



NEWSLETTER

GOAL 5 : GENDER INEQUALITY
(Sustainable Development Goals)



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OVERVIEW OF SUSTAINABLE DEVELOPMENT GOALS

- The 70th Session of the UN General Assembly held on 25th September 2015 adopted the Sustainable Development Goals (SDGs) with 17 goals and 169 targets, under the official agenda “Transforming our world: the 2030 Agenda for Sustainable Development”. India is a signatory to this landmark agreement.



70 Session of UN General Assembly, New York , 25th Sept. 2015

- Officially, the SDGs came into effect from 1st January 2016.
- Member Countries have the responsibility for follow-up and review the progress made in implementing the goals and targets.
- SDGs is an inter-governmentally agreed set of goals relating to international development which aims at meeting the needs of the present without compromising the ability of future generations to meet their own needs.

17 GOALS OF SDG





WHAT IS GOAL 5 – GENDER EQUALITY

SDG 5 serves as a blueprint for creating a more inclusive and equitable world where women and girls can fully participate and contribute to society's development and prosperity. Achieving gender equality is not only a moral imperative but also essential for realizing the full potential of sustainable development.

UNDERSTANDING THE CHALLENGE:

Despite progress, gender inequality persists globally, with women and girls facing various forms of discrimination, violence, and limited access to opportunities and resources. Addressing deep-rooted gender norms, cultural practices, and institutional barriers requires concerted efforts at the policy, institutional, community, and individual levels.



WHAT IS THE GOAL HERE?

Achieve gender equality and empower all women and girls.

WHY DO WE NEED GENDER EQUALITY AS AN SDG?

SDG 5 is crucial for achieving sustainable development as gender equality is not only a fundamental human right but also a necessary foundation for a peaceful, prosperous, and sustainable world. Empowering women and girls leads to increased economic growth, improved health outcomes, enhanced educational attainment, and greater social inclusion.

REASONS WHY SDG 5 IS NECESSARY

Here are several reasons why we need Good Health and Well-Being as a Sustainable Development Goal (SDG 3):

- Human Rights and Dignity
- Education and Development
- Reducing Inequality
- Economic Productivity
- Social Stability
- Preventing and controlling epidemics

WHAT ARE THE GOAL TARGETS OF SDG 5 BY 2030?

End Discrimination Against Women and Girls:

Target 5.1: End all forms of discrimination against all women and girls everywhere.

Eliminate Violence Against Women and Girls:

Target 5.2: Eliminate all forms of violence against all women and girls in the public and private spheres, including trafficking and sexual and other types of exploitation.

Eliminate Harmful Practices:

Target 5.3: Eliminate all harmful practices, such as child, early, and forced marriage and female genital mutilation.

5
GENDER EQUALITY

ACHIEVE GENDER EQUALITY AND EMPOWER ALL WOMEN AND GIRLS

BEFORE COVID-19

DESPITE IMPROVEMENTS, FULL GENDER EQUALITY REMAINS UNREACHED

FEWER GIRLS ARE FORCED INTO EARLY MARRIAGE
...
MORE WOMEN ARE IN LEADERSHIP ROLES

WOMEN

MUST BE REPRESENTED FAIRLY

IN PANDEMIC-RELATED LEADERSHIP ROLES

WOMEN REPRESENT

25%
IN NATIONAL PARLIAMENTS
(2020)

36%
IN LOCAL GOVERNMENT
(2020)

COVID-19 IMPLICATIONS

LOCKDOWNS ARE INCREASING THE RISK OF VIOLENCE AGAINST WOMEN AND GIRLS

PHYSICAL

SEXUAL

PSYCHOLOGICAL

CASES OF DOMESTIC VIOLENCE HAVE INCREASED BY 30% IN SOME COUNTRIES

WOMEN ARE ON THE FRONT LINES OF FIGHTING THE CORONAVIRUS

WOMEN ACCOUNT FOR 70% OF HEALTH AND SOCIAL WORKERS

WOMEN BEAR ADDITIONAL HOUSEHOLD BURDENS DURING THE PANDEMIC

↓ ↓ ↓

WOMEN ALREADY SPEND ABOUT THREE TIMES AS MANY HOURS IN UNPAID DOMESTIC AND CARE WORK AS MEN

SDG 5: GENDER EQUALITY

The goal of SDG 5 is to achieve gender equality and empower all women and girls

WHAT?

1 End discrimination against all women and girls

2 Eliminate violence against all women and girls

3 Eliminate all harmful practices such as child marriage

4 Recognize and value unpaid care and domestic work

5 Ensure women's participation and leadership in decision-making

6 Ensure universal access to sexual and reproductive health and rights

HOW TO ACHIEVE SDGs

- A localized approach to address the unique challenges and opportunities present at the local level. By building a Local SDG Agenda tailored to gender equality, we can effectively target and implement initiatives that promote women's rights and empowerment.
- Creating an environment where multiple stakeholders—including civil society, private sector organizations, professional associations, and other agencies—actively participate in gender-focused initiatives is crucial. These collaborative efforts can drive meaningful change and ensure that diverse perspectives and resources contribute to gender equality.
- Conducting a situation assessment to identify development gaps and needs related to gender inequality is essential. By setting priorities at the local government and district levels, we can formulate targeted SDG-wise planning that addresses specific gender issues. Aligning existing budgets, schemes, and programs with relevant SDG 5 targets will further enhance our efforts to achieve gender equality in our state.



