

## List of Projects Shortlisted under PRAYAAS 2023

<b>S. No</b>	<b>App. No</b>	<b>Title</b>	<b>School name</b>	<b>State (school)</b>
1	1	"Artificially mimicking brain: Towards neuromorphic computing architecture"	Learning paths School, Mohali	Punjab
2	4	Study the following ground water level and find method of using traditional canal system	Kendriya Vidyalaya Etawah	
3	8	Assessing the awareness of health and environment issues by consumption of fast food among school students.	Govt. Model Sanskriti Sr. Sec. School, Hisar	Haryana
4	9	Evaluation of digested sludge from Sewage Treatment Plant (STP) as fertilizer for safe usage in crop production and land reclamation	Lovley Public Sr. Sec. School, Delhi	Delhi
5	10	Assessment of the impact of climate change on physico-chemical properties and microorganisms of soil	Navyug Sr. Sec. School New Delhi	Delhi
6	16	Protecting the Vulture Population in the Deogarh Forest of Lalitpur: Replacing the veterinary use of Diclofenac by a traditional formulation from the local forest	Kendriya Vidyalaya Lalitpur	UP
7	20	Identification of contamination in the HINODN river and its consequences	Kendriya Vidyalaya Janakpuri New Delhi	Delhi
8	23	A Vacuum Cup Grab Bar for Person with Disability	Kendriya Vidyalaya IIT Indore	Madhya Pradesh
9	26	A comparative case study of the impact of classroom design and conduct on learning	Perpetual Succour Convent High School, Navelim	Goa
10	27	Recycling plastic waste with fused deposition modelling (FDM) 3D printing	Dr. K.B. Hedgewar Vidyamandir	Goa
11	28	A study on soil health and sustainable fertility management	Telangana State Model School and Jr College	Telangana

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12	29	Retinal Imaging: A Preventive medicine	St. Kabir school, Drive-In, Thaltej, Ahemdabad	Gujarat
13	30	Properties of soil and its effect on crop production	Kendriya Vidyalaya, Balaghat	Madhya Pradesh
14	32	Characterization of water in around Preambular	Kendriya vidyalaya, Vilamuthw road Perambalur	Tamil Nadu
15	33	Gravity-an attempt for a unified theory	Amity International school, Pushp Vihar	Uttar Pradesh
16	35	Guardians of Vital Water: A quest for Sustainable Water Management and reviving the Aquatic treasure by holistic Restoration of Contaminated and Encroached Lake	Kendriya Vidyalaya No. 2 AFS Tambaram	Tamil Nadu
17	38	Agroforestry for Improved Soil Fertility	Kendriya Vidyalaya BSF, Jodhpur	Rajasthan
18	40	Assessment of low uptake of science students in schools of PUNJAB	Delhi Public School, SEC-40C, Chandigarh	Chandigarh
19	41	Evaluation of edible oil impurity using homemade spectrometer setup	KV AFS Akkulam, Anayara Thiruvananthapuram	Kerala
20	43	Mathematical modelling on heat transfer process in the living biological tissues for hyperthermia treatment in cancer cells	Hariyana Vidya Mandir,	West Bengal
21	44	Coal mining and local environment- A study in patratu bhurkunda coalfield of India	kv patratu	Jharkhand
22	46	Study of the toxicity of Calotropis on larvae of mosquito	kv no 3 Sagar Rajghat Road	M.P
23	51	Bti - A Natural Mosquito Killer	Kendriya Vidyalaya No 1 AFS Suratgarh	Rajasthan
24	59	Air pollution: Solution	Kendriya Vidyalaya CRPF Guwahati	Assam
25	61	Impact of city pollution on trivandrum city's butterflies	KV Pattom Shift-II	Thiruvanthpuram

