

INVESTITURE CEREMONY

Leaders aim to be worthy role models



Leadership is not about a title or a designation. It's about impact, influence, and inspiration. -Robin S Sharma

The investiture ceremony for the academic session 2021-22 was held with great dignity and enthusiasm. It was commenced with lighting of the ceremonial lamp.

The elected head girl Supriya Khandilya and head boy Ashray Iyengar introduced themselves and they were conferred badges

VIDYASOUDHA PUBLIC SCHOOL, PEENYA

and sashes along with other council members by Board directors

Aravind Manje Gowda and Pavan Manje Gowda and principal Padmashree. The oath taking ceremony was led by the principal and the office bearers pledged

to dispense their duties to the best of their abilities and abide by the rules and regulations of the school.

The dignitaries reiterated that student council posts were about responsibilities and authority. They were guided to be worthy role models for their peers by being exemplary in their disposition and demeanour. The occasion proved to be an exhilarating moment for all the office bearers who were filled with zeal and zest to take up their duties.

The school held its second Investiture ceremony on August 12, 2022. Teacher Shwetha was the host of the event. The event began with a welcome by academic coordinator Ashok. A melodious invocation song by teachers Avijith and Mohana Priya was followed by a delightful invocation dance performance by Shameekha of class IV.

Director Alok Bhimesh delivered an insightful speech about leadership with some intriguing activities. Principal Gita R Giri addressed the council members and enlightened them on managing leadership and responsibilities. The director and principal honored the captains and prefects with badges. The children marched spritely and majestic-

BASIL WOODS NATURE SCHOOL

ly in sync with the beating of the drums to receive their badges. The march past parade was executed meticulously in perfect sync with the sound of the drums. Captain Shriya Bhat led the pledge and the prefects followed.

Senior academic coordinator Kalpana Jaiswal delivered the vote of thanks.



SILVER OAKS INTERNATIONAL SCHOOL, SARJAPUR

There are few things as nerve-wracking as standing up in front of a crowd of parents, teachers and students and swearing that you will do your level best to look after the needs and wishes of over a thousand students. This is what our student government did on August 4, 2022 during the Investiture ceremony.

The ceremony began with the principal and director lighting the lamp followed by musical performances by class VI students.

The captains, vice-captains, prefects of the four houses, school pres-

ident, vice president, the chief editor of the school magazine, and the sports captain received the customary badges and sashes, and letters of appointment. The entire student government stood united to take the oath, swearing to look after the members of the school and houses, and to be the best leaders they could be

for the school. In addition, as a surprise to everyone, the title holders were presented with business cards, stating their names and positions.

Being chosen for the post of a member of the student government means the entire school has their eyes on you; on the way you talk, act and speak. There's an enormous amount of responsibility given to you the moment you take the oath. The student government chose to step up to bear this weight with the same fervour that the students had chosen them.

Dhivya Iyer, class X

"Leaders aren't born, they are made. And they are made just like anything else, through hard work." Vince Lombardi

GJR INTERNATIONAL SCHOOL

Voting at school is a unique civic learning experience that teachers and faculty can build upon in the classroom to help young people become educated, engaged citizens. The school held elections to select students for the posts of school captain, vice-captain, house captain, and student spokesperson.

Being their first exposure to the voting system, students were given instructions on the whole process, starting from placing "ink" on the left forefinger to casting their votes. Contestants were given the option to choose the symbols they want on the ballot paper. The school's library turned into a polling booth.

The school held the investiture ceremony on August 10, 2022. Principal. Neelam Ravi administered the oath of office to the newly elected students. The members of the School Council and the leaders of various Houses were sworn into their portfolios with the pledge administered by the Speaker. The chairman honoured the elected leaders with sashes and badges.

The school captain in her maiden official speech thanked the voters and promised to fulfill her responsibilities by the vision and the mission of the school.



The ceremony concluded with the principal day must spread positive vibes of peace, harmony, and goodwill in society.

The Investiture Ceremony is a solemn occasion where all the young students are prepared to don the mantle of leadership and discharge the responsibilities entrusted upon them by the school. Our school acknowledged the budding young leaders and reposed trust in them.

RAINTREE SCHOOL, MYSORE ROAD

We held the investiture ceremony on September 5, 2022. The elected school leaders - school captain, school vice-captain, sports captain,



sports vice-captain, discipline head, discipline asst. head were given badges by their teachers.

Earlier, elections were held to choose the leaders and students happily campaigned and asked for votes.

