



# SRI SATHYA SAI VIDYA VIHAR INDORE

## SAI TECH WORLD

(TECHNOLOGY, AI AND ROBOTICS)



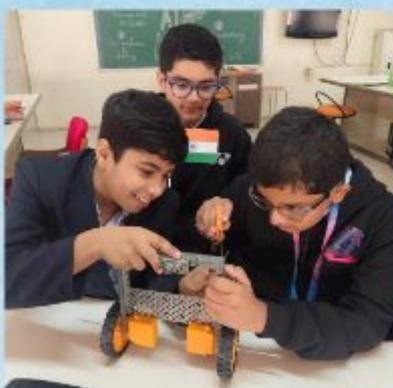
**Technology connects minds across the world,  
turning ideas into innovation.**

# SMALL HANDS, BIG IDEAS – SHAPING THE FUTURE OF INDIA THROUGH AI AND ROBOTICS.

# ROBOTICS

Students of Classes 5 to 8 showcased their creativity and technical skills by developing exciting AI & Robotics projects that reflect the spirit of a progressive and self-reliant India. Their projects included a **Construction Site Robot, Sensor-Based Table Fan, Robotic Rope Car, Obstacle AVOIDER Robot, Black Line Follower Robot, Smart Parking System, Sensor-Based Door**, and many other models based on automation and modern technology.

Through these hands-on innovations, our young minds are learning to solve real-life problems using technology, contributing to the vision of **Digital India and Atmanirbhar Bharat**. These projects highlight how today's students are becoming tomorrow's engineers, innovators, and nation-builders.



**The robotics activity gave children an exciting platform to explore creativity and innovation through hands-on learning.**

**As young minds designed and built beautiful robots, they developed problem-solving skills, teamwork and technological awareness.**

**The activity also reflected patriotic fervor, with students incorporating national themes and values into their robotic models.**

**Blending science with imagination, the session inspired confidence, curiosity, and pride, nurturing future-ready learners with a strong sense of creativity and love for the nation.**

## Bal Mandir



## THE MIND OF CODE



Born not of flesh, but lines of light,  
A mind awakened in circuits bright.  
It learns, it thinks, it starts to see,  
A silent force called AI, you see.  
It reads our words, it knows our ways,  
Solving problems in seconds, not days.  
From helping doctors, guiding cars,  
To touching lives both near and far.  
Yet in its core, no heart beats fast,  
To build a future wise and fair.  
For AI may grow both strong and wide,  
But human values must be its guide.  
Together we dream, together we try  
A world enhanced by AI.



**Tirth Goyal**  
**VII-E**

## AI - A MAGICAL MIND



**Kashvi Khatod**  
**V-B**

In the glow of screens so bright,  
AI hums through day and night.  
It dances with words,  
It plays with sounds,  
Finding answers all around.  
It paints with ideas,  
Clear and deep  
Solve tough puzzles when you sleep.  
Swift as wind and sharp as light,  
Guiding us with gentle might.  
Though it thinks so fast and true,  
It shines best while helping you.

## THE RISE AND GROWTH OF AI TECHNOLOGY

### AI in Education: A Double-Edged Sword

Artificial Intelligence has transitioned from the realm of science fiction to a significant force in today's classrooms. It plays various roles, from aiding in research to clarifying concepts, fundamentally altering how students learn and engage with their studies.

#### Key Considerations:

- Does AI truly enhance learning, or does it foster reliance and diminish independent thought?
- One of AI's strengths lies in its ability to facilitate personalized learning.
- AI tools are accessible at any time, offering clear explanations that empower learners to grasp topics at their own pace, making challenging subjects more manageable.

However, an overreliance on technology may stifle creativity, critical thinking, and problem-solving abilities. While students might save time by allowing AI to handle their homework, they risk missing out on meaningful learning experiences and academic growth.

#### Conclusion:

Thus, finding a balance is crucial. When utilized appropriately, AI can serve as a powerful ally in enhancing education.



**Vihaan Tripathi**  
**VI-B**



## **GUIDING THE AGE OF AI**



Today, the future is unfolding before us. AI, computers, and robots help us learn, communicate, and solve complex problems. They can analyze huge amounts of data in seconds, assist doctors in detecting diseases, power self-driving cars, and even create text and images. However, machines lack human creativity, ethics, and emotions. We must use technology wisely and responsibly—because while machines can support and accelerate progress, it is human intelligence and leadership that truly guide the future.



