



Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B+" Grade

Criterion7: Institutional Values and Best Practices

7.2: Best Practices

7.2.1 : Best Practice 1: Sanshuddhi: Restoring the Mother Earth

Chandan
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B" Grade

Objectives:

Carbon neutrality is a battery of organizational or individual measures that aim to balance the amount of greenhouse gases emitted into the atmosphere with an equivalent amount of reduction or removal of those gases. Hence, the major driving forces behind adapting this initiative are to mitigate climate change, environmental protection, energy efficiency and conservation, and transition to renewable energy as much as possible.

Context:

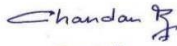
In recent years, construction works in Raiganj, especially near the college, has surged, leading to a potential rise in AQI. To counter this, the college has adopted a net zero emission initiative to protect the environment, ensure public health, and promote sustainable development and energy security.

The Practice:

Our college has implemented several initiatives to promote environmental sustainability.

1. We have replaced the old methods of burning degradable waste with composting (pit method), using the waste as manure for gardening. Due to the lack of municipal water supply in Raiganj, we rely on groundwater and have adopted rainwater harvesting to recharge the water table and reduce water usage in gardening. To decrease reliance on thermal electricity, we have installed solar panels on campus.
2. As part of our 'Go Green' initiative, we have introduced paperless admission and administration to minimize paper usage. We celebrate World Environment Day enthusiastically to raise awareness among students and staff. Our clean and green drive includes sapling plantations on campus and in adjacent areas, organized by our NSS units.
3. We discourage the use of plastic bags on campus, promoting metallic cans, glass bottles, and paper cups instead. Birdhouses have been installed to show empathy towards birds and companion animals, and we celebrate World Wildlife Week. We have designated a room for electronic waste disposal, preferring to repair old appliances or buy new ones through exchange offers.
4. Laboratory waste disposal is managed with separate bins for glass, sharp objects, surgical items, and chemical reagent bottles. Biological samples are discarded only after autoclaving. To spread environmental awareness, RSM and the Nature Club organize seminars and survey programs throughout the year. The Department of Zoology showcased a 'carbon footprint app' at the annual exhibition to educate students and locals about carbon footprint and neutrality initiatives.
5. To reduce fossil fuel usage and improve air quality, we encourage the use of battery-driven vehicles and bicycles. Additionally, our college has an herbal garden for medicinal plants and a vertical garden setup.

These initiatives reflect our commitment to protecting the environment, ensuring public health, and promoting sustainable development and energy security.


Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B" Grade

A. Sanshuddhi: **Installation solar panels** to achieve net zero emission (alternative energy source)



A., B. Installation of solar panels (15 nos) of 5kW power using RUSA 2.0 fund.



