

Vidyasagar University

Sustainable Environmental Initiatives

Under Mission LIFE

Vidyasagar University gives priority to the environmental sustainability and healthy lifestyle and is committed to continuous improvement of its environment and minimizing its impact on environment. University adopted Environmental Policy framework to regulate its efforts for promoting a sustainable and green campus. Vidyasagar University is committed to promote a practice of environmental awareness, sustainability and accountability in consumption and food practice amongst all the stakeholders of the university community. Our mission is to inculcate environmental sustainability and responsive consumption into all aspects of teaching-learning, research, campus life, and operations. Vidyasagar University aims to transfer into a green, environment-friendly and healthy campus.

A. Maintaining Clean and Green Campus

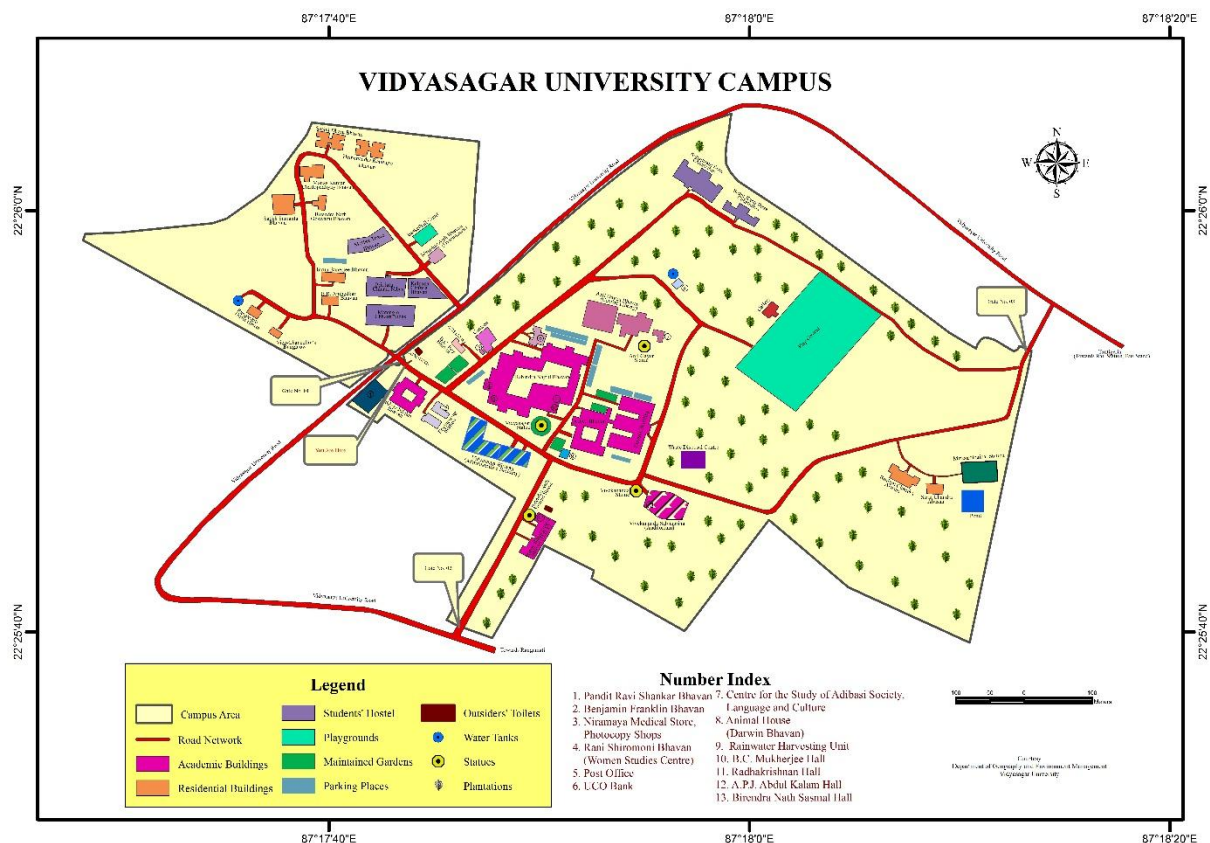


Fig. 1: Map of Vidyasagar University Campus Showing extent of its green coverage