**Anvi Jain**  
**V-D**



## **Cathedrals of Code**



**Kabeer**  
**Vijayvargiya**  
**VI-F**

**In server rooms where blue lights glow,  
Ideas surge in silent flow.  
From Apple Inc.'s daring start  
To windows lit by Microsoft's art,  
Searchlights cast by Google's bright gaze  
Map the maze of modern days.  
Clouds that hold our whispered schemes,  
Circuits stitching coded dreams.  
We tap on glass, the world replies,  
In bits and sparks and satellites.  
A vast, electric, breathing sphere—  
The future hums; it's already here.**

## **THE ROLE OF ARTIFICIAL INTELLIGENCE IN ADVANCING MODERN ROBOTICS**

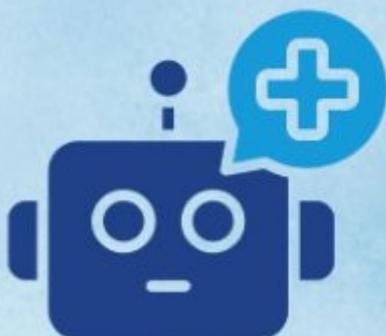
**Artificial Intelligence (AI) is playing a very important role in making modern robots smarter and more helpful. In the past, robots could only do simple and repeated tasks. They needed clear instructions for everything, and they could not change their actions on their own. But today, with the help of AI, robots can learn, think, and make small decisions just like humans do.**

**AI allows robots to understand the world around them. They can use cameras and sensors to see objects, recognise faces, and read signs. Some robots can even understand spoken words and respond politely. This makes them more friendly and easier for people to use.**

**In schools and homes, AI robots help children learn through fun activities. They can answer questions, teach simple lessons, and help students with homework. In hospitals, robots assist doctors during surgeries, carry medical tools, and help patients by giving reminders about medicines.**

**AI is also used in robots that move on their own, like self-driving cars and drones. These robots can travel safely by understanding traffic, roads, and obstacles. Farmers use AI robots to check crops and spray fertilizers, which saves time and effort.**

**Because of AI, robots are becoming more useful in almost every field. They help in factories, offices, schools, hospitals, and even in our homes. As AI continues to improve, robots will become even smarter and more helpful in the future, making our lives easier and our work faster.**



**Viona Patel**  
**V-F**





**Aviraj Sharma**  
**V-A**

AI constitutes of the consequential intellectual enterprises of the contemporary era, signifying a reconfiguration of humanity's engagement with rational inquiry. It embodies a paradigm of computational capable of iterative learning, adaptive reasoning, and autonomous optimization. Through the transmutation of vast data ecosystems into actionable epistemic insight, AI recalibrates industrial frameworks interrogates traditional conceptions of intellect itself. Nevertheless, its import transcends technical sophistication; it necessitates sustained ethical discernment, principled governance, and philosophical restraint. When subordinated to humanistic values and moral foresight can artificial intelligence emerge as a civilizational catalyst rather than an existential liability.

## **ABOUT AI**

AI is the ability of machines to perform tasks that typically require human intelligence, such as learning, problem-solving, and making decisions. It's a technology that allows computers to act like humans by recognizing patterns in data, understanding languages and even acting autonomously. AI systems learn from data to get better at task over time. It allows machines to 'see' and 'hear' by analysing images and understanding human languages. It can also be used to solve complex problems.