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26	63	Smart plate for food nutrition monitoring	KV no.2 pondicherry university campus	Pondicherry
27	66	Impacts of pollutants on water quality and health status of fish inhabiting the canoli canal, Kozhikode, kerala, India	KV No. 2 Calicut	Kerala
28	67	Thermally controlled work space: An eco-friendly solution	KV Greater Noida GB nagar	Uttar Pradesh
29	77	पूर्व शालेय बालक एवं बालिका पोषण स्तर	केंद्रीय विद्यालय महोबा रोड छतरपुर	मध्य प्रदेश
30	83	Study on the physico-chemical analysis of water quality in a few selected places in Aizawal, Mizoram	Kendriya Vidyalaya, Aizawl Mizoram	Mizoram
31	87	Studies on present water quality of holy ponds of pilgrimage city, Puri, Odisha and source of health hazards	Kendriya Vidyalaya, Puri	Odisha
32	91	A study on traditional knowledge and usage custom of mosquito repellents in and around nileshwar in Kasaragod district of Kerala	K V Nileswar	Kerala
33	95	Green Synthesis of Nanoparticle of Antibiotic Pollution Remediation and Photocatalytic Solutions ( <b>Repetition from 47</b> )	TSR SCHOOL (G), Hasanparthy	Telengana
34	96	Hydrogen Depot - Highly efficient Metal Organic Frameworks for H2 Gas storage in fuel cell batteries	Kendriya Vidyalaya CRPF Pallipuram	Kerala
35	100	Aquatic Biology Cleaning robmachine	Kendriya Vidyalaya, Damoh	Madhya Pradesh
36	103	SMALL SCALE FISH WASTE PROCESSING MACHINE: A SUSTAINABLE SOLUTION FOR FEED, FERTILISERS, AND GRAIN MILLING	Kendriya Vidyalaya, Puranattukara, Thrissur	Kerala
37	104	Saybean Cultivation in Damoh: Boon or curse to farmer	Kendriya Vidyalaya, Damoh	Madhya Pradesh
38	107	Impact of Invasive Species on Ecosystem in Kerala, with a Special Reference to Kuttanadu	Kendriya Vidyalaya Sangathan, Adoor	Kerala

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39	115	Ichthyofaunal Diversity from Landing sites of South Goa	Ramnath Naik Memorial Gov. Higher Sec. School	Goa
40	116	Study of factors affecting the rate of production of Maize Through conservation Farming in Chinta Kunta Village of Karimnagar	Paramita Heritage School	Telangana
41	128	Long Distance Censor Oriented Robotic Operator	K.V HVF	Tamil Nadu
42	132	Eco-Friendly Anti-Inflammatory Tampon	reliance Foundation School, Koparkhairane	Maharashtra
43	141	A Current Scenario of Arsenic Contaminatjioon in Surface and Ground water and its impact on Ecosystem with special reference to awareness of people of Affected area in Ghazipur District	K.V Ghazipur	U.P
44	142	Use of Controlled Dielectric Heating and Other Physics Methods to Increase the Organic Shelf Life of Natural Herbal Products	Reliance Foundation School Lodhivali	Maharashtra
45	145	Development of iron and calcium rich Hemidesmus indicus supplemented cookies	Kendriya Vidyalaya No. 1	Tamil Nadu
46	151	Eco-Friendly Low Cost Method for Fruits and Vegetables Preservation	Kendriya Vidyalaya Imphal no. 2	Manipur
47	159	Soil Degradation (Water Logging)	Kendriya Vidyalaya No. 3 Baad Mathura	Uttar Pradesh
48	160	Eradicating Eichhornia crassipes by Cell-Wall destruction	Kendriya Vidyalaya CLRI	Tamilnadu
49	162	Effect of the material of cooking utensils on the quality of food	KV Dewas Road Nagziri Ujjain	Madhya Pradesh
50	168	Antibacterial Activity of fermented Morina Oleifera Leaves against selected multi drug resistant bacteria	Kendriya Vidyalaya, C.R.P.F. Avadi	Tamilnadu