ABOUT

STEMROBO TECHNOLOGIES



STEMROBO provides 'End-To-End Solution to K-12 Schools' for 'Nurturing Innovation & 21st Century Skills' among young students of age 6-18 years across the globe. We offer young students an opportunity to explore, experience and bring innovation through a world class STEAM, Artificial Intelligence, Robotics & Coding curriculum integrated with our unique & affordable 'Technology Products and Solutions' delivered in an online or hybrid model; thereby enabling and empowering students to be able to become Creative - Thinkers and Problem - Solvers. Together, let's unlock the potential within each student, ignite a passion for Innovation, Creativity & Learning, and pave the way for a brighter tomorrow.

IMPORTANCE OF STEM EDUCATION FOR KIDS

The term "STEM" typically refers to a group of academic disciplines that are focused on science, technology, engineering, and mathematics. It prepares them for the future by building problem-solving skills, encouraging curiosity and exploration, fostering collaboration and communication skills, and addressing global challenges that require STEM principles for their solution.



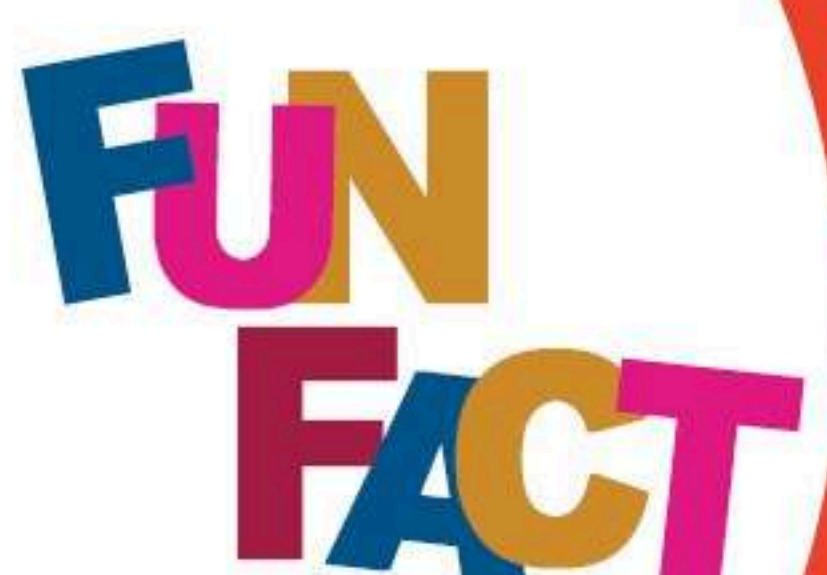
About

School ATL Lab



ATL is a workspace where young minds can give shape to their ideas through hands on do-it-yourself mode; and learn innovation skills. Young children will get a chance to work with tools and equipment to understand the concepts of STEM (Science, Technology, Engineering and Math). ATL would contain educational and learning ‘do it yourself’ kits and equipment on – science, electronics, robotics, open-source microcontroller boards, sensors and 3D printers and computers. Other desirable facilities include meeting rooms and video conferencing facility.

In order to foster inventiveness among students, ATL can conduct different activities ranging from regional and national level competitions, exhibitions, workshops on problem solving, designing and fabrication of products, lecture series etc. at periodic intervals.



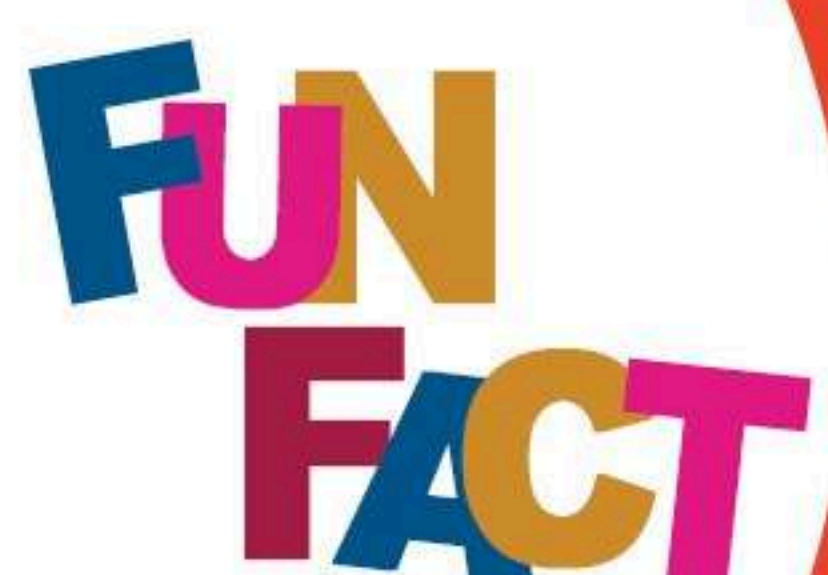
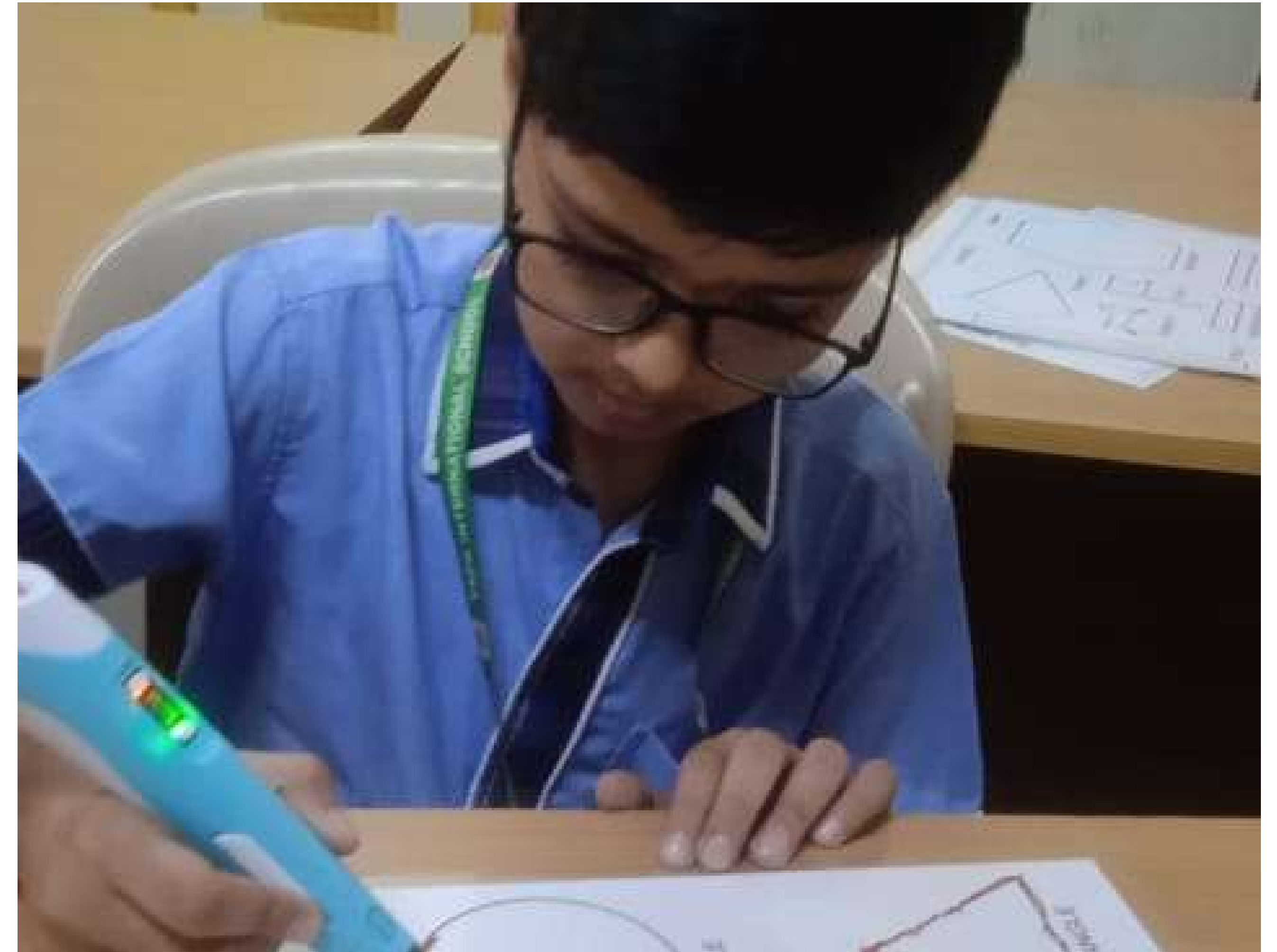
SDG 5 aims to achieve gender equality and empower all women and girls.