C. Solar Panels (top view from roof top)

D. Wheeling to the grid

Chandan
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





E. LED tube light



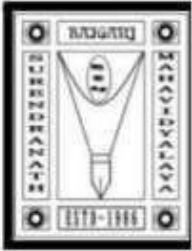
F. LED Bulb



G. Energy-efficient A.C.

Chandan R
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B+" Grade

B. Sanshuddhi: Specific waste disposal management and recycling of waste – towards cleanliness



A. Blue bin for biodegradable solid wastes



B. Green bin for biodegradable Garden and kitchen waste



C. Waste bin for discarding solid non-biodegradable items



D. Drainage for liquid disposal



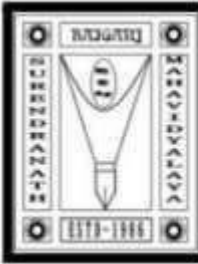
E. Drainage from wash basin



F. Autoclave

Chandan
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B" Grade



G. Store room for e-waste and papers



H. Space for chemical waste dumping
Principal
Raiganj, U/D

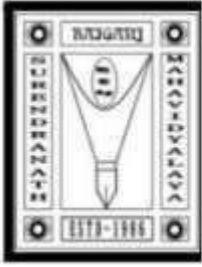


I. Recycling of biodegradable waste

G. Store room for e-waste and papers

H. Space for chemical waste dumping
Principal
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B" Grade

C. Sanshuddhi: Conservation of water resources



A. Tanks for storing rain-water (used for watering garden plants)



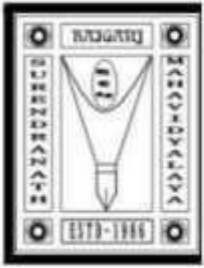
B. Water body within campus



C., D. Campaign to save water

Chandan
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B" Grade

D. Sanshuddhi: Initiatives to develop a **clean, green, plastic-free campus**



A. Campaign for clean and green campus



B. Promotion to avoid of single use plastic



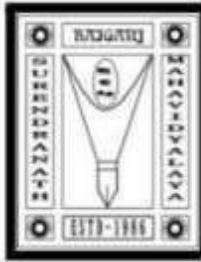
C. Campaign for clean and green campus



D. Campaign to ban single use plastics

Chandan
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B+" Grade



E- F. Sapling plantation on World Environment Day

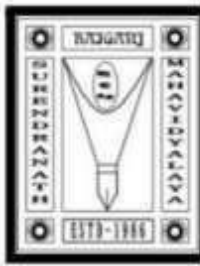


G., H. Sapling plantation drive within campus

Chandan

Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B" Grade



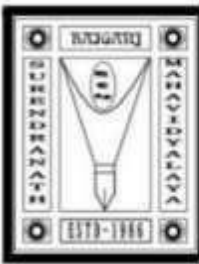
I. Cleaning campus



J. Sapling plantation at the front-gate area

Chandan
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B*" Grade



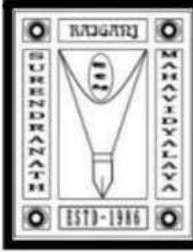
K., L. Cleanliness drive in the campus



Chandan K

Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B⁺⁺" Grade



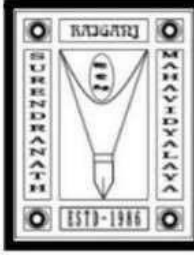
M., N. Green and Clean drive on Celebration of World Environment Day