Plate 1: Lush green Campus of Vidyasagar University from Aerial View

B. Water Management (Save Water Programmes)

B.1: Roof-top Rain Water Harvesting

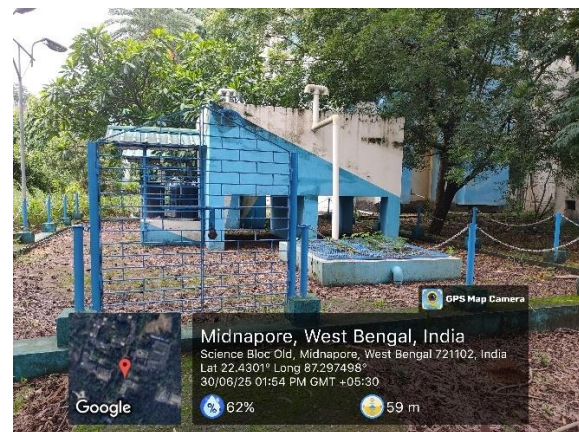
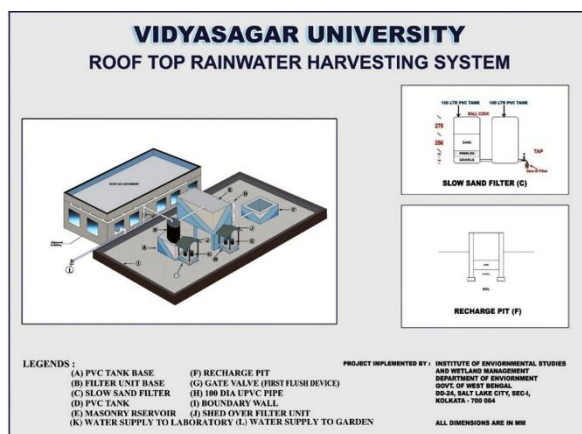


Fig. 2: Rain water Harvesting Unit 1 – the district demonstration center

Vidyasagar University developed **district demonstration center** sponsored by Institute of Env. Studies and Wetland Management, Govt. of WB (Fig 2). Another three units are constructed by the university for rainwater storage and artificial ground water recharge (Fig 3, 4 and 5).

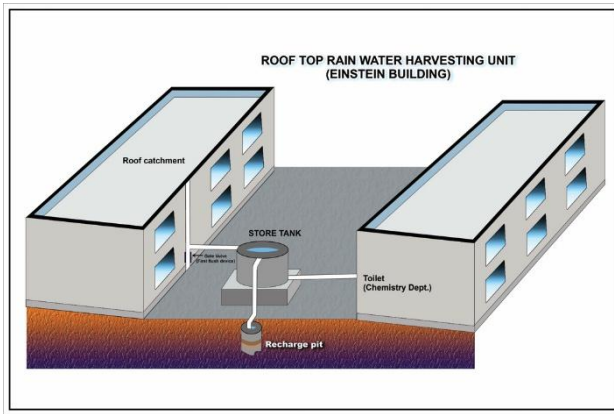


Fig. 3: Rain water Harvesting Unit 2

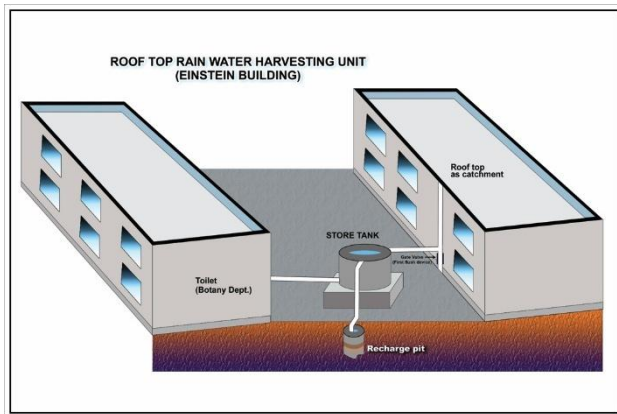


Fig. 4: Rain water Harvesting Unit 3

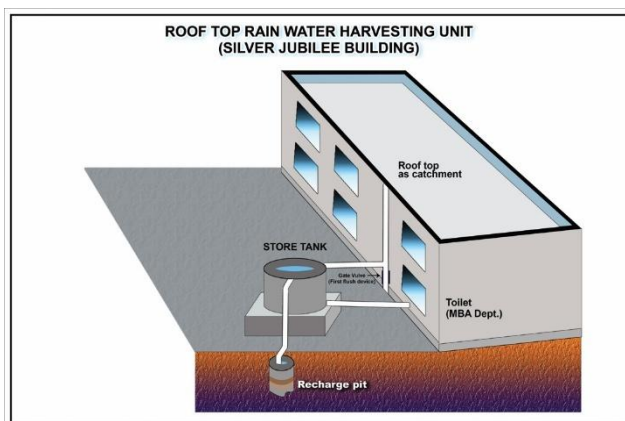


Fig. 5: Rain water Harvesting Unit 4



B.2: Surface water Management

Vidyasagar University is situated on a rolling land with lateritic hard pan. It is hard to maintain surface water body. Yet utmost care is taken to maintain two water bodies in the campus.