JULY 2024

GLIMPSE OF ACTIVITIES

5th Class

- Introduction to Learning Management System and explained how to login
- Introduction to Tinker N design kit and explanation of the parts of a 3D pen
- What is a Dimension and explain the difference between 2D and 3D with examples
- Introduction to paper circuit kit
 - LED glowing using simple circuit
 - Series circuit and parallel circuit



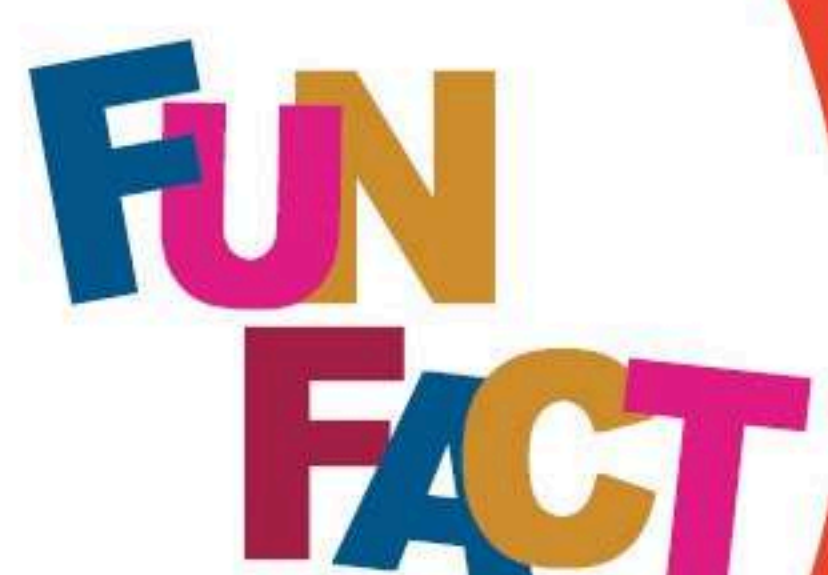
Closing the gender gap in the workforce could add up to \$28 trillion to global GDP by 2025.

———— JULY 2024 ————

GLIMPSE OF ACTIVITIES

6th Class

- Introduction to Learning Management System and explained how to login.
- Introduction to Basic Electronics
- Gone through documents and videos of STEM and Robotics
- Discussed quiz questions on Robotics.
- Square pyramid activity
- Activity on tinker orbit
- Basic of mechanics