The school recently announced its student council for the academic year 2022-23 after following due democratic process of nomination, campaigning and voting. The elected students were invested with duties and responsibilities, which will help them hone their leadership skills, realise value of team work and motivate them to excel even better in academics and co-scholastic areas.

Namala Shi-

OUR SCHOOL

Thoshith S D, the sports captain is Harsha L. Amrutha M Patil, Chiranthan L. Aprameya H G, and Pavithran N have been named as house captains.



INDEPENDENCE DAY

SOUNDARYA CBSE SCHOOL

The students participated in competitions and skits on August 29 to observe the 76th year of Indian Independence. Skits, patriotic songs, a painting competition, students dressed as freedom fighters portraying their roles in the freedom movement, posters on "One Nation, One People, One Emotion" were part of the programme. The events helped the students understand the concept of unity in diversity.



DIYA ACADEMY OF LEARNING



The school celebrated the 76th Independence Day with a lot of enthusiasm and patriotic fervor. The chief guest unfurled the tricolour flag. A graceful welcome dance, a splendid march past by the four houses, the school band and NCC Cadets, a special performance by cadets, a medley of patriotic songs, instrumental music and speeches by the guests, principal and students were the highlights.

SAINIK SCHOOL BIJAPUR

Gaiety and Patriotic fervour marked the 75th Independence Day celebration, with a number of programmes organized to mark this historic occasion. The celebration commenced with unfurling of the Tricolour by principal Group Captain Pratibha Bisht. It was followed by the Independence Day parade by the cadets, who marched to the tunes of 'Kadam Kadam Badhaye Ja' and 'Saare Jahan Se Achha' played by the school band. Addressing the cadets, Group Captain Bisht said that India had earned its freedom due to the relentless struggle and immense sacrifices of freedom fighters and brave soldiers. This occasion is to remember the sacrifices made by the freedom fighters and to honour the martyrs who laid down their lives for the country. She exhorted



the cadets to play a significant role in shaping the destiny of the country by upholding values cherished by great men. The NCC Coy Junior division was adjudged the Best Parade troop amongst 24 troops that participated in the Independence Day Parade organized by the district administration at Ambedkar Stadium, Vijayapura. State minister for food, civil supplies, and district incharge minister Umesh Katti handed

over the trophy to the troop. The cadets impressed with their spectacular and impressive march past in the parade. As part of the celebration, an inter-house rangoli competition and patriotic song competition were also organized. Vice-principal Commander Suruchi Gaur, administrative officer Squadron Leader Akash Vats, senior naster C Rama Rao, staff and students were present on the occasion.

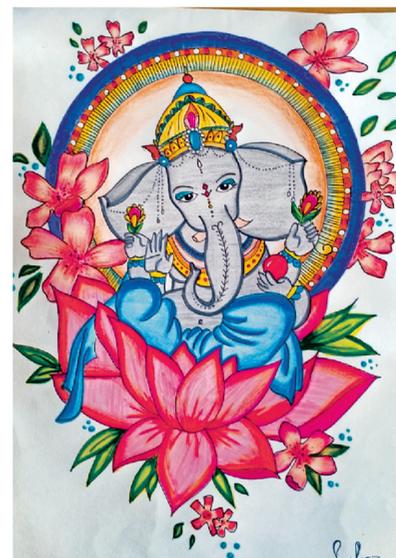
FESTIVE CELEBRATIONS



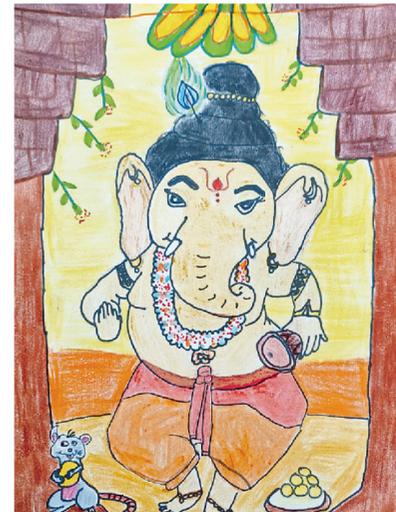
SHIKSHA SAGAR HIGH SCHOOL

In order to create awareness among students to protect the environment, an eco-friendly clay Ganesha idol making workshop was held at school for students of classes I to X.

Students were instructed to bring the required materials and most of the students actively participated in the workshop under the guidance of art teacher Manpreet Kaur. At the end of the workshop, students were excited to take home the idols created by them.