O. Plantation drive on World Environment Day

Chandan
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D



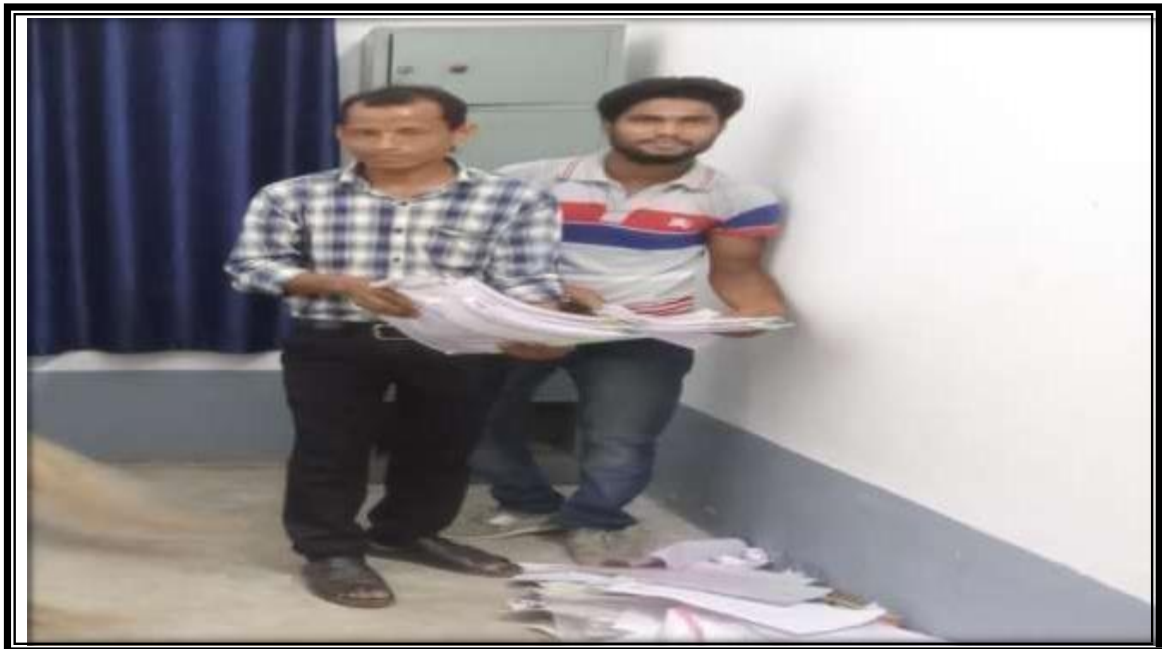


Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B⁺⁺" Grade

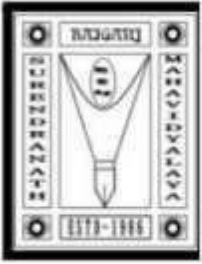


P., Q. Cleanliness drive: faculty initiative



Chandan
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/B





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B" Grade



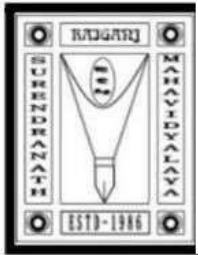
R. – T. Glimpse of seminar session on solution to plastic pollution