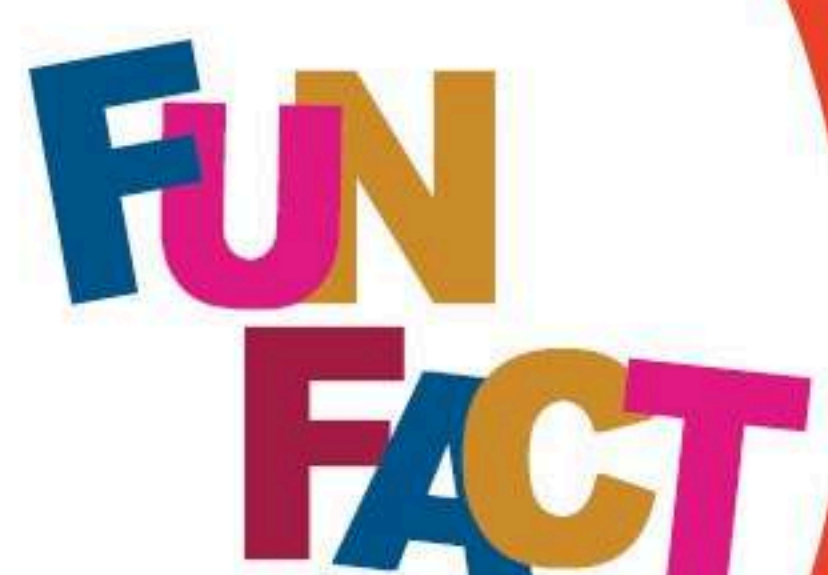
Educated women are more likely to educate their children, improving future generations' prospects.

JULY 2024

GLIMPSE OF ACTIVITIES

7th Class

- 7th and 8th Class Types of Sensors like: LDR, IR Ultra-sonic sensors etc.
- Activities performed on various types of sensors using Tinker orbit
- Introduction to Arduino , types of Arduino UNO.
- Activities performed using mechatronic kit like: Gaint Wheel, F1- car, flying wheel etc.