Lord Ganesha: Smisha Shaju, class VIII, Capitol Public School



Lord Ganesha: Varenya Sree Kumar, class IV, NPS Kengeri



POLICE PUBLIC SCHOOL

Ganesha Chaturthi was celebrated with religious fervour and devotion on August 27-28, 2022. Under the guidance of teacher Lakshmi Chalapathi, students of classes IX and X took part in the eco-friendly Ganesha clay-idol making activity. Eco-friendly Ganesha and Gowri were installed in the school. Class X students dazzled in their ethnic wear, creating a festive mood. The principal, teachers and support staff were also part of the auspicious celebration. Ganesha astothara and puja were performed by teachers Nagesh A and Skanda Kumar. Shlokas and songs of Lord Ganesha were rendered by the students. All gathered to seek the blessings of Lord Ganesha and Gowri.

Teen innovators take one step greener..



Times NIE presents the Children's Climate Prize 2022 nominees, who have been shortlisted after the jury sifted through applications from over 30 countries, and zeroed-in on these innovators

This year's finalists are truly talented people in their own fields and in their own ways, and I do believe all five finalists are deserving of their positions

VINISHA UMASHANKAR, winner of Children's Climate Prize 2020 for her solar ironing cart and a jury member for Children's Climate Prize 2022



Every year, the young green brigade from around the world come out with their innovations to make the cut at the coveted Children's Climate Prize. The Children's Climate Prize is an international prize annually awarded to young people taking actions to bring sustainable solutions for our planet. Two Indian students are among the finalists for the award. The winner will be presented in November and will receive a diploma, medal and the prize money of SEK 100,000 awarded by the Children's

Climate Foundation in Stockholm. Among this year's nominations, contributions were received from over 30 countries from young people aged 12-17 years. This year's jury included former Children's Climate Prize winner Vinisha Umashankar, who knows from her own experiences what winning the prize can mean. This year's five finalists will each get a closer presentation of their projects during September and October. Who the winner is will finally be revealed at the beginning of November.

THE THERMAL FLOATER - CONVERTING THERMAL ENERGY FROM THE SUN INTO ELECTRICAL ENERGY

SPARSH, 17 YRS, PATNA, INDIA

Increasing levels of greenhouse gas emissions is devastating for the climate, causing higher temperatures, extreme weather and increasing the risk of wildfires, for example. The need for green and clean energy is inevitable, as it helps decrease greenhouse gas emissions and air pollution. Thus, such solutions have a positive impact on both the environment and human health, and contribute to energy supply and development. **THE THERMAL FLOATER** is a device that efficiently converts thermal energy from the sun into electrical energy. Sparsh's floating invention can easily be installed on any inland or stagnant water bodies, thus it doesn't require any dedicated land resources.



energy, the modules also contribute to other environmental benefits, such as reducing evaporation (increasing water availability for other uses), as well as reducing algal bloom in fresh water.

HOW A THERMAL FLOATER WORKS

The barge pulls freezing water from a depth of 3,200ft using a cold water pipe and combines it with the hot surface water to drive a turbine that produces electricity.

WHY IT IS SIGNIFICANT

The ongoing discussions on renewable energy sources, soaring energy prices and growing electricity demand makes Sparsh's innovation much needed. It also reduces pressure on land resources.

Apart from converting thermal

PLANTIFYAI - A MOBILE APPLICATION FOR EFFICIENT CROP DISEASE DETECTION AND TREATMENT

SAMYAK SHRIMALI, 17 YRS, PORTLAND, USA

Crop diseases are a major threat to human food security. Around the world, substantial amounts of agricultural yield is lost due to pests, pathogens and other bacteria. This leads to a mass disruption in food supply and large amounts of unnecessary greenhouse gases. Identifying a disease correctly is a crucial first step for efficient treatment but remains difficult in many parts of the world due to limited access to agricultural experts and professional infrastructure. **PLANTIFYAI** is a mobile application that utilises deep-learning AI algorithms to efficiently and accurately detect crop diseases in plants. When detected, the app also provides treatment steps, common symptoms, and access to recommended curing products.



HOW DOES AI BENEFIT FARMERS?

By using AI technology, the mobile application can be beneficial for farmers all over the world, as it provides a proactive tool that saves food resources.



CAN IT BE SCALED UP?

With PlantifyAI, Samyak has provided a free, easy-to-use, and widely accessible tool, directly into the hands of the farmers, which has the potential to significantly increase global food security, and thus reduce hunger and greenhouse gas emissions. With PlantifyAI, Samyak has recognised a global challenge and found a solution.