Chandan

Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B⁺⁺" Grade

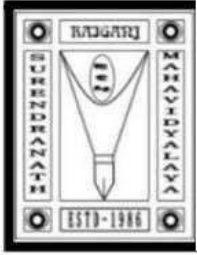


U. - W. Paintings on Plastic pollution and ideas on solution to plastic pollution



Chandan
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B⁺⁺" Grade



X. Green lush in the campus



Y. Medicinal plants' garden

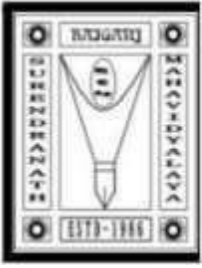


Z. Vertical Garden

Chandan

Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B*" Grade

E. Sanshuddhi: Empathy for animals:



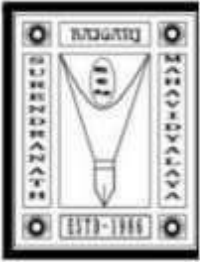
A., B. Abodes for birds



C., D. Security guards are feeding the dogs

Chandan
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B" Grade

F. Sanshuddhi - **Wildlife Week** celebration:



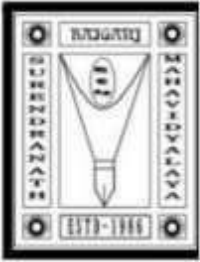
A., B. Observation of Wildlife Week



C. Understanding Nature and Wildlife into the wild (Kulik bird and wildlife Sanctuary)

Chandan
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D



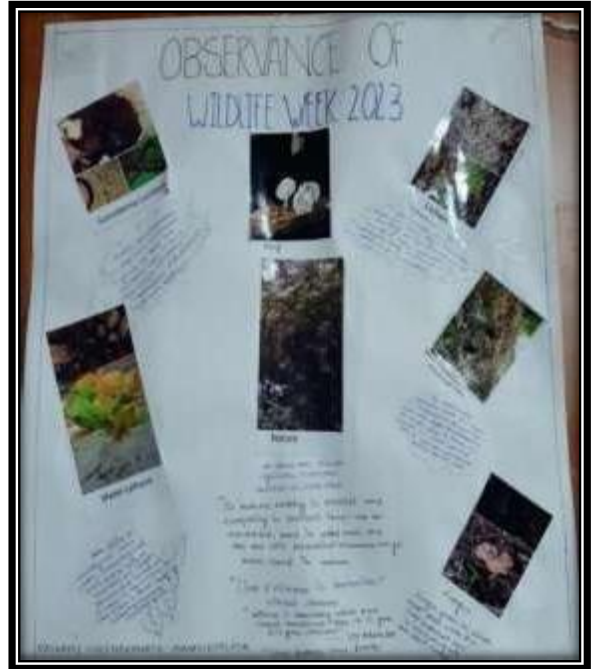


Raiganj Surendranath Mahavidyalaya

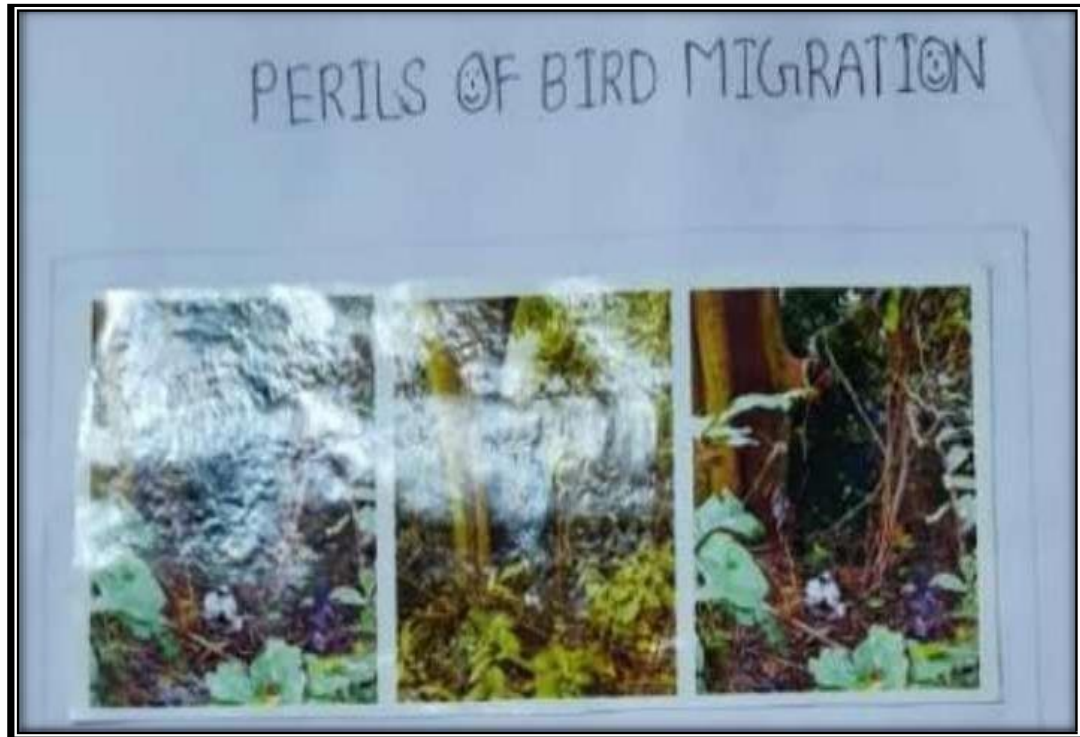
Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B" Grade



D. Essay writing competition on Wildlife and livelihood



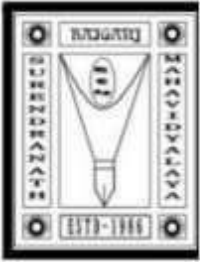
E. A collage of Nature



F. A nature photograph capturing perils of bird migration (snapshot taken during Kulik visit)

Chandan
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B" Grade

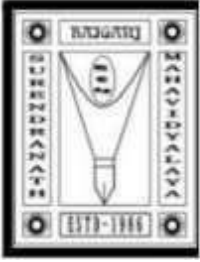
G. Sanshuddhi: Green initiatives beyond the campus