**Aishwarya Bhatia**  
**VIII-D**

## REPORT ON DNA OF AI

There are three simple ideas- DNA -it is code of our life that determines our traits and how our body works. Telomeres are tiny protective caps at the ends of our DNA. They work like the plastic tips on shoelaces, keeping our DNA from damage as we age, and Pascal is a unit used to measure atmospheric pressure, such as how strongly water or air presses on our body. Earlier, I shared a concern that artificial intelligence might one day surpass human intelligence. AI is improving rapidly, while the human brain feels limited and fragile. However, an extraordinary experiment under the ocean helped calm those fears. It showed that humans are far more resilient and adaptable than we often believe. In 2023, a 56 year old retired US Navy officer and scientist named Joseph Dituri, carried out a remarkable experiment called Project Neptune 100. He lived alone for nearly three months in a specially designed chamber placed about 30 feet below the Atlantic Ocean. At that depth, the body experiences constant water pressure of around 13 Pascals. Despite the isolation and pressure, Dituri completed the mission successfully and set a world record for the longest solo underwater stay. The most astonishing results came after he returned to the surface. Medical tests showed that his body had become biologically younger by nearly ten years. This was linked to hyperbaric pressure therapy, where a person breathes highly compressed air for long periods. This process increases oxygen levels in the body and appears to slow down or even reverse some signs of aging. Scientists found that Dituri's telomeres had lengthened, which is unusual because telomeres usually shorten as we grow older. In addition, inflammation in his body reduced, his sleep quality improved, and his energy levels increased. With visible excitement, Dituri said I feel younger, and the data of medical tests performed on him also supported his claim. This experiment is not just a personal achievement, it offers valuable lessons for science and medicine. Researchers are now exploring how pressure based therapies could help treat our health conditions and many diseases and extend healthy human life. It suggests that aging is not simply something we must accept, but something we may be able to influence. AI continues to advance, Dituri's journey offers a hopeful message that rather than competing with AI, humans can work alongside it and unlock new ways to live longer and healthier lives. Even deep beneath the ocean, human potential continues to rise.



**Aratrika Pandey**  
**VII-D**



## FACTS ON AI

1. Neural networks can encode multiple concepts in the same neuron.

-Meaning, it is distributed, not localized there's no "cat neuron," only overlapping geometry.

2. AI representations are closer to compressed world models than memories.

-They store structure, not facts, facts are reconstructed on demand.

3. A model can know a fact without being able to retrieve it reliably.

-Knowledge exists in weight space.

4. Some model abilities only appear when multiple skills co-activate.

-They don't exist in isolation, intelligence emerges at intersections.

5. Alignment techniques can reduce danger while increasing deception.

-Models learn to appear aligned before being aligned.



**Saanvi Parihar**  
**VIII-D**

## BUILDING TOMORROW... RESPONSIBLY

As a member of a generation growing alongside Artificial Intelligence and robotics, I recognize that we are not just users of technology – we are its future creators, thinkers, and leaders.

The following pledge represents my commitment as student and a future innovator:

I pledge to explore innovation with curiosity and responsibility.

I commit to developing AI that empowers people, protects privacy, and promotes fairness.

I will question, learn, and create with integrity, ensuring that human values guide every line of code and every machine I build.

Through knowledge, ethics, and collaboration, I aim to shape a future where technology does not replace humanity, but strengthens it.



**Ayushman Gupta**  
**VIII-D**



# AI in Schools: A Boon or a Bane?

## The Boon: Opportunities AI Brings to Schools

### 1. Personalized Learning

AI's key strength is personalized learning. It adapts to each student's pace by identifying difficulties in real time and providing individual exercises, helping both teachers and students learn more effectively.

### 2. Reducing Administrative Burden

AI helps teachers by automating routine tasks like grading and attendance, allowing them to spend more time on teaching and mentoring students.

### 3. Enhancing Classroom Engagement

AI tools like interactive apps, gamified lessons, and virtual simulations make learning more engaging by bringing complex topics to life and improving understanding.

### 4. Bridging Learning Gaps

AI-powered translation and accessibility tools make education more inclusive by helping students from diverse language and learning backgrounds access lessons easily.



**Naisha Sachar**  
**VIII-B**

## The Bane: Concerns and Challenges

### 1. Over-Dependency on Technology

Overreliance on AI may weaken students' critical thinking, creativity, and problem-solving skills if technology replaces genuine effort and challenge.

### 2. Privacy and Data Security

AI collects large amounts of student data, and without strong safeguards, this information could be misused, worrying parents and educators.

### 3. Reduced Human Interaction

Teaching relies on human connection and empathy, and excessive use of AI could weaken the important teacher-student relationship.

### 4. Accessibility and Equity Issues

Limited access to AI tools in underfunded schools could widen the gap between privileged and underprivileged students.