Plate 2: Surface water management



Plate 3: Surface water storage and use for irrigation to plantation area

C. Waste Management

C.1: Solid Waste Management

Solid wastes are efficiently managed at Vidyasagar University by segregation of degradable, non-degradable and recyclable waste at source. Each of the category is treated separately through composting and clearance by municipality. Biomedical wastes, generated from the laboratories are segregated into different categories. They are carried with designated plastic bags and are neutralized through autoclave.



Plate 4: Coloured waste bin for segregation of waste

Clean University Mission was initiated on 5th June 2025 for effective waste management at each department level. Each department has a Green Army to look after waste management at the department level which includes two-tree students, one research scholar headed by a faculty member.

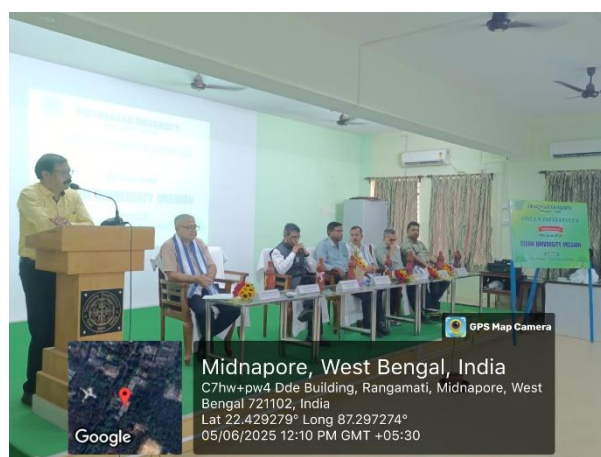


Plate 5 and 6: Inauguration of clean university mission on 5th June, 2025

D. Save Energy Program and Non-Conventional Energy Use

Vidyasagar University promotes use of non-conventional energy especially solar energy produced from roof-top panels. solar energy panels of 100 KWP capacity was installed in 2018 that is transferred to power grid and saves energy of 7500 unit per month.

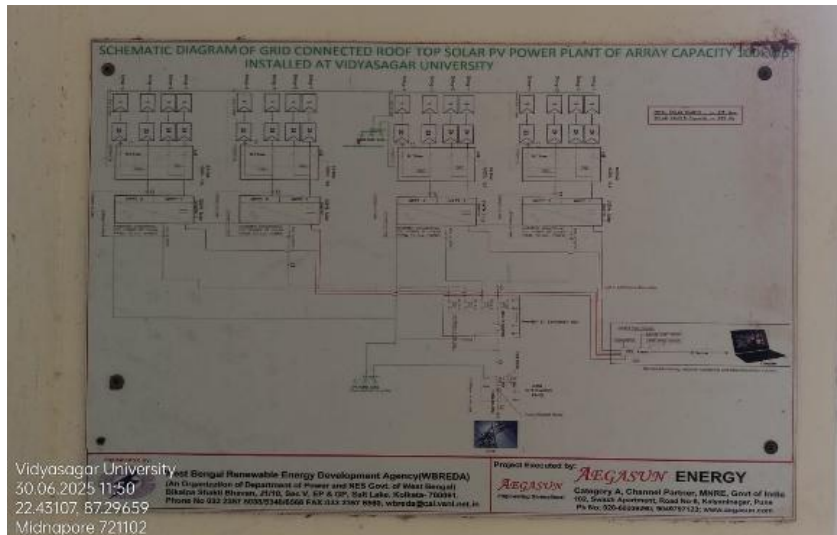


Plate 7: Diagram for Connected Rooftop Solar Power scheme of Vidyasagar University



Plate 8: Solar Power Installation



Plate 9: Solar Power panels

E. Air Quality Monitoring Station

A monitoring station of air quality is installed in the campus by West Bengal Pollution Control Board. The data are transferred to central monitoring archive and available in public domain.



