



PM SHRI SCHOOLS

INNOVATE & EDUCATE



Best Practices in PM SHRI KVs

BEST PRACTICES IN PM SHRI KVS



Best Practices in PM SHRI KVs
Special Edition on Transforming Education Through Innovation:
PM SHRI KV Schools Leading the Way

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MESSAGE FROM COMMISSIONER, KVS



Sh. Vikas Gupta IAS,
Commissioner KVS

The PM SHRI initiative exemplifies our commitment to transforming education through innovation and excellence. This magazine celebrates exceptional practices across 25 regions, showcasing how our Kendriya Vidyalayas are nurturing future-ready citizens.

I commend our dedicated educators and students for driving meaningful change and inspiring the nation's educational landscape.

VISION

To foster a culture of excellence, innovation, and inclusivity across PM SHRI Kendriya Vidyalayas by highlighting and sharing transformative practices that redefine 21st-century education.

This magazine aspires to inspire educators, empower learners, and inform stakeholders by showcasing success stories that align with the goals of holistic development, digital learning, sustainability, and national educational priorities.

Through this collective reflection of best practices, we envision nurturing future-ready citizens rooted in values, equipped with skills, and driven by purpose.

Editor's Note

It is with immense pride that we present this compendium of best practices from PM SHRI Kendriya Vidyalayas across India. This magazine reflects the spirit of innovation, inclusion, and holistic education that defines the PM SHRI vision.

Each featured initiative is a testament to how schools can transform learning into an engaging, empowering, and joyful experience. From grassroots creativity to cutting-edge technology, these stories showcase the evolving face of Indian education.

We hope this edition inspires educators, parents, and policymakers alike to embrace and replicate these models of excellence. Let this be a celebration of what's possible when purpose meets passion in our classrooms.



About PM SHRI Initiative

PM SHRI (PM Schools for Rising India) is a flagship initiative of the Government of India aimed at transforming selected schools into exemplar & model institutions of excellence.

These schools embody the core principles of the National Education Policy 2020

- Emphasizing critical thinking
- Skill development
- Experiential learning
- Inclusive education

PM SHRI Kendriya Vidyalayas are equipped with

- State-of-the-art infrastructure
- Innovative pedagogy
- A strong emphasis on holistic development

The initiative envisions creating future-ready learners who are rooted in values and empowered with 21st-century skills.

This magazine showcases how PM SHRI schools are turning vision into vibrant, real-world educational practices.



REGION 1: AGRA

Peer Power: Students Teaching Students

School: PM SHRI KV Lalitpur

At PM SHRI KV Lalitpur, senior students are transforming into mentors in a vibrant Peer Learning Collaboration program. More than 400 learners take part, where academically strong students help their juniors understand tough topics—especially in mathematics and reading. These student mentors attend workshops that train them in listening, patience, and effective explanation techniques.



Through this practice, there was a 45% improvement in mathematics performance and a boost in reading comprehension. More than just academics, the initiative builds leadership, reduces learning anxiety, and creates a warm, supportive school community where students learn with and from each other.



REGION 1: AGRA

Learning for All: Making Reading Inclusive

School: PM SHRI KV No. 1 AFS Agra

At this school, foundational literacy isn't limited to textbooks—it's being made accessible for every child, especially those who are visually impaired. With tools like Screen Reader software (NVDA) and Braille script, students with low vision can read, write, and engage with the same academic content as their peers. Assistive devices such as U-Read equipment and Tactile Map Books make it easier to learn languages, understand spatial concepts, and build confidence.



These innovations empower children with special needs (CWSN) to fully participate in school life, enhancing not only their literacy but their engagement in the classroom.

REGION 2: AHMEDABAD

Kalpna Ka Bazaar: Where Young Minds Turn Entrepreneurs

School: PM SHRI KV No. 1 Shahibaug

At PM SHRI KV Shahibaug, students from Classes II-VI are running their own marketplace! “Kalpna Ka Bazaar-HAAT” is a digital-plus-physical platform where children design, price, market, and sell their handmade products. From eco-friendly crafts made out of old CDs to QR-code-enabled transactions, students are learning real business skills in a playful, inclusive way.



They practice sales talk, customer care, and financial math—all while exploring sustainability. Over 200 students took part, and the event showcased 100+ learning outcomes ranging from creativity to critical thinking. It's not just a market—it's a live, joyful classroom of 21st-century entrepreneurship!



