତି ଯେତେବେଳେ ବିଶେଷ କ୍ଷତିକାରକ ଓ ଧ୍ୱଂସାତ୍ମକ ରୂପ ନିଏ, ତାହାକୁ ବିପର୍ଯ୍ୟୟ କୁହାଯାଏ। ମନୁଷ୍ୟର ଆୟତ୍ତ ବାହାରେ ପ୍ରକୃତି ଦ୍ୱାରା ଏସବୁ ଘଟୁଥିବାରୁ ଏହାକୁ ପ୍ରାକୃତିକ ବିପର୍ଯ୍ୟୟ କୁହାଯାଏ। ସେଗୁଡ଼ିକ ହେଉଛି ଭୂକମ୍ପ, ବନ୍ୟା, ବାତ୍ୟା, ମରୁଡ଼ି, ଭୂ- ସ୍ଫଳନ, ଅଂଶୁଘାତ, ଘୂର୍ଣ୍ଣିବାତ୍ୟା, ସୁନାମୀ ଇତ୍ୟାଦି । ପ୍ରାକୃତିକ ବିପର୍ଯ୍ୟୟ ମୁଖ୍ୟତଃ ବାୟୁ, ଜଳ ଓ ଭୂ-ସମ୍ପର୍କିତ।

ପୃଥିବୀର ଅଭ୍ୟନ୍ତରରେ କୌଣସି ପରିବର୍ତ୍ତନ ଘଟିଲେ ଭୂପୃଷ୍ଠରେ କମ୍ପନ ସୃଷ୍ଟି ହୁଏ। ଏହାକୁ ଭୂ-କମ୍ପ ବା ଭୂମିକମ୍ପ କୁହାଯାଏ। ଭୂମିକମ୍ପ ହେବାର କାରଣ ଗୁଡ଼ିକ ହେଉଛି ଆବେଗ ଗିରି ଉତ୍ତ୍ୱରଣ, ଭୂ- ସ୍ଫଳନ, ଖାଣି ଅଞ୍ଚଳରେ ଭୂପାତ ଓ ବଡ଼ବଡ଼ ଜଳଭଣ୍ଡାର ଥିବା ଅଞ୍ଚଳରେ ପ୍ରବଳ ଭୂପାତ କାରଣରୁ ଘଟୁଥିବା ଭୂକମ୍ପ ସୀମିତ ଅଞ୍ଚଳକୁ ପ୍ରଭାବିତ କରିଥାଏ, ମାତ୍ର ଭୂତଳନ କାରଣରୁ ହେଉଥିବା ଭୂକମ୍ପ ବ୍ୟାପକ ଅଞ୍ଚଳରେ କ୍ଷୟକ୍ଷତି ଘଟାଇ ଥାଏ।

ଭୂକମ୍ପ ହଠାତ ଆସିଥାଏ। ଭୂକମ୍ପ ତରଙ୍ଗର ତୀବ୍ରତାରୁ ହିଁ ତାହାର ଧ୍ୱଂସକାରୀ ଶକ୍ତି ନିର୍ଣ୍ଣୟ କରାଯାଏ। ସେହି ଶକ୍ତି ତରଙ୍ଗ ଗୁଡ଼ିକ ହେଉଛି ପ୍ରାଥମିକ ବା P ତରଙ୍ଗ, ମାଧ୍ୟମିକ ବା S ତରଙ୍ଗ ଏବଂ ପୃଷ୍ଠ ଦେଶୀୟ ବା L ତରଙ୍ଗ। ଭୂକମ୍ପ ମାପିବା ପାଇଁ ସିସମୋଗ୍ରାଫ ନାମକ ଏକ ଯନ୍ତ୍ର ବ୍ୟବହାର କରାଯାଇଥାଏ ଏବଂ ସେଥିରେ ଭୂକମ୍ପ ତୀବ୍ରତା ଜାଣିବା ପାଇଁ ରିକ୍ଟର ସ୍କେଲର ଏକକ ବ୍ୟବହାର କରାଯାଇ ଥାଏ । ଭୂକମ୍ପ ଭୂଗର୍ଭରେ ଯେଉଁଠାରେ ସୃଷ୍ଟି ହୁଏ, ତାହାକୁ ଭୂକମ୍ପକେନ୍ଦ୍ର ଏବଂ ତାର ଠିକ ଉପର ଭୂପୃଷ୍ଠର ସ୍ଥାନକୁ ଭୂକମ୍ପର ଉପକେନ୍ଦ୍ର କୁହାଯାଏ। ଏହି ଭୂକମ୍ପ ଉପକେନ୍ଦ୍ର ଅଞ୍ଚଳର ଲୋକେ ତାର ଭୟଭୟତାକୁ ଅନୁଭବ କରିଥାନ୍ତି। ଉପକେନ୍ଦ୍ର ଠାରୁ ଦୂରକୁ ଭୂକମ୍ପର ପ୍ରକୋପ କ୍ରମେ କମି କମି ଯାଇଥାଏ।