Plate 10: Air Quality Monitoring Station



F. Plantation Drive

F.1 Mango Orchard Plantation

F.A mango fruit orchard was planted with 250 species in 2023 and extended in 2024 with another 150 species. Figure 13 – demonstrate how an waste land is transferred to a productive land with careful efforts of the stakeholders of the University under the initiatives of Nature Club of Vidyasagar University.



Plate 11: A waste land is cleared for plantation (2023)



Plate 12: Plantation beds are prepared



Plate 13: Orchard Plantation is inaugurated by The then Honourable Vice-chancellor in the presence of Chief Conservator of Forest, Govt of West Bengal



Plate 14: Orchard plants are taken care of



Plate 15: Recent View of Development of Orchard plants



Plate 16: Fruits in the Orchard plants

F.2 One Day Plantation Drive (Plant for Mother)

On 17th September 2024 a special one-day plantation drive was taken as per directives of UGC. Numbers of saplings of native species were planted by the stakeholders of the University.



Plate 17: Plantation by the then Honourable Vice-chancellor, Prof. Susanta Kumar Chakraborty in 'Plant for Mother' Programme



Plate 18: Plantation by the Faculty members and students, in 'Plant for Mother' Programme

F.3 Extension of Existing Fruit Orchard in 2024

Existing fruit orchard was extended by active participation of the university stakeholders in 2024 (29.07.2024) by introduction of additional 150 mangle species.



Plate 19: Extension of Existing Fruit Orchard in 2024



Plate 20: Plantation at Fruit Orchard in 2024 by University faculty members and students

F.4 Introduction of Medicinal Garden(Charak Samhita):

A medicinal garden with 80 medicinal plant species were introduced in the Vidyasagar University Campus and inaugurated by Honourable Minister – in-Charge (state) Smt. Birbaha Hansda in the gracious presence of Honourable Vice-Chancellor Prof. Dipak Kumar Kar on 17.07.2025.



Plate 21: Honourable Minister (state), Dept. of Environment Smt. Birbaha Hansda inaugurated Medicinal Plant Garden on 17.07.2025 in the gracious presence of Honourable Vice-Chancellor Prof. Dipak Kumar Kar



Plate 22: Honourable Minister (state), Dept. of Environment Smt. Birbaha Hansda took part in plantation at Medicinal Plant Garden on 17.07.2025 in the gracious presence of Honourable Vice-Chancellor Prof. Dipak Kumar Kar. Registrar, Dr. Jayanta Kishore Nandi, Faculty members, staff and students also participated in the programme.

F.5 Plantation under West Bengal Clean Air Mission (Funded by West Bengal Pollution Control Board)

West Bengal Pollution Control Board funded a project for plantation under National Clean Air Mission in 2025. It was inaugurated by Dr. Kalyan Rudra, Chairman West Bengal Pollution Control Board in the gracious presence of Honourable Vice-Chancellor Prof. Dipak Kumar Kar on 23.07 2025. Prof. Paresh Ch Jana, Dean Faculty of Science, Registrar, Dr. Jayanta Kishore Nandi other faculty members, staff, and students participated in the programme.