Chandan

Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

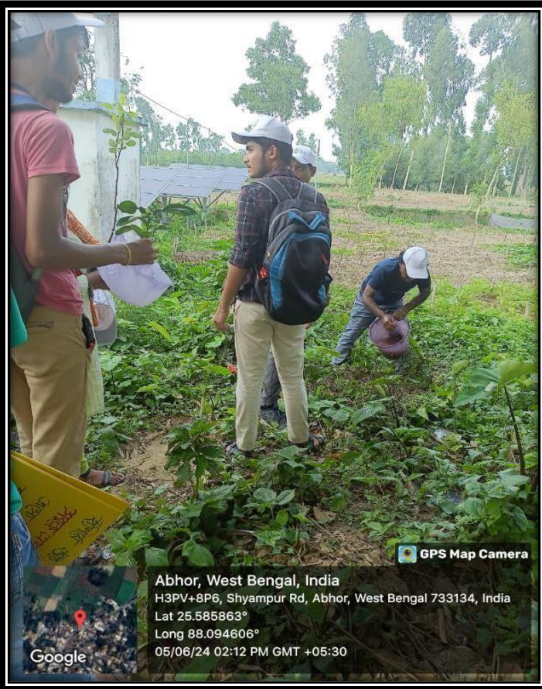
Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B" Grade



GPS Map Camera



Abhor, West Bengal, India
H3PV+3G5, Abhor, West Bengal 733134, India
Lat 25.584213°
Long 88.094047°
05/06/24 01:24 PM GMT +05:30



GPS Map Camera



Abhor, West Bengal, India
H3PV+8P6, Shyampur Rd, Abhor, West Bengal 733134, India
Lat 25.585963°
Long 88.094606°
05/06/24 02:12 PM GMT +05:30



GPS Map Camera



Abhor, West Bengal, India
H3MW+F42, Abhor, West Bengal 733134, India
Lat 25.584147°
Long 88.095162°
05/06/24 01:48 PM GMT +05:30



GPS Map Camera

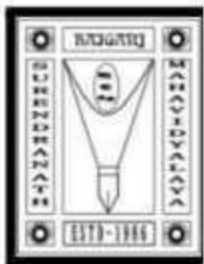


Abhor, West Bengal, India
H3MW+F42, Abhor, West Bengal 733134, India
Lat 25.583953°
Long 88.09519°
05/06/24 01:33 PM GMT +05:30

Glimpse of Outreach program
(awareness and sapling plantation drive)
at Abhor village (adopted by our college)

Chandan
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D

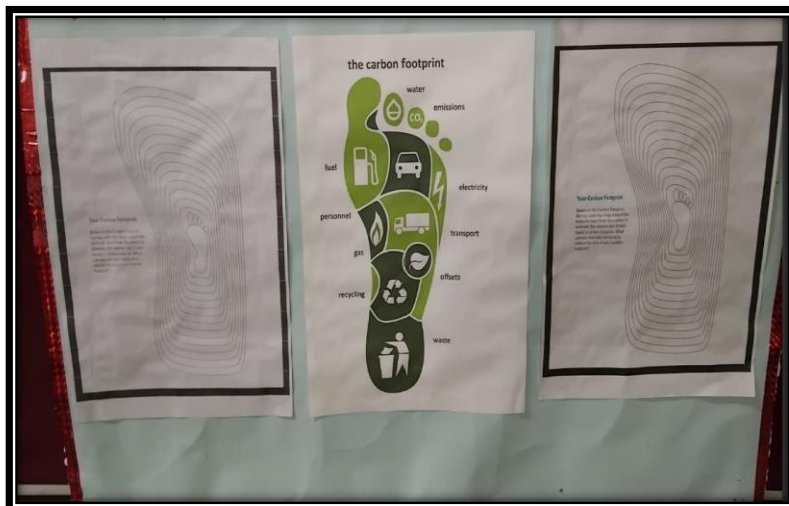




Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B+" Grade

C. Sanshuddhi: Initiatives to stir awareness about carbon neutrality:



A. Exhibition model prepared by B.Sc. students from Department of Zoology to stir awareness about net zero emission and its relevance



B. Beyond campus environmental initiative: A seminar on carbon neutrality and how to measure your own foot print

Chandan
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B" Grade

Success of Sanshuddhi: restoring the mother Earth

Proper waste management, bio-composting, and rain-water harvesting have enabled us to recycle biodegradable resources and produce manure for gardening. The facilities like e-office and e-admission have reduced paperwork. Solar panels have cut down electricity consumption. As part of the 'clean and green drive,' students and NSS members planted hundreds of saplings in the last five years. We've partially banned plastic bags and cups, with glass or copper bottles and paper cups now in use. The use of motor vehicles by students and staff has significantly decreased in the past 2-3 years. We have received "District Green Champion" award for Uttar Dinajpur District, West Bengal by Mahatma Gandhi National Council of Rural Education, GOI.