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51	171	Manhole detector: Enhance Manhole Safety with Sewer Laser Lights	K.V Kanchan bagh	Andhra Pradesh
52	172	Flood Saver: Drone-Assisted Flood Relief	K.V Kanchan bagh	Andhra Pradesh
53	177	A System to prevent Cattle from FMD (Foot and Mouth Disease) with health monitoring	DAV Public School	Odisha
54	179	Tri Health Catalyst - Holistic Health Transformer	Dr. Rajendra Prasad K.V. President's Estate	Delhi
55	181	To Innovate Reusable Anto-Bacterial Cotton Cloth Pads Using Palm Fibers, Neem extract	DM school, Bhubaneshwar	Odisha
56	182	Exploring the Potential of Moringa Leaf Extract as a Plant Growth Hormone and Biostimulant for Improving Yield and Quality of Castor under Abiotic Stress	Bright Stars High School	Telangana
57	185	Reducing the salt contents in drinking water	Cambridge Public e-School	Tamil Nadu
58	193	Impact of Ground Water on the Health of People of Jamalpur Kalan, Haridwar	DAV, Scentenary Public School	Uttrakhand
59	203	Integrated IR Security System for Netgun Activation	Jawahar Navodaya Vidyalayam, Warangal	Telangana
60	207	Comparing the growth rate of hydroponically grown plants to the plants grown conventionally in soil	KLE Society's English Medium School, Hubballi	Karnataka
61	216	Enhancing photochemical reactions using a light- reflecting instruments	JNV, Surat	Gujarat
62	218	Study of Factors Affecting the Rate of Production of Maize Through Conservation Farming in Chinta kunta village of Karimnagar	Paramita Heritage School, Karimnagar	Telangana
63	224	Development of PBS Bioplastic Rainforest with Biomass Derived Nanocellulose for Sustainable Packaging solutions	Jawahar Naovdaya Vidyalaya, Kulamavu, Idukki	Kerala

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64	226	A Solar - Powered Water Purification System for Rural Communities	PM SHRI School JNV, Shegaon, Buldana	Maharashtra
65	228	Exploring the use of sustainable material inn fashion design and its impact on the environment	JNV, IGC-Phase-III Block -A5, Kalyani village, Nadia	West Bengal
66	232	Remote sensing and GIS based spatiotemporal assessment of land use nad land cover changes and its environmental impact in the Palampur region of Himachal Pradesh	PM SHRI JNV, Paprola, Baijnath, Kangra	Himachal Pradesh
67	238	Investigating the allelopathic activity of leaf extracts of medicinal weeds on Parthenium hysterophorus L. growth and development- a biocontrol initiative	JNV Hooghly, Dihibagnan	West Bengal
68	239	Mitigating Ozone-Induced Respiratory issues in a school environment: Investigation the Efficacy of Copper Wire-Embedded Masks	JNV Karaikal, Rayanpalayam	Puducherry
69	241	lower risk pesticides	JNV Pithoragarh	Uttrakhand
70	245	Local medicinal plants	PM SHRI JNV, Pithoragarh, Marsoli Bhat	Uttrakhand
71	246	Plastic Waste Recycling and Multi-Purpose Utilisation	JNV, Gadchiroli	Maahrashtra
72	248	Food Adulteration	St. George International School, Kothapally, Karimnagar	Telangana
73	252	Health - Femfree Utero Belt	Brilliants Convent, West Enclave, Pitampura	Delhi
74	253	Hairfall: A major Cause and Its Prevention	JNV, Rohtak	Haryana
75	254	Evaluation of Sustainable Solid and Liquid Waste Management Options in Campuses	JNV, Eluru, Lakshipuram	Andhra Pradesh

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- The next stage for selection of projects under the PRAYAAS 2023 is the Presentation cum Interview.
- The candidates shortlisted under the PRAYAAS 2023 scheme are required to appear from 23-24 Jan, 2024 before the jury committee through virtual mode/online mode and demonstrate their project for further selection. Intimation in this regard is being sent separately on the e-mail ID provided in the application form.