REGION 2: AHMEDABAD

Waste Not, Grow More: Smart Water Reuse on Campus

School: PM SHRI KV Sabarmati

Facing water shortages, PM SHRI KV Sabarmati turned challenge into opportunity with its Waste Water Management system. The school now reuses over 2,000 litres of water daily from RO units and sinks to nourish a thriving fruit garden—home to mango, guava, and drumstick trees.



The setup filters and channels water underground, reducing waste and electricity use. Built for just ₹30,000, it transformed 60 saplings into a mini orchard. Students care for the garden while learning about water cycles, sustainability, and ecology. It's a green classroom where science meets real life—showing how schools can lead by example in climate-conscious innovation.

REGION 3: BENGALURU

Science on Wheels: Taking Labs to Every Learner

School: KV No. 2 Belagavi Cantt.

PM SHRI KV Belagavi has brought science directly to students' doorsteps with its "Lab on Wheels"—a fully functional mobile science lab.



Equipped with real instruments like microscopes and spectrophotometers, this traveling lab visits schools without science facilities, turning classrooms into interactive labs. It has reached over 2,000 students across 15 schools, helping them explore biology, chemistry, and physics through hands-on experiments.



Students now visualize what textbooks describe, leading to deeper understanding and excitement about STEM. Teachers are also trained in lab teaching techniques. This initiative proves that great science education doesn't need fancy buildings—just creativity on wheels!



REGION 3: BENGALURU

Tech Skills for Tomorrow: PCB, Drones & AR/VR in School

School: KV AFS Yelahanka

At PM SHRI KV Yelahanka, vocational training means cutting-edge tech meets classroom learning. In partnership with NTTF and REVA University, students are trained in Printed Circuit Board (PCB) design, CNC engraving, drone operation, and even AR/VR development. They go through the entire process—from circuit design to soldering and final product testing—using industry-grade equipment.



Students also explore futuristic skills like IoT and smart automation. These real-world experiences prepare them for careers in high-demand tech fields, building confidence, problem-solving, and technical know-how. It's not just training—it's career readiness in action, shaping the innovators and makers of tomorrow.



REGION 4: BHOPAL

Meri Apni Pehchan: Guiding Dreams into Careers

School: PM SHRI KV No.1 OF Itarsi

What do I want to become? PM SHRI KV Itarsi helps Class IX students answer this life-shaping question through “Meri Apni Pehchan (MAP)”, a powerful self-discovery and career guidance program. Using aptitude tests, personality profiling, and one-on-one counseling, students explore paths ranging from medicine and engineering to AI, environmental science, and entrepreneurship.



Skill workshops sharpen communication and leadership, while industry visits and internships offer real-world exposure. With this initiative, students transform from uncertain dreamers into confident decision-makers, ready to pursue careers aligned with their strengths, interests, and ambitions. It's not just guidance—it's a roadmap to a purpose-driven future.