Problem encountered and resources required:

To reduce electricity consumption, we need more solar panels. We are in the process of signing MoU for biohazard, chemical and liquid waste management in science labs. Restricting petrol/diesel vehicle use is essential. Introducing add-on courses on environmental awareness and net zero emissions is crucial. We need more manpower, legislative measures, and government financial aid to address these issues.

Chandan K
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B" Grade

Criterion7: Institutional Values and Best Practices

7.2: Best Practices

7.2.1 : Best Practice 2: Srijoni: Learning through creation

Chandan
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B" Grade

Objectives:

The annual model exhibition, part of the cultural fest 'Progoti', provides arts and science students a platform to showcase their creative and innovative skills. It allows them to display projects, models, and artworks, demonstrating their understanding of various concepts. This experience fosters team spirit and collaboration.

Context:

The exhibition promotes teamwork as students plan, organize, and present their projects. It engages the broader community, including faculty, peers, and the public, sharing knowledge and passion. Feedback from peers and faculty helps students refine their work, contributing to academic and personal growth.

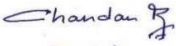
The Practice:

Raiganj Surendranath Mahavidyalaya organizes 'Srijoni: Learning through Creation' annually. Students from various departments participate, showcasing a range of projects evaluated by experts.

Key Features:

1. **Diverse Range of Projects:** Showcases diverse knowledge and creativity.
2. **Interdisciplinary Collaboration:** Encourages cross-disciplinary learning and innovation.
3. **Hands-On Learning:** Applies theoretical knowledge to practical projects.
4. **Community Engagement:** Engages faculties, peers, and the public for idea exchange and feedback.
5. **Promotion of Creativity and Innovation:** Fosters critical thinking and problem-solving.
6. **Professional Development:** Enhances project management, presentation, and communication skills.
7. **Celebration of Academic Achievements:** Recognizes students' hard work and dedication.

The exhibition celebrates academic and creative achievements, promoting a culture of innovation, collaboration, and learning within the academic community.


Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B+" Grade



A. Exhibition model displaying kiosk from Department of Geography



B. Exhibition model displaying kiosk from Department of Mathematics

Chandan B.

Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

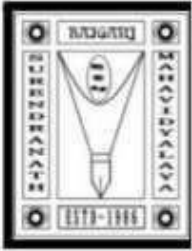
Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B" Grade



C. Exhibition model displaying booth from Department of Physics

Chandan
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B+" Grade



D. Exhibition model displaying booth from Department of Economics

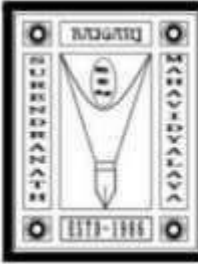


D. Exhibition model displaying booth from Department of Sociology

Chandan K

Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

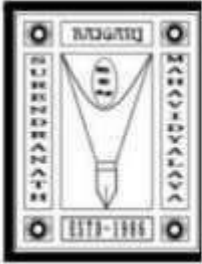
Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B" Grade



E. Students from Department of Sociology performing folk music

Chandan K
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B" Grade



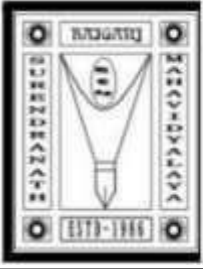
F. Kiosk from Department of Sociology



G. Kiosk from Department of Bengali

Chandan K
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

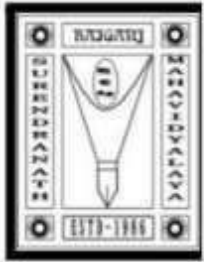
Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B⁺" Grade