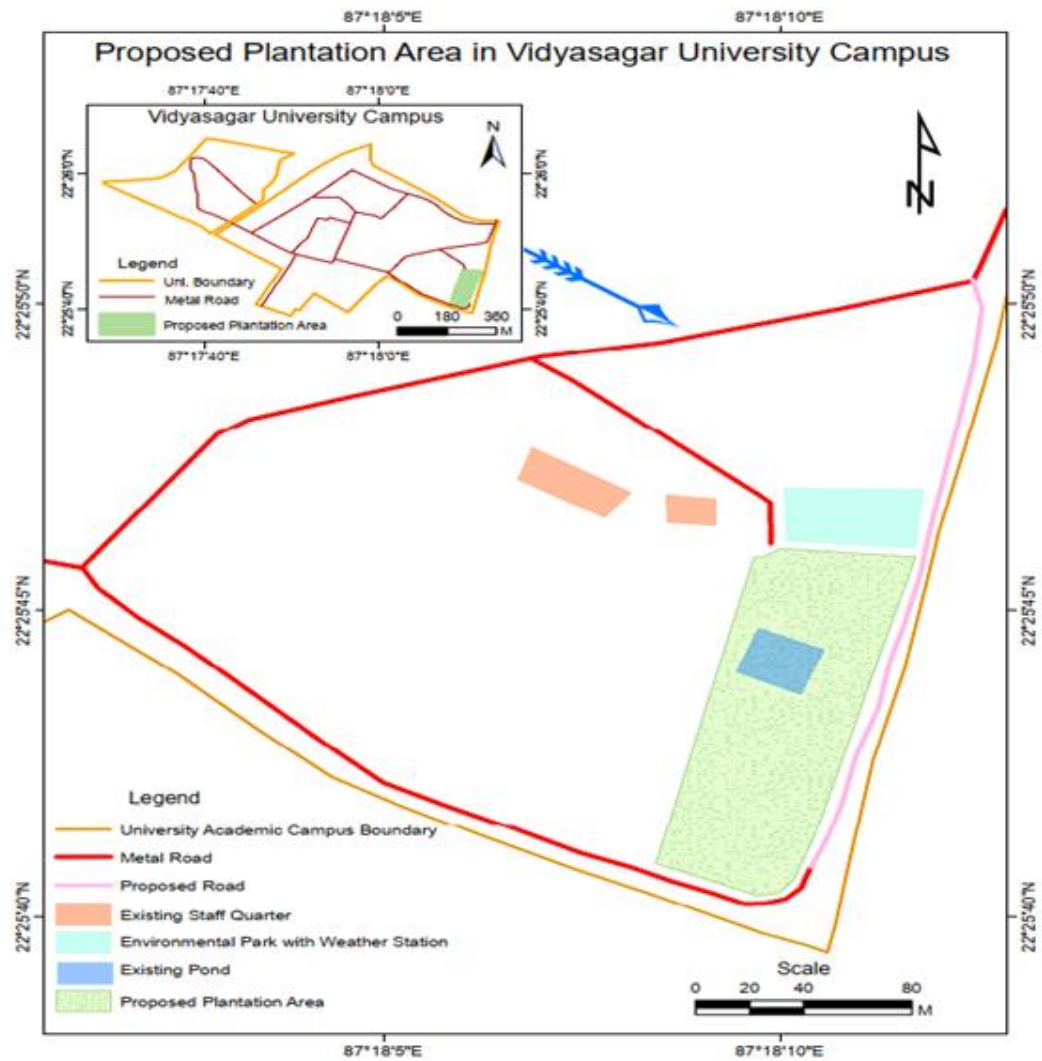


Fig. 6: Plantation area for the project West Bengal Clean Air Mission



Plate 23: Plantation project inaugurated by Dr. Kalyan Rudra, Chairman West Bengal Pollution Control Board, under West Bengal Clean Air Mission in the gracious presence of Honourable Vice-Chancellor Prof. Dipak Kumar Kar on 23.07 2025. Prof. Paresh Ch Jana, Dean Faculty of Science, Registrar, Dr. Jayanta Kishore Nandi, other faculty members, staff, and students participated in the programme



Plate 24: Honourable Vice-Chancellor Prof. Dipak Kumar Kar Prof, Paresh Ch Jana, Dean Faculty of Science, Registrar, Dr. Jayanta Kishore Nandi, other faculty members, staff, and students participated in the plantation programme on 23.07 2025.



Plate 25: Plantation by Honourable Vice-Chancellor Prof. Dipak Kumar Kar and Dr. Kalyan Rudra, Chairman West Bengal Pollution Control Board, under West Bengal Clean Air Mission on 23.07 2025



Visit of West Bengal Pollution Control Board officials on 13th December 2025



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G. Community Engagement Programmes

G.1 Effort of Awareness against Forest fire and Hunting at Chandra Forest (22.03.2024)

In collaboration with, Department of Forest, Govt of West Bengal an awareness drive was taken to make local forest fringe dwellers aware about the impacts of hunting and forest fire on 22.03.2024.



Plate 26: The then Honourable Vice-chancellor, Vidyasagar University addressed local community on the negative impacts of forest fire and hunting as Out-campus Environmental Initiatives on 03.04.2025



Plate 27: Faculty members took part in Out-campus Environmental Initiatives on 03.04.2025

G.2 Effort of Awareness against Forest fire and Hunting at Gopegarh Forest (2025)

In 2025 a group of students and faculty members participated awareness drive in collaboration with Department of Forest , Govt of West Bengal against Forest Fire and Hunting.



Plate 28: Out- Campus environmental initiative by the Faculty members and students in 2025 to Aware local forest fringe-dwellers against hunting and forest fire

H. Biodiversity Documentation

Initiatives are made to document fauna and floral diversity in the University campus. A publication is made in the form of a pictorial atlas by Vidyasagar University Publication Division in 2019.