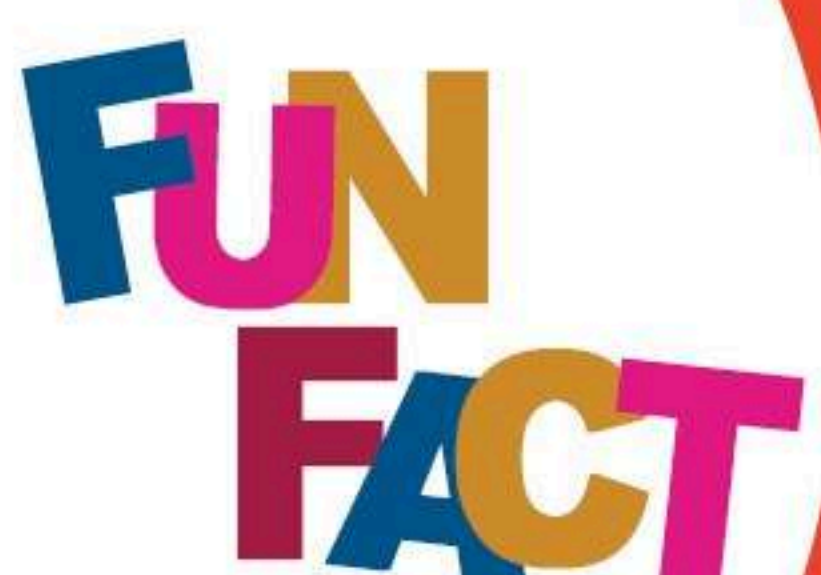
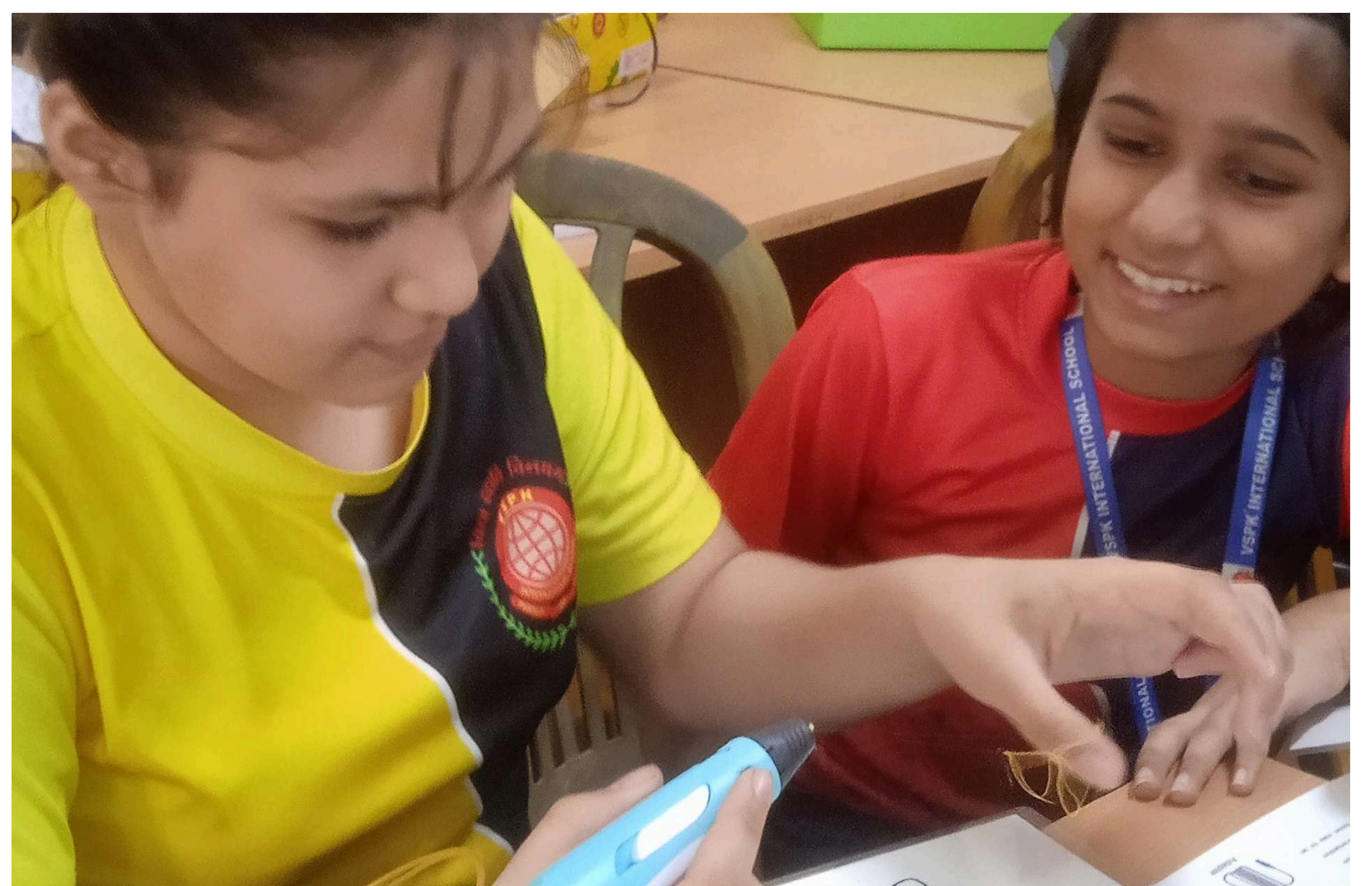
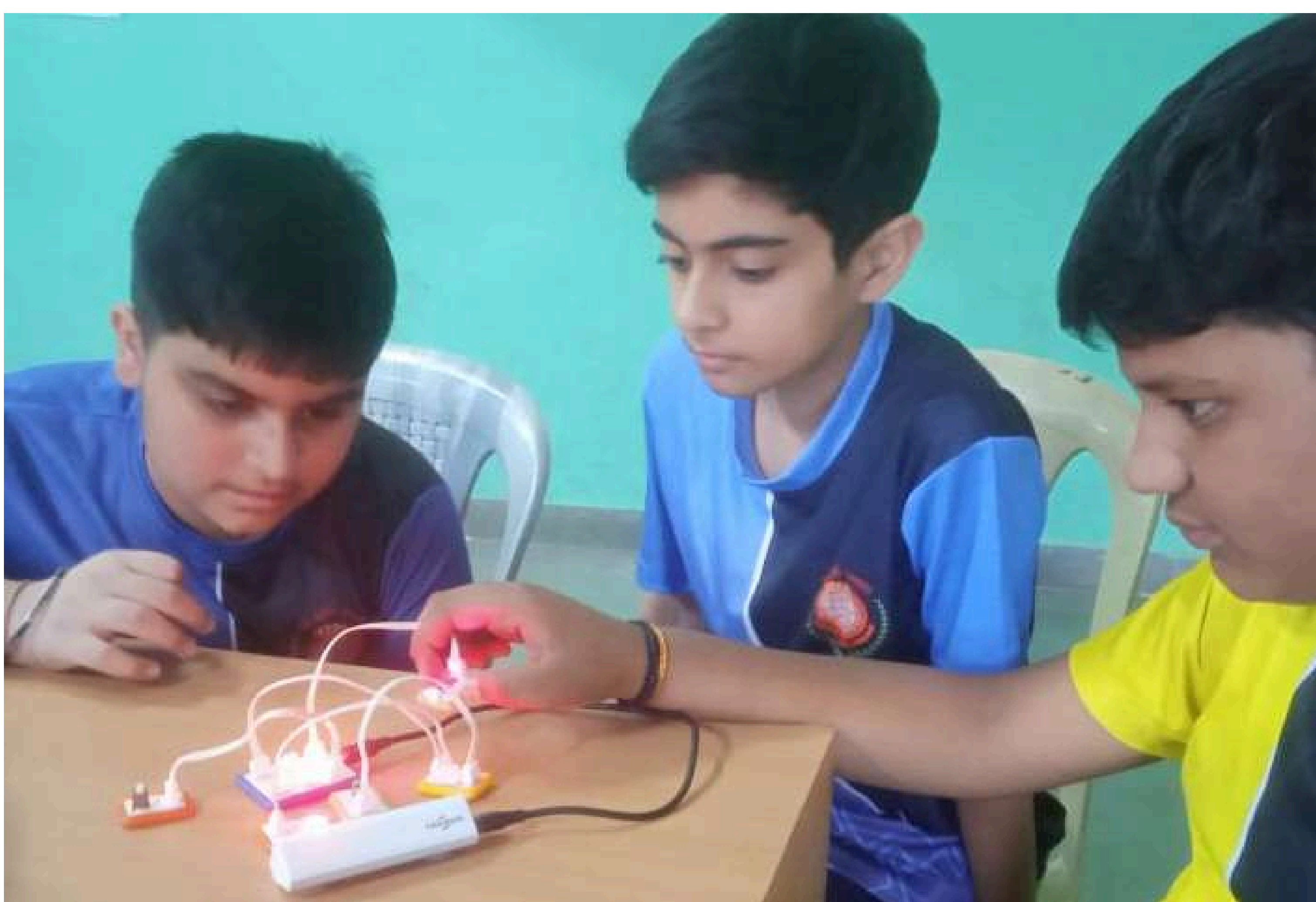
Only 24.9% of national parliamentarians are women, highlighting the need for increased representation.

JULY 2024

GLIMPSE OF ACTIVITIES

8th Class

- Introduction to Learning Management System and explained how to login
- Introduction to Tinker N design kit and explanation of the parts of a 3D pen
- About mechanics Activity performed on Mechatronic kit
- Activity performed on Tinker orbit such as:
 - LED glowing using push button and switch
 - Light and fan speed control using potentiometer.