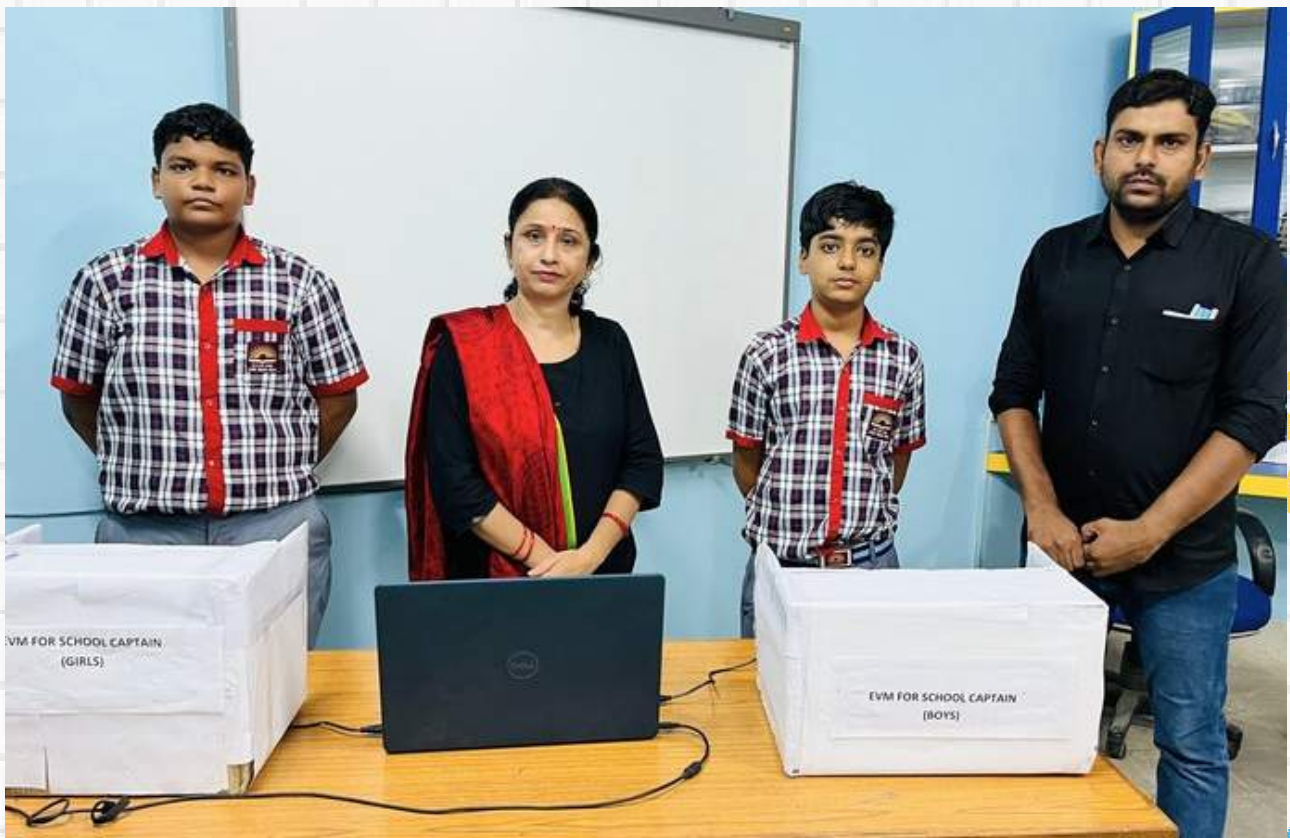


REGION 4: BHOPAL

Built Voting Machine: When Innovation Empowers Democracy

School: PM SHRI KV GAIL Jhabua

At PM SHRI KV Jhabua, two young innovators—Garvit Shukla and Ansh Bamniya—took STEM learning to a next level by designing a fully functional Electronic Voting Machine (EVM). Using an Arduino microcontroller, buzzer, buttons, and LCD screen, the duo built a working prototype that was used in real school leadership elections. The machine performed with 100% accuracy—mirroring real-world results and building trust in both technology and teamwork.



This hands-on project blended coding, electronics, and problem-solving, showing how students can tackle real-life challenges with creativity and skill. More than just a science project, it was a lesson in democracy, technology, and student creativity—perfectly aligned with NEP 2020's vision of empowered, future-ready learners.

REGION 5: BHUBANESWAR

Bagless Days: Learning Beyond Books

School: PM SHRI KV No. 1 Bhubaneswar

What happens when students leave their school bags at home? At PM SHRI KV Bhubaneswar, “Bagless Day” means more than just a break from textbooks—it’s a deep dive into real-world learning.



On these special days, students explore pottery, first-aid, recycled art, and local crafts through hands-on workshops led by experts. They build life skills, embrace creativity, and connect with India’s cultural roots.

The program sparks joy, builds teamwork, and turns the school into a hub of curiosity and practical learning. It’s NEP 2020 in action—where joyful, meaningful, and burden-free learning comes alive, one bagless day at a time.



REGION 5: BHUBANESWAR

Robotic Sensors: Young Minds, Smart Machines

School: PM SHRI KV Sundargarh

PM SHRI KV Sundargarh is sparking the tech genius in students with its Robotic Sensor program. Around 400 students from Classes IV–VIII are exploring how light, motion, and temperature sensors work through fun, hands-on experiments.



They learn coding basics, wiring circuits, and even how robots make decisions—turning theory into action. Guided by trained teachers, students work in small groups, boosting collaboration, logic, and creativity. The program ignites interest in STEM and lays the foundation for future innovation, science fairs, and tech careers. It provides a platform for a smart generation—where curiosity meets circuits, and learners become inventors.



REGION 6: CHANDIGARH

3D Printing in Action: Where Ideas Take Shape

School: PM SHRI KV 3 BRD Chandigarh

At PM SHRI KV 3 BRD Chandigarh, 3D printers are giving shape to imagination. Students design real-world solutions—like prosthetic hands, eco-friendly tools, and educational aids—using CAD software and digital fabrication tools. From sketching an idea to printing a prototype, learners experience every step of innovation.



The lab fosters creativity, engineering skills, and social responsibility, with several student projects earning recognition at state and national levels. This hands-on learning teaches students how technology can solve real-life problems and encourages them to think like entrepreneurs and changemakers—exactly what 21st-century education should look like.