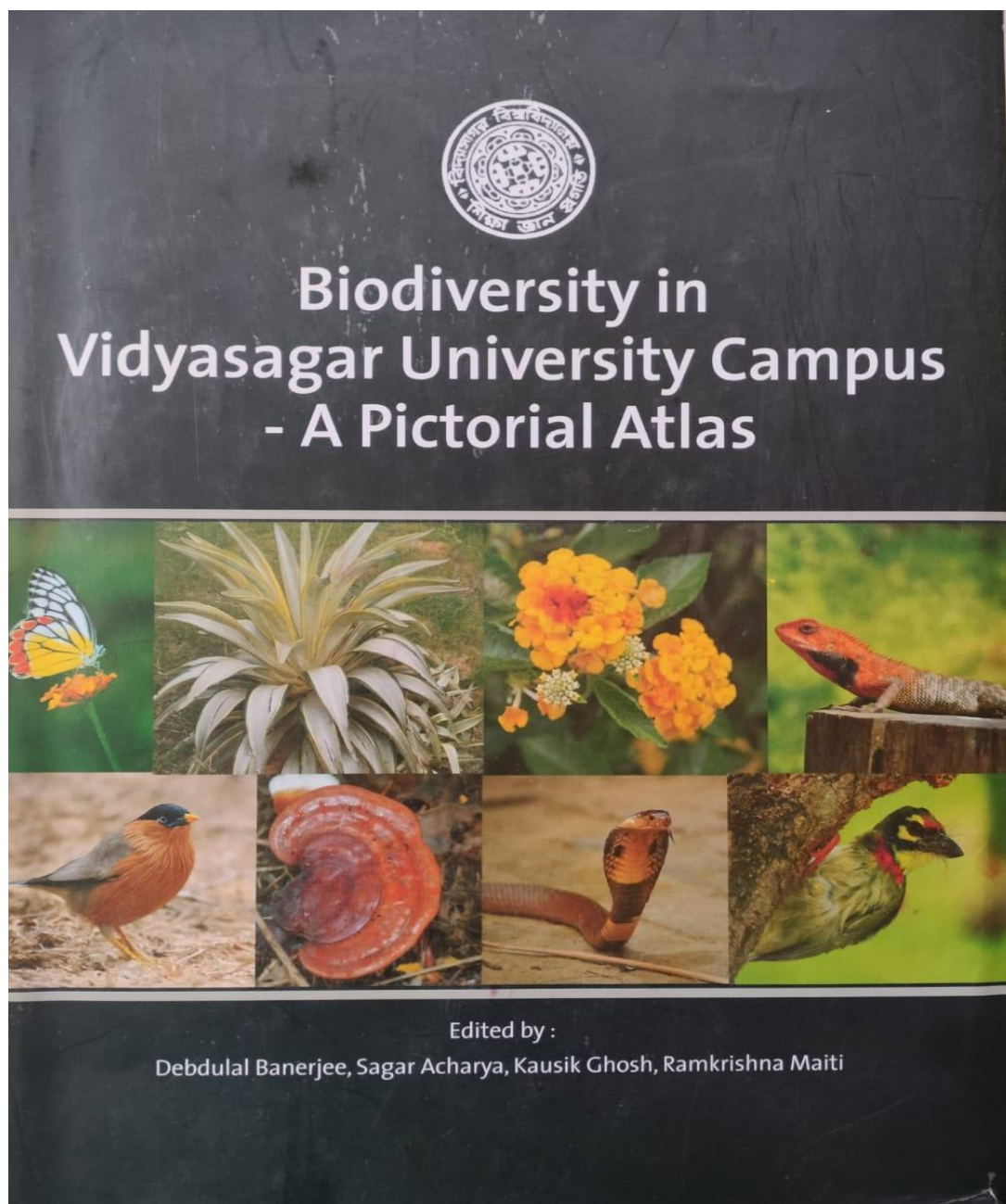


Plate 29: Biodiversity Atlas of Vidyasagar University

1.Natural Resource Extraction and Value Addition

A step was taken to identify the date palm trees in the Vidyasagar University campus to extract juice and produce jaggery and sweets. Over 120 date palms tree are identified in the University campus and out of these 65 were reported as matured suitable for juice extraction. A successful project was completed in the year 2023-24 in an aim for identification and documentation of indigenous resource and value addition to produce a more valuable product.



Plate 30: Date Palm Juice collection and Jiggery production

J. Environmental Education

Vidyasagar University fosters environmental sensitization, education and awareness among all the stakeholders viz. students, staff, and faculty to stimulate a sense of environmental accountability.