ଭୂକମ୍ପ ସୂଚନା ଗୁଡ଼ିକ ଯଥା ହଠାତ ଜଳାଶୟର ଜଳ ପତନ ଉପରକୁ ଉଛୁଳିବା, ସମୁଦ୍ର ଜଳ କୂଳ ଲଘନ କରିବା ବା ସମୁଦ୍ର ଭିତରକୁ ପଛେଇଯିବା, ବିଭିନ୍ନ ଜୀବଜନ୍ତୁଙ୍କ ସ୍ୱଭାବରେ ପରିବର୍ତ୍ତନ ଦେଖାଯିବା ଇତ୍ୟାଦି।

ଭାରତର ସମୁଦାୟ ଅଞ୍ଚଳର ଶତକଡ଼ା ୫୫ ଭାଗ ଅଧିକ ଭୂକମ୍ପ ପ୍ରବଣ, କିନ୍ତୁ ପୃଥିବୀର ଶତକଡ଼ା ୯୦ ପ୍ରତିଶତ ଭୂକମ୍ପ କେବଳ ପ୍ରଶାନ୍ତ ମହାସାଗରୀୟ ଅଞ୍ଚଳରେ ସଂଘଟିତ ହୁଏ।

ଭୂକମ୍ପର ପ୍ରଭାବ ରେ ଅନେକ ଧନଜୀବନ ନଷ୍ଟ ହୁଏ । ଘରଦ୍ୱାରା ର ମାଟିରେ ମିଶିବା ସହ ଜଳଯୋଗାଣ, ବିଦ୍ୟୁତ ସେବା, ଦୂର ସଞ୍ଚାର ସେବା ପରି ଅତ୍ୟାବଶ୍ୟକୀୟ ସେବା ବାଧାପ୍ରାପ୍ତ ହୁଏ। ଭାରତରେ ୧୯୯୩ ମସିହା ରେ ମହାରାଷ୍ଟ୍ର ର ଲାଟୁର, ୨୦୦୧ ମସିହାରେ ଗୁଜୁରାଟ ର ଭୁଜ ଏବଂ ୨୦୦୫ ମସିହାରେ କାଶ୍ମୀର ଅଞ୍ଚଳରେ ପ୍ରବଳ ଭୂମିକମ୍ପ ଯୋଗୁଁ ବ୍ୟାପକ ଧନଜୀବନ ହାନି ହୋଇଛି। ଚଳିତ ବର୍ଷ ସିରିଆ ଓ ତୁର୍କୀରେ ଘଟିଥିବା ଭୟାବହ ଭୂକମ୍ପ ଯୋଗୁଁ ସେହି ଦେଶର ଲୋକମାନଙ୍କର ସାମାଜିକ ଏବଂ ଆର୍ଥିକ ଅବସ୍ଥା ଶୋଚନୀୟ ହୋଇଛି ।

କାହ୍ନୁ ଚରଣ ଭୋଇ  
ସାମାଜିକ ବିଜ୍ଞାନ ଶିକ୍ଷକ  
ଓଡ଼ିଶା ଆଦର୍ଶ ବିଦ୍ୟାଳୟ ଗୋବିନ୍ଦପୁର, ପିପିଲି

- Editorial Board:**
- i. Panchanan Padhan, Principal, OAV Tarbha (Team-Leader)
  - ii. Prassana Kumar Behera, OAV Gaisilat
  - iii. Ramanikanta Sahoo, Principal, OAV Rengali
  - iv. Ramakrushan Sahoo, Principal, OAV Remuna
  - v. Bibhuti Bhusan Satapathy, Principal, OAV Karapalli
  - vi. Abhishek Mohanty, PGT Physics, OAV Piplipalli,
  - vii. Subhashree Samantray, PGT English, OAV Puintala
  - viii. Radha Mohan Pujahari, TGT Hindi, OAV Mahupal
  - ix. Printinanda Sha, TGT Sanskrit, OAV Salapada
  - x. Padmanava Naik, TGT Odia, OAV Patrapali
  - xi. Sandhyarani Swain, TGT English, OAV Badasinghari.

- Circulation Team:**
- i. Bibhuti Bhusan Mandal, Principal, OAV Ranibhol (Team Leader)
  - ii. Arun Kumar Patel, Principal, OAV- Sasanambagaon
  - iii. Bhakti Ranjan Behera, Principal, OAV- Begunia
  - iv. Dr. Tanuj Kumar Nayak, Principal, OAV- Iconic.
  - v. Satyabrata Samal, Principal, OAV- Bentapur
- Cover and Interior Design**
- i. Amarendra Moharana, Art Teacher, OAV Tingiria (Team Leader)
  - ii. Santosh Kumar Routray, Art Teacher, OAV Badapur
  - iii. Ashutosh Patra, Art Teacher, OAV Ramanguda
  - iv. Biplab Kumar Bhesra, Art Teacher, OAV Chancharpada
  - v. Gita Ballava Nandan Dash, Art Teacher, OAV Govindpur
  - vi. Satyaranjan Sahoo, Art Teacher, OAV Paramanpur