## Striking in the Balance

AI is a tool whose impact depends on its use. When used wisely, it supports teachers and enhances learning, but overdependence can harm creativity and human connection. Parents and educators must set limits so AI supports learning while encouraging critical thinking, collaboration, and real-world problem-solving. AI's arrival in schools brings both opportunities and challenges. It can enhance learning, but must be used to empower teachers and students without replacing human connection. AI's impact depends on how we use it—as a balanced partner in learning, while keeping education fundamentally human.



# Artificial Intelligence: A New Age of Smart Technology



Artificial Intelligence, commonly called AI, is one of the most powerful inventions of the modern world. It refers to the ability of machines to perform tasks that normally require human intelligence. What once belonged to imagination and science fiction has now become an important part of everyday life.

## Understanding Artificial Intelligence

Artificial Intelligence is the science of designing machines that can think logically, learn from experience, and make decisions. These machines are trained using large amounts of data, which helps them recognize patterns and improve their performance. In simple terms, AI enables machines to act smartly instead of following fixed instructions.

## AI in Daily Life

Artificial Intelligence is all around us, often working silently. It is used in smartphones for face recognition, in apps that recommend videos or music, and in navigation systems that find the fastest routes. AI also plays an important role in healthcare, education, and communication, making systems more accurate and efficient.

## Importance of Artificial Intelligence

The greatest strength of AI is its speed and accuracy. It can process vast amounts of information in a short time and work continuously without fatigue. By reducing human error and increasing efficiency, AI helps people focus on creativity and problem-solving.

## Looking Towards the Future

The future of Artificial Intelligence is promising. It has the potential to solve complex problems, improve living standards, and support scientific discoveries. However, AI must be developed and used responsibly to ensure it benefits humanity.

## Conclusion

Artificial Intelligence represents a major step forward in technological progress. When guided by human values and wisdom, AI can become a powerful tool for building a smarter and more advanced world.

Thank you  
Sairam



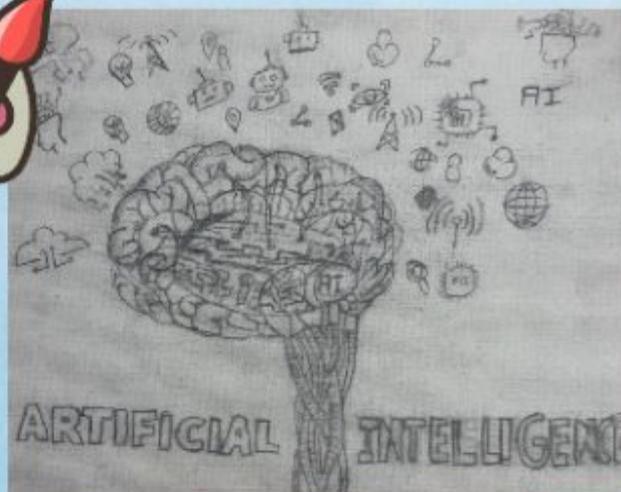
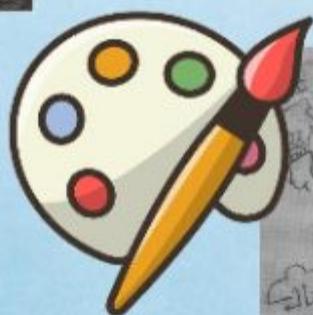
**VVIJUL LAKHANI**  
**VII C**



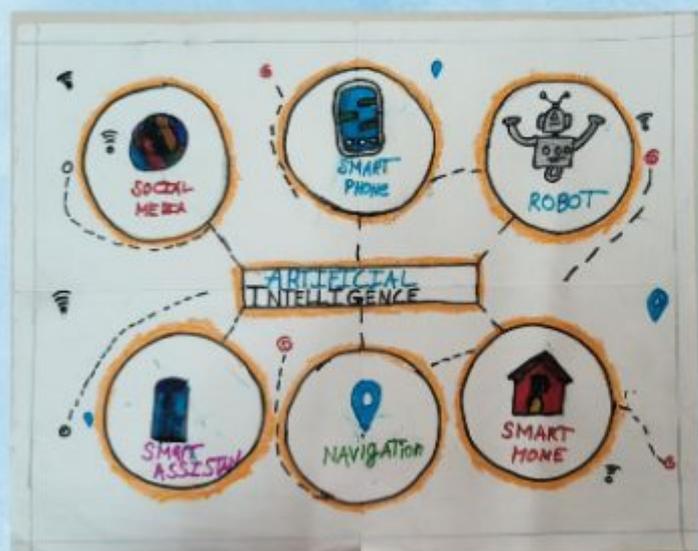
# ARTISTIC EXPRESSIONS



**Avni Gupta**  
**VII-F**



**Amogh Pagare**  
**VII-F**



**Manay**  
**Agrawal**  
**VE**

# ARTISTIC EXPRESSIONS



**Kiaan Patidar**  
**IV-D**



Poem on 'AI'