Plate 31: Inauguration of World Mangrove Day Celebration , Jointly Organised by Dept. of Geography and Nature Club Vidyasagar University



Plate 32: Dr. Kalyan Rudra, Chairman West Bengal Pollution Control Board delivered lecture in the World Mangrove Day Celebration

Vidyasagar University has established Centre for Environmental Studies. M Phil and Ph D programs are conducted on various environmental issues.

(Link: https://www.vidyasagar.ac.in/ResearchCentres/Centre_ENVS/Programs.aspx)

Form 2025-26 University introduced Post-graduate program on Environmental Science

(Link: <https://www.vidyasagar.ac.in/admission/Prospectus.aspx>)

K. Healthy Lifestyle Programs and Facilities

Vidyasagar University introduced Certificate course on Sahaj (Easy) Pranayam and Yogasan since 2024

(Link:

<https://docs.google.com/forms/d/e/1FAIpQLScoCkHdK4Jy1Ds7DxiDUZb6ti64nCnmnTyiLVemYIRwUr31Wg/viewform>)

University created facility for regular pranayama and Yogasan practice and encourage stakeholders in healthy lifestyle through regular pranayama and yogasan along with other sports activities.

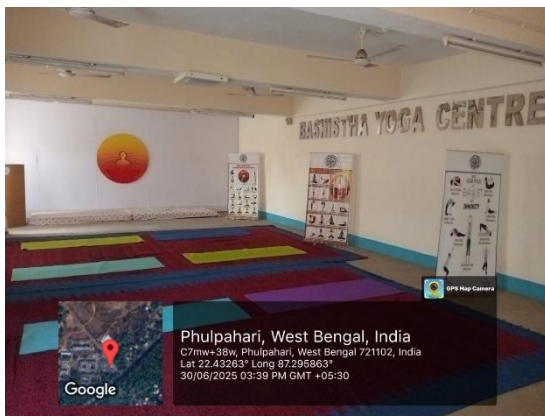


Plate 33: Facility for regular pranayama and Yogasan practice



Plate 34: Students in the Bashistha Yoga Centre



Plate 35: International Yoga Day Celebration (21.06.2025)

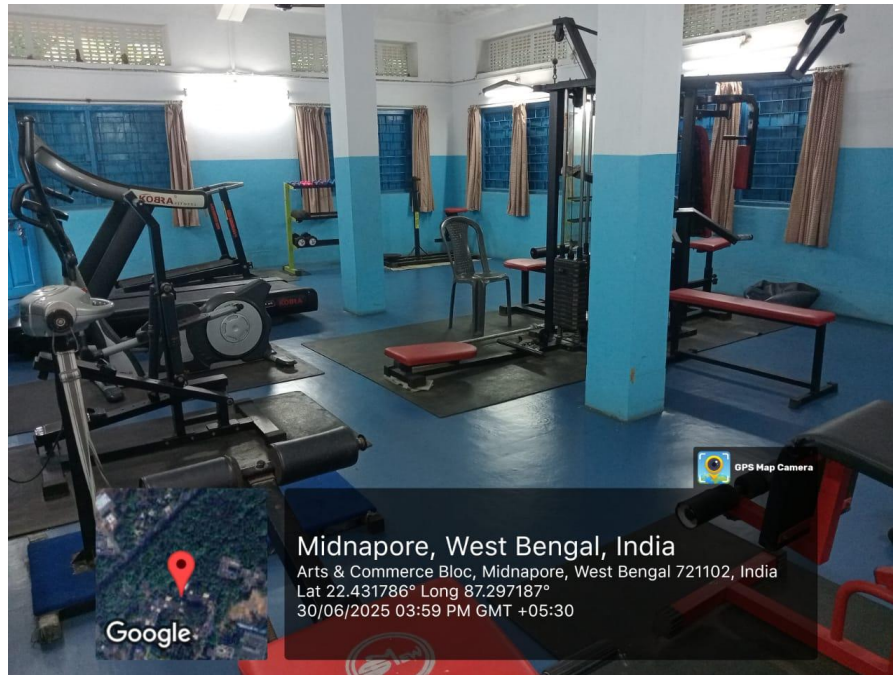
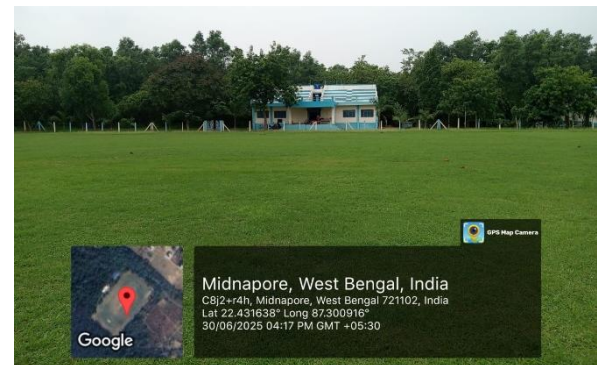
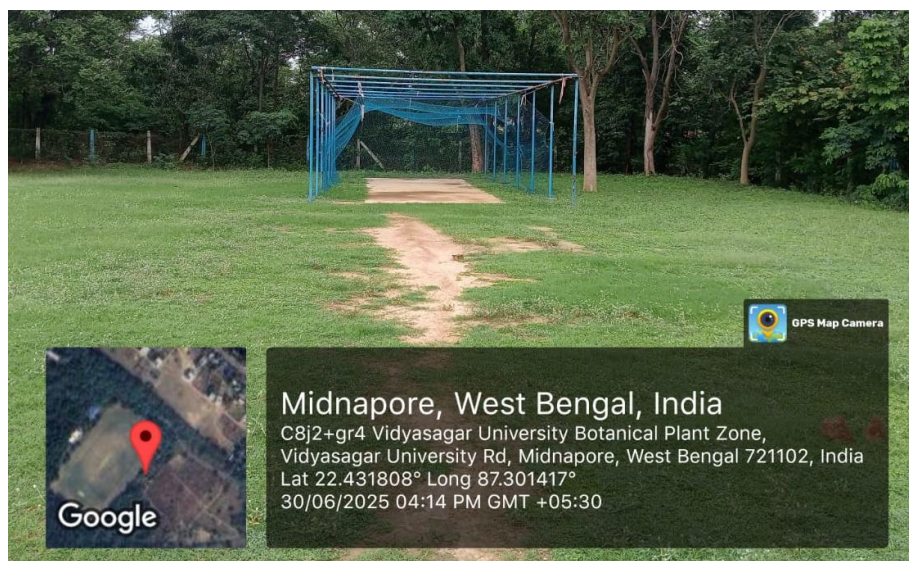