# CREATIVE HIGHLIGHTS



BINAYAK PRITAM BEHERA, CLASS-IX, OAV-SANSOLE, MAYURBHANJ



SAMARJEET BEHERA - ART TEACHER, OAV- SANSOLE, MAYURBHANJ



KARTIK JHIGIDI , CLASS- VIII SCHOOL - OAV, GONDHIPALLY, MALKANAGIRI



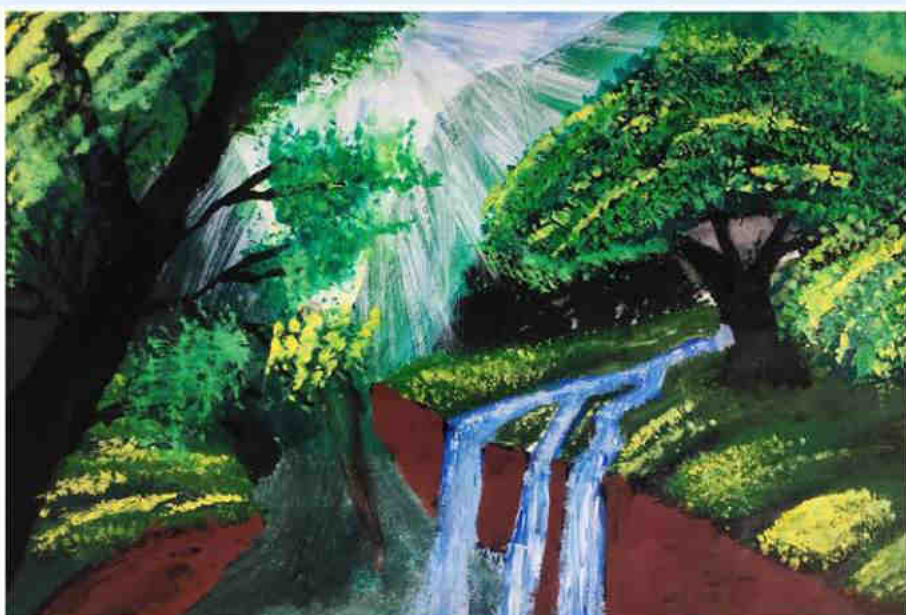
KHITESH KUMAR NAIK, CLASS- IX OAV CHANCHARAPADA, JAIPATNA



SHRABANI KHAMARI , XI, OAV\_ CHANCHARAPADA\_ JAIPATNA\_ KALAHANDI



SRABANI KHAMARI, CLASS- XI OAV- CHANCHARAPADA, JAIPATNA



SAI SWAROOP THAKUR, CLASS - VIII, OAV- CHANCHARAPADA, JAIPATNA



AMARENDRA MOHARANA, ART TEACHER, OAV, TINGIRIA, RARUAN, MAYURBHANJ

# ACTIVITIES



1ST ANNUAL DAY CELEBRATION, OAV BALIANTA, KHURDHA, GRACED BY SRI SAMIR RANJAN DASH, HON'BLE MINISTER, S & ME DEPT, GOVT OF ODISHA



SURPRISE VISIT OF HON'BLE ST SECRETARY, SRI V K PANDIAN SIR TO OAV- PACHINGI, NARAYANPATNA, KORAPUT



ASMA NAYAK, CL- IX, OAV TINGIRIA, RARUAN, MAYURBHANJ & SUSHREE BIDUSMITA BEHERA OF CL-VII FROM OAV- BARIHAPUR, PARJANG, DHENKANAL SUCCESSFULLY PARTICIPATED IN NATIONAL LEVEL 30TH NATIONAL CHILDREN'S CONGRESS HELD AT SAL- EDUCATIONAL CAMPUS, AEMADABAD, GUJRAT FROM 27TH TO 31ST JANUARY 2023



1ST ANNUAL DAY CELEBRATION "ସୁଜନାୟନ" OF OAV- SIPASARUBALI, BRAHMAGIRI, PURI



SMRUTI RANI SAHU, CL -XI STUDENTS OF OAV-SASAN, AMBAGAN, HINJILICUT, GANJAM HAS SECURED 1ST POSITION IN THE STATE LEVEL ANCILLARY COMPETITION UNDER HACKATHON BY DSE, GOVT.OF ODISHA



"UTSAV" AN ANNUAL DAY CELEBRATION AT OAV, TINGIRIA, RARUAN, MAYURBHANJ



STOP CHILD LABOUR CULTURAL EVENT OAV - PALASAGADIA, BONTH, BHADRAK



"ALMA FIESTA" 7 TH ANNUAL DAY CELEBRATION AT OAV- CHANDHARAPADA JAI PATNA, KALAHANDI