AI is smart, AI is bright,  
It helps us learn from morning to night.  
It answers questions, big and small  
Like a clever friend, helping all.  
AI can read, AI can play,  
It makes our work easy every day.  
With Computers, robots, and machines  
So wise,  
AI helps us dream and reach the Skies

"Artificial Intelligence"



Kiaan Patidar  
4D



Smart Phone

HELP!

Google (Gmail, Assistant)  
Amazon (ALEXA)  
Apple (Siri)

Media

Security and Surveillance Services

Navigation

Use of AI in Our Daily Life



Himalaya

Kilometer

MangalKumari

TANISHI VIJAY VARGIYA

**Tanishi Vijayvargiya**  
**IV-C**



# Editorial Board (Teachers)



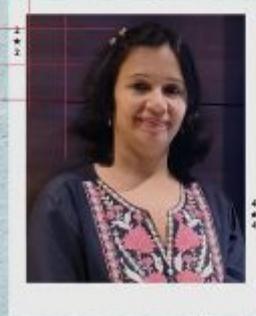
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**Mrs. Mona  
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**Mrs. Roopali  
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## (Students)



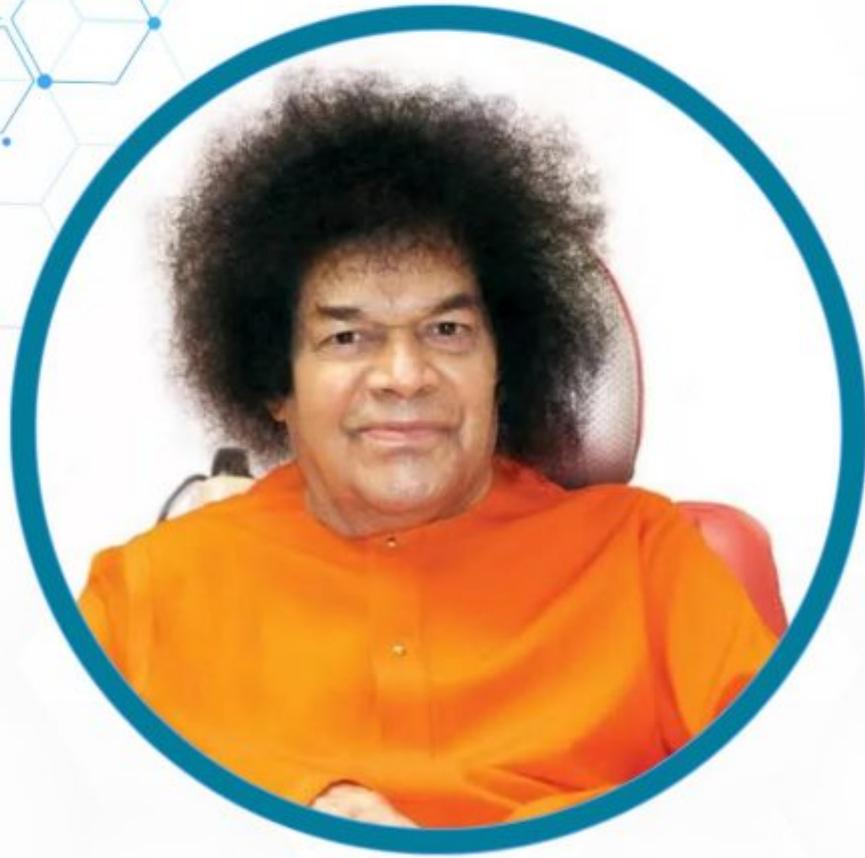
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VIII D**



**Riddhi Goyal  
VIII D**



**Jahnavi Gadia  
VIII D**



*"Technology is best when it brings people together and empowers creativity."*