

# SUSTAINABLE REOPEN OF SCHOOL PREVENING REINFECTION-CORONAVIRUS-2 IN NEW-NORMAL BY VACCINE-NATIONALISM-EQUITY-PASSPORT WITH GINGER-DRINKS-BIO-MEDICINAL-MID-DAY-MEALS!



Dr. Subhas Chandra Datta<sup>1,2</sup>  

<sup>1</sup>Headmaster, Secretary and Researcher, Eco-club Research Unit, Kanchannagar D. N. Das High School (HS), Kanchannagar, Burdwan Municipality, Purba Bardhaman, Burdwan-713102, West Bengal, India

<sup>2</sup>Department of Zoology, Visva Bharati, Sriniketan-731235, West Bengal, India



## ABSTRACT

Students are the future of the nations. But they are totally neglected in the new normal situation also, due to new variant of SARS-Co-2 badly impacts children and young; hampers global education, health, and research, which is needed to steady-recovery the education-system by preparing the moral-education, regular activity-based online and offline shifting-digital-teaching-learning process, ICT-infrastructure and facilities, procedure and active involvement of learning, and need to tackle inequalities outside- and inside- the digital-classroom, vaccine-nationalism-equity-passport for all students, parents and family member also, school-dress-fumigation, nutritious-biomedicine-midday-meals- ginger-drinks, modern green-infrastructure and -facilities, forming the 'Common-Ecofriendly-Complex-Ecosystem', enriching the joyful-teaching-learning-process and environment, biodiversity conservation, agriculture, science-technology-communication, socio-economy-welfare, where keynote-species-owl, and bat secrets of immunity could confirm the clues to treating-COVID-19, developing the future-policy; the common-theme-"Vision-2040" fulfilling the "New-Normal 21st-Century-Futuristic-Green-Digital-School-Health Prevent Reinfection-Coronavirus-2 by Vaccine-Nationalism-Equity-Passport Bio-Medicinal-Meals-Ginger-Drinks!", preventing transmission pandemic, future social- and academic losses, the digital-green-moral-teaching-learning and green-infrastructures form a common ecofriendly complex ecosystem for the futuristic school, and ultimately the 'School will be the Mirror of the Society Again'.

Received 3 May 2021

Accepted 19 May 2021

Published 31 May 2021

### Corresponding Author

Dr. Subhas Chandra Datta, [dattasu\\_bhas@rediffmail.com](mailto:dattasu_bhas@rediffmail.com)/[subhaschandra.datta@gmail.com](mailto:subhaschandra.datta@gmail.com)

DOI [10.29121/granthaalayah.v9.i5.2021.3936](https://doi.org/10.29121/granthaalayah.v9.i5.2021.3936)

**Funding:** This research received no specific grant from any funding agency in the public, commercial, or not-for-profit sectors.

**Copyright:** © 2021 The Author(s). This is an open access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

**Keywords:** SustainableReopeningSchool, PreventingReinfectionCoronavirus2, VaccineNationalism, EquityPassport, GingerDrinksBioMedicinalMidDayMeals



## 1. INTRODUCTION

In the New-Normal situation, the pandemic-new variant of long-SARS-Co-2 not only changes the human civilization but also badly hampers children-and-young [Datta \(2021e\)](#), [Datta \(2020a, 2020b, 2020c, 2021a, 2021b, 2021f, 2021g\)](#) global education, health, and research, which creates the crisis of dropout, economic, health, traffick-ing, and violence with psychological effects on students, teachers, academic mother, and scientist, and families, and risk of early marriage, early pregnancy, poverty, and increases of child labor also. Some non-governmental school teachers are in tension regarding their non-received salaries or losing a job also. So it is needed to recover the education system and 'lost learning' among students after the pan-demic, by preparing children for life (moral real education without fear of exam-inations), and the infrastructure and facilities in the educational place, procedure and active involvement of learning, and need to tackle inequalities outside (home or communities), as well as inside, the classroom. Now it is emphasized to reopen the schools and to reorient by developing policy-initiative for the preventive mea-sures against "21st century-various-human-diseases like COVID-19-Pandemic", due to great loss of lives and transmission or reinfection of coronavirus or long COVID-19 [Datta \(2021e\)](#), [Datta \(2020c\)](#), [Datta \(2021g\)](#), [Datta \(2020b\)](#), [Datta \(2020a\)](#), [Datta \(2021f\)](#), [Datta \(2021b\)](#), [Datta \(2021a\)](#).