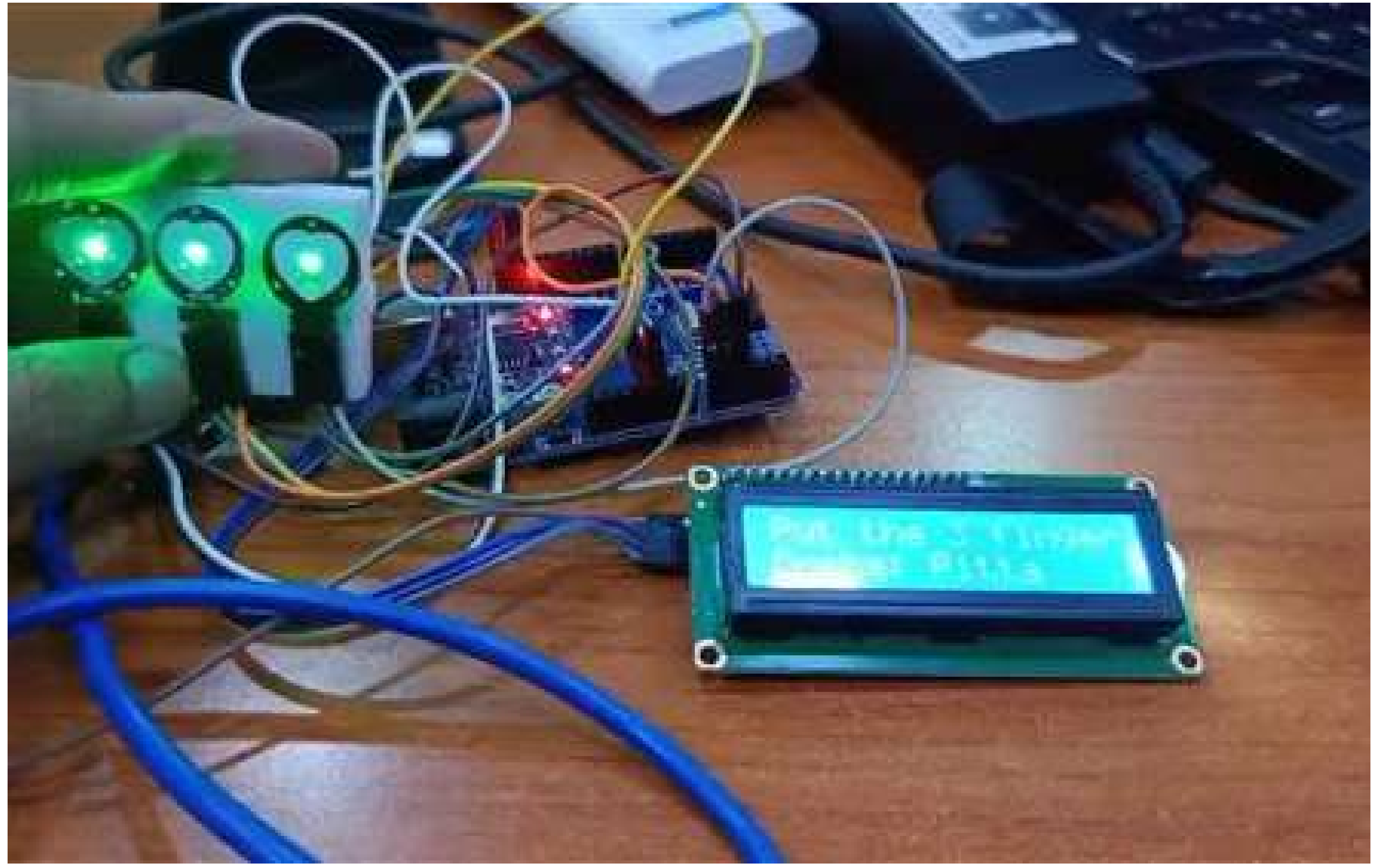


Women with decision-making power can advocate for better healthcare services and policies.

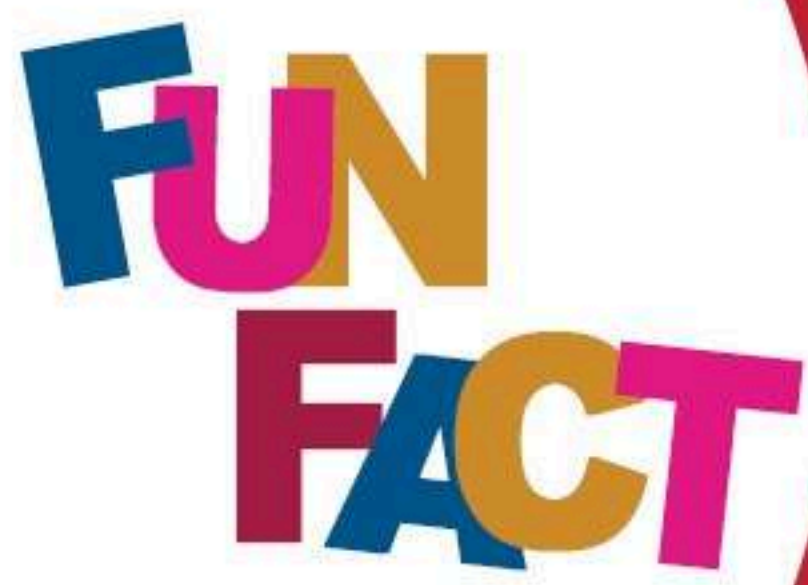
GLIMPSE OF PROJECTS

List of projects

- Docter AI
- Agro bot
- Forest fire protection using AI.
- Fuel scam Detector



“ Astronauts aboard the International Space Station receive education and training while orbiting Earth, showcasing education's boundless possibilities.