H. Kiosk from Department of English

Chandan
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B+" Grade



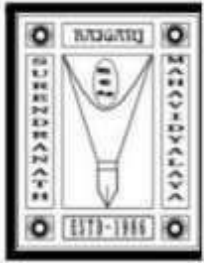
I. Kiosk from Department of History



J. Kiosk from Department of Botany

Chandan
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B+" Grade

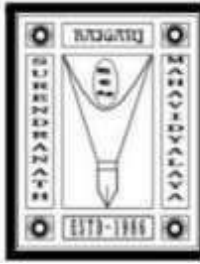


K. Kiosk from Department of Botany

Chandan

Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B" Grade



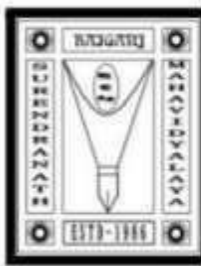
L. Kiosk from Department of History



M. Exhibition model displaying booth from Department of Zoology

Chandan
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B+" Grade



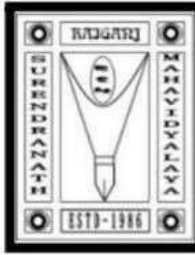
N. Kiosk from Department of Zoology



O. , P. Collage of different models displayed in kiosk from Department of Zoology

Shandana
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D



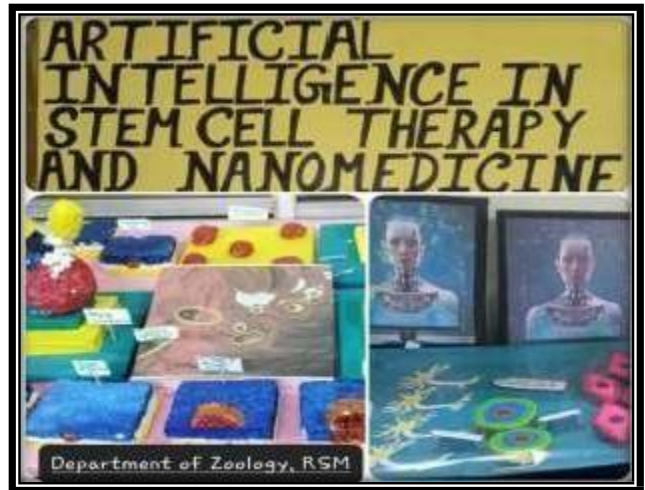


Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B⁺⁺" Grade

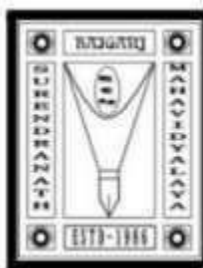


Q. – T. Various models displayed in the annual science exhibition



Chandan
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B" Grade

Evidence of Success:

Exhibitions provide opportunities to showcase research and innovative ideas, raising scientific awareness among the public. This year, students from the Zoology and Sociology departments won 1st prize in 'Srijoni'. The Zoology team was nominated for a district-level science fair, winning 2nd prize for their AI-guided nanotechnology project. A Sociology student also won 2nd prize in 'Yuva Samvad'.



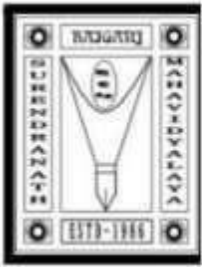
U. Department of Zoology got 2nd prize in district-level Science fair



V. 2nd prize in Debate at Yuva Sambad@2047 (Student from Department of Sociology)

Chandan
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D



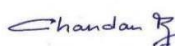


Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B*" Grade

Problem encountered and resources required:

Funding for model preparation and Infrastructural bottlenecks are the main problems encountered. Availability of funds and removal of infrastructural bottlenecks together with increased students' participation will make this practice more successful.


Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D