## 2. MATERIAL AND METHODS

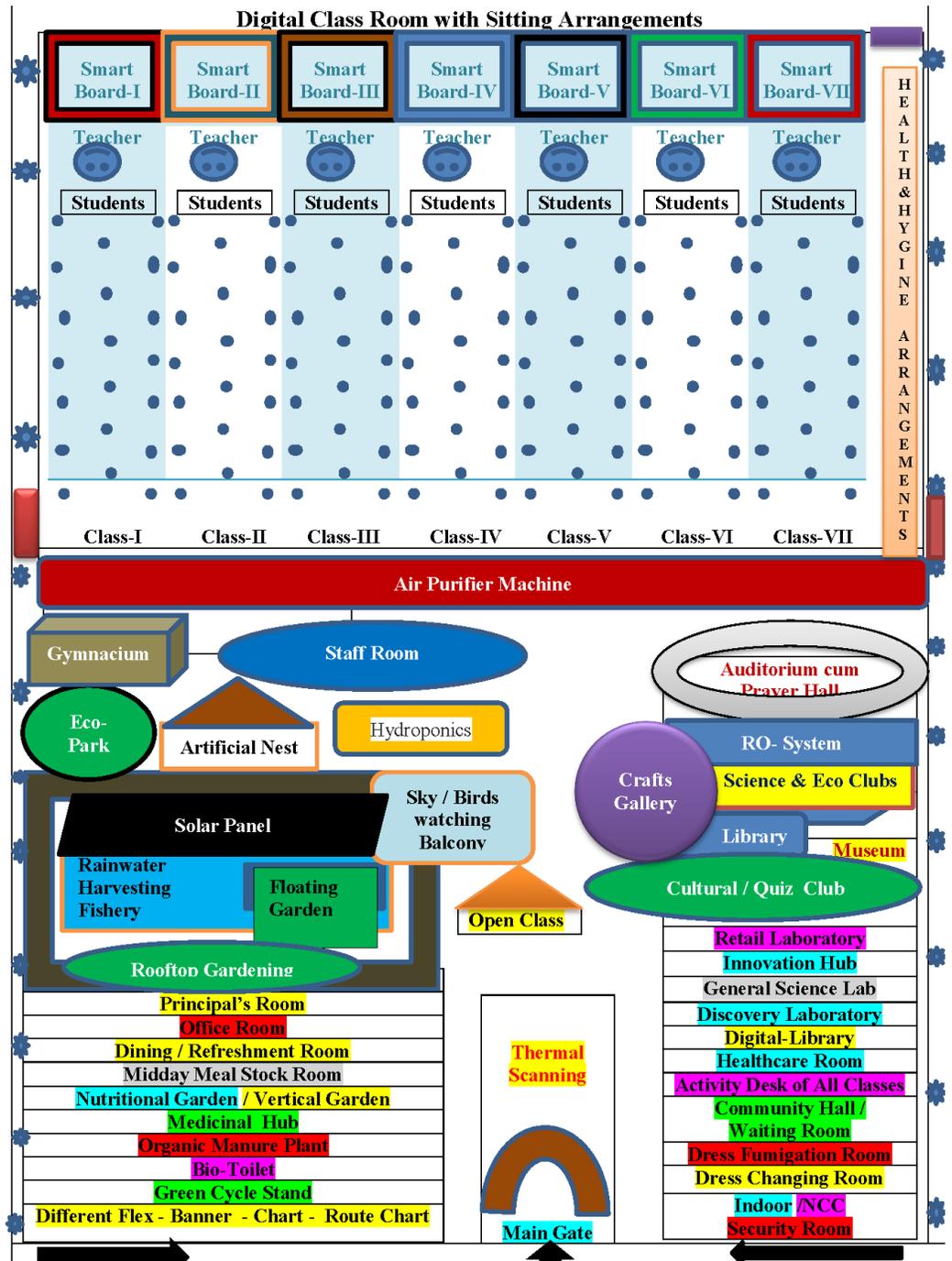
The recent school (Fig 1) will be set up a recovery-plan with health and hygiene of post-pandemic free-Wi-Fi hotspots ICT-based regular digital teaching and learning process; by the 2-3 hours digital-or green open-or shifted-class mixing on-line (40-50%) and 3-2 hours activity based off-line face-to-face instruction (60-50%) totaling 5 hours class with proper fumigation of school, wearing fumigated-dress, physical distance sitting arrangements, preventing overcrowding, and attaching air purifier for fresh air room ventilation, revised green digital shifted-routine (at least 50% present in school for digital as well as activity based offline green class, and other 50% will be followed class from home), ICT-infrastructure, connectiv-ity, broad-band access, free supply-able and available of devices such as laptops or desktops or tablets, mobile phones, ed-tech support and ed-tech training for all teachers, students and even communities also, scope of school midday meal with nutritious weeds-vegetables-fruits-food as biomedicine midday meal with ginger-drinks to all by increasing budget of education and proper use of educational fund, stipends, health check for screening testing to rapidly identify and isolate asymptomatic infected individuals, and mentoring of students, active involvement of local communities, administration and collaboration with NGO (non-government organizations), and vaccinating all the students, teachers, and parents and com-munities for 'Vaccine-Nationalism-Equity-Passport', RO-system for drinking water, school-dress fumigation- and changing- room for all, big prayer hall cum auditorium,

big community hall cum waiting room with digital or e-library, bio-toiles with big washing room, green cycle stand, library, museum, green-gymnasium, different craft gallery, innovation hub, discovery laboratory with different basic laboratories, robotic laboratories, different science and cultural clubs, healthcare and retail room, eco-park, rainwater-harvesting with fishery and floating-gardening shaded by solar-panel OR covered by wire net with hanging artificial-nests, OR rooftop- or vertical- gardening or hydroponic attached with bird's- or sky- watching balcony, different types of artificial-nests in the building as well as in the trees with health and hygiene painting, medicinal- and nutritional-garden with organic manure plants, forming the 'Common-Ecofriendly-Complex-Ecosystem' with landscaping by trees, garden, midday-