CONTINUOUS GROUNDWATER MONITORING WITH MACHINE LEARNING

AKHILA RAM, 17 YRS, LEXINGTON, USA

Water scarcity is an increasing problem globally due to climate change, overpumping and poor management. As groundwater is rapidly depleted in many parts of the world, the effects can be catastrophic to local communities, to human health and to the environment. Timely, up-to-date groundwater management is crucial for maintaining the world's water resources, but current monitoring and data networks are not able to provide sufficient or easily accessible information. Akhila has **DEVELOPED A MACHINE LEARNING MODEL THAT USES SATELLITE DATA TO PREDICT DETAILED CHANGES IN GROUNDWATER** with high accuracy for the United States. A groundwater monitoring dashboard utilizes the model predictions to provide an accessible way for everyone to be aware of groundwater trends. With these precise measurements, local officials are equipped with the tools needed to preserve their region's resources, eliminating excess groundwater depletion.



WHY GROUNDWATER MONITORING WITH MACHINE LEARNING?

Having a proper understanding of the past, current, and future situations of GWL can provide policy-makers and practitioners in water sectors with better insight and perception to develop strategies for the planning and management of water resources, to ensure sustainable socioeconomic development.

CAN IT BE SCALED UP?

The potential scalability of Akhila's machine learning model is huge where this kind of data is publicly available. Being able to predict and plan groundwater resources could be useful to both local politicians and to citizens, making a great impact for many.



CYCLO.CLOUD - UPCYCLING OF FISH SCALE WASTE TO ADSORB HEAVY METALS FROM WASTEWATER

JACQUELINE PRAWIRA, 17 YRS, MOUNTAIN HOUSE, USA

Water pollution is one of the biggest problems that can contribute to water scarcity. Heavy metal pollution in water has grown exponentially with industrialisation and most wastewater treatment plants lack procedures or legal protocols to remove heavy metals from wastewater. As a result, toxic concentrations of heavy metals are being released into the environment where they persist for generations and bioaccumulate in the food chain.

JACQUELINE'S INVENTION CYCLO.CLOUD, utilises fish scale waste to adsorb up to 82 % of heavy metals from contaminated wastewater. By recycling the removed heavy metals and by turning wastewater into a resource for drinking water, Cyclo.Cloud creates a circular economy that both contributes to climate change mitigation and adaptation.



FISH SCALE: SECRET CLEANER



CAN IT BE SCALED UP?

By transforming fish scale waste into a biosorbent (biological materials used to remove pollutants passively from a solution), she has created an easy-to-use solution that is helpful for all.

ORGANIC FERTILIZER - UTILISING USED UP TEA LEAVES AND COFFEE

EIMAN JAWWAD, 17 YRS, LAHORE, PAKISTAN

To keep up with the needs of a growing population, adding fertilizers to help plants and crops grow faster has become a norm. Chemical fertilizers are being used by farmers, leading to algae growth in waterways and disruption of soil balance. Organic fertilizers, on the other hand, are good for the environment and maintain a healthy soil.

Eiman aims to change the excessive use of chemical fertilizers by bringing awareness on benefits of organic ones. For example, tea leaves and coffee grounds can be used as a great source of organic fertilizers. High consumption of tea and coffee results in tons of waste that often is thrown into trash cans. Eiman has therefore started a movement in Pakistan, where the highly potent tea leaves and coffee

LECTED AND REDISTRIBUTED TO THE LOCAL NURSERIES.

Apart from helping the plants grow, Eiman's project reduces waste and helps reduce costs for the nurseries. Together, with all the community engagement, Eiman has been able to collect more than 5 tons of organic fertilizers over three years, which has facilitated the growth of thousands of plants in the local nurseries and parks. Eiman has also visited over 20 different high schools to educate and engage the students.

In addition, Eiman is engaging with the agricultural community and people of Pakistan to make them realise the impact of climate change. With Pakistan recently witnessing massive floods, Eiman's plea to people holds massive significance. Moreover, Eiman's solution is easy to implement, and has a great impact on biodiversity, mitigates pollution and is economically viable. Eiman's simple idea has the potential to make a big difference.



EVER WONDERED ABOUT MAGIC FERTILIZER?



■ Coffee is rich in nutrients that plants can flourish in. So after you are done energising yourself, why not use the coffee grounds to nourish your plants? Simply, add the coffee remains to your composting kit and you're done!
 ■ Tea leaves also are excellent nutrient agents so you can add them to your compost bin.
 ■ Dried tea leaves contain 4.4% nitrogen, 0.24% phosphorus and 0.25% potassium, making it an organic source of NPK fertilizer, known for helping plants grow.

WHY IT IS SIGNIFICANT

In a country like Pakistan where the tea and coffee consumption is very high, Eiman demonstrates a smart local solution to a global problem, which is also highly scalable to other parts of the world.