Plate 35: University gymnasium with all



modern facilities

Plate 37: Khudiram Kridangan – The University play ground



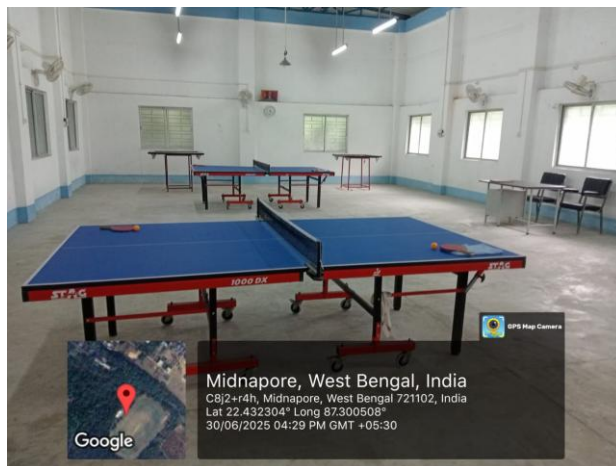


Plate 38: Cricket practice facility in the University play ground



Plate 39: Indoor Sports Facility



Plate 39: Inter-college men's football competition

Plate 40: Hon'ble Vice-chancellor Inaugurates Inter-college women's football competition



Plate 41: Players during Inter-college women's football competition



Plate 42: Hon'ble Vice-chancellor and Registrar took part in Chess competition (2025) to encourage the students in sports



Plate 43: Students in Chess competition (2025)

L. Healthy and Sustainable Food Practice Programs

Vidyasagar University makes students aware about the necessity of healthy foods both inside and out side the campus through teaching and outreach activities. University organizes food festival to promote healthy food practice among the stakeholders.



Plate 44: Awareness program on healthy food practice



Plate 45: Food Festival to promote the awareness on healthy food practice among the students

Conclusion:

Vidyasagar University adopts all possible procedures to optimize its efforts to improve its environment and to encourage best practices in environmental sustainability and healthy lifestyles among the students and stakeholders both within and outside the campus in line of MISSION LIFE initiatives to foster sustainable lifestyles and responsible consumption. Vidyasagar University is enthusiastic to emerge as a model in environmental sustainability and management in the academic community through coordinated approach and collective efforts.