GLIMPSE OF PROJECTS

Project name - BUSH FIRE PRECAUTION

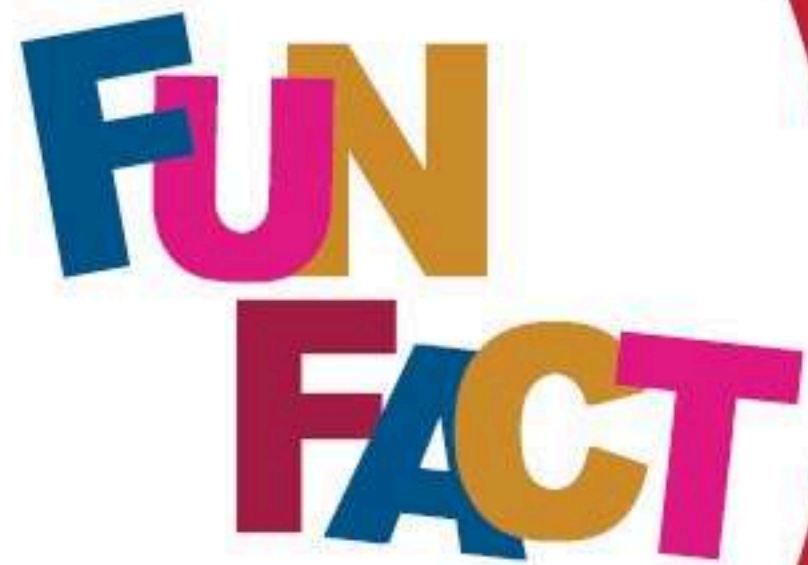


"In response to the urgent need for effective forest fire prevention measures, we have developed a cutting-edge project leveraging soil moisture sensors and DHT11 sensors. Our system is designed to detect and mitigate the risk of forest fires by monitoring crucial environmental parameters in real-time.

The soil moisture sensor accurately measures the moisture content of the soil, providing vital information about the overall dryness of the forest floor. Meanwhile, the DHT11 sensor monitors temperature and humidity levels in the air, offering insights into atmospheric conditions that can influence fire behavior.

By continuously collecting data from these sensors, our project employs intelligent algorithms to analyze the information and identify areas at high risk of ignition. When a potential fire hazard is detected, the system triggers immediate alerts to relevant authorities, enabling swift intervention to prevent the spread of wildfires.

This innovative solution not only enhances early detection capabilities but also empowers forest management authorities with actionable insights for proactive fire prevention strategies. By combining advanced sensor technology with data-driven analytics, our project represents a crucial step towards safeguarding our precious forests and mitigating the devastating impact of wildfires."



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The world's first university degree was awarded in 1200 AD in Bologna, Italy, marking a milestone in higher education history.

ACHIEVEMENTS AT A GLANCE

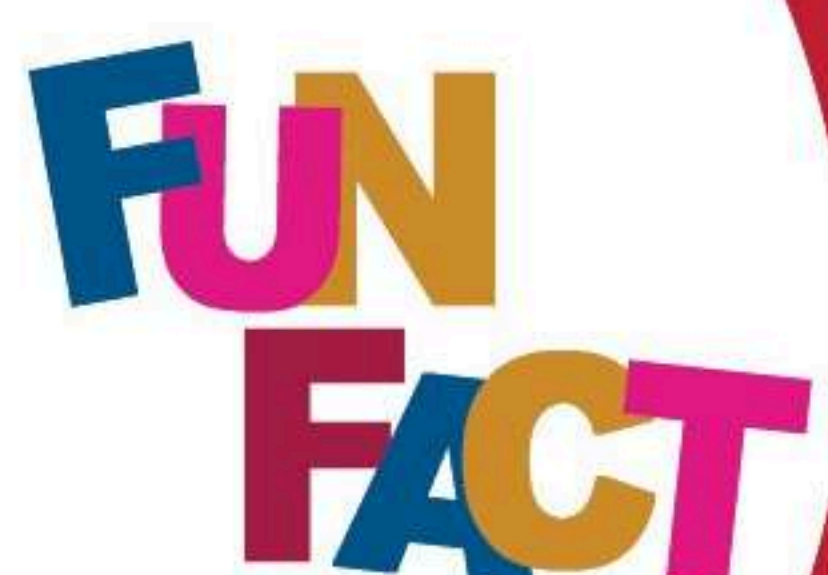
Project name - FUEL SCAM DETECTOR



Our second project tackles the critical issue of fuel scams by integrating a flow meter and I2C LCD display. This innovative solution aims to combat fraudulent fuel dispensing practices and ensure fair transactions for consumers and businesses alike.

The flow meter accurately measures the flow rate of fuel during dispensing, providing real-time data on the volume of fuel transferred. Paired with an I2C LCD display, this information is instantly visible to both consumers and station operators, enabling transparency and accountability in fuel transactions.

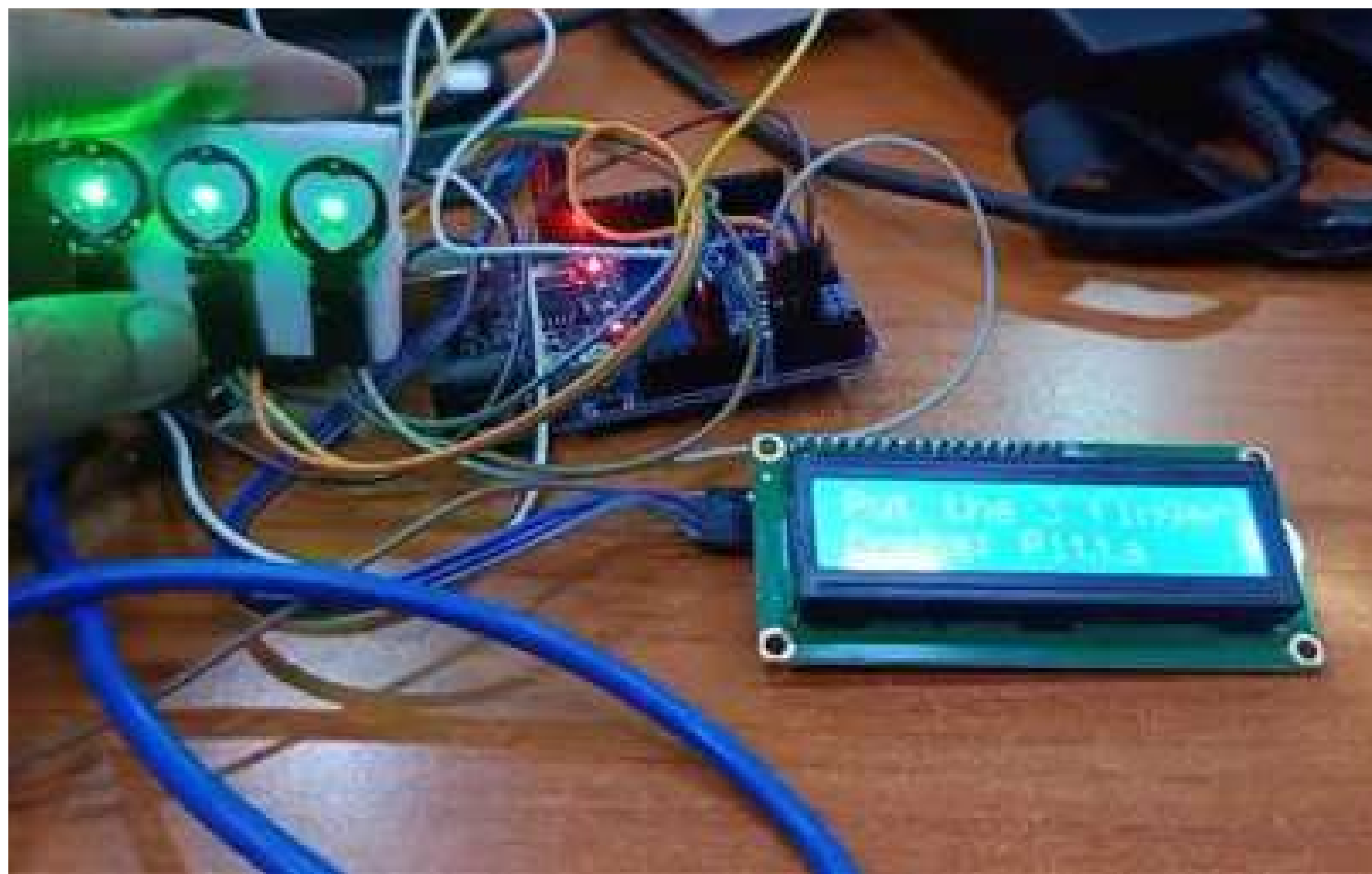
Through this system, discrepancies in fuel quantity can be identified and addressed promptly, mitigating losses due to scams and ensuring fair business practices. By leveraging technology to enhance accountability, our project contributes to the integrity of the fuel distribution system and promotes trust between consumers and fuel providers."



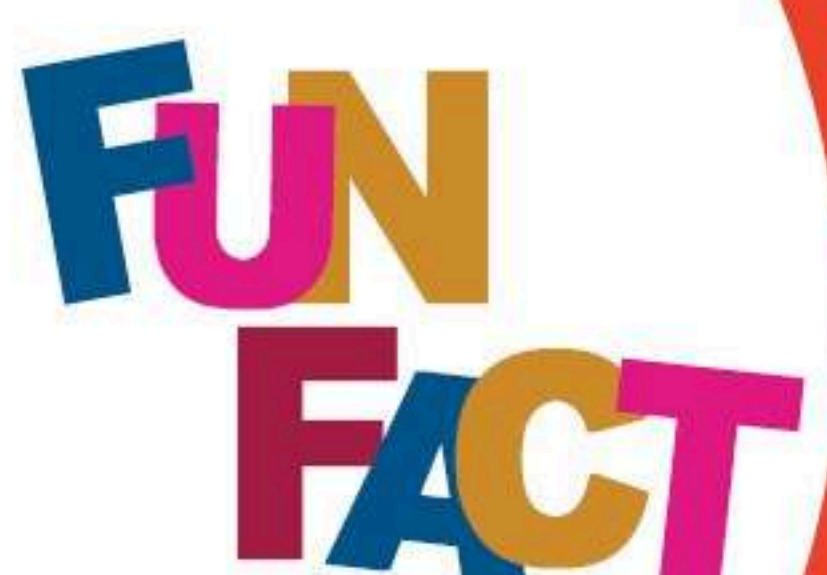
Finland's schools have no standardized tests until the age of 16, prioritizing holistic learning over rote memorization.

ACHIEVEMENTS AT A GLANCE

Project name - DOCTER AI



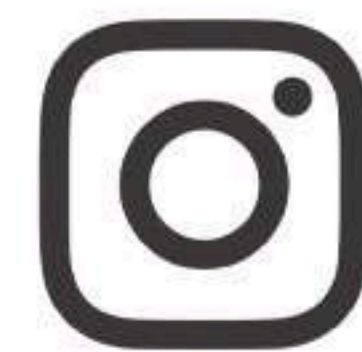
The Health Monitoring System employs three heartbeat sensors to monitor heart rate variability, detecting potential health issues caused by irregularities. By calculating the average heart rate from the sensor data, it provides early detection of diseases and abnormalities.



Achieving gender equality supports other SDGs, including those on health, education, and poverty reduction.



THANK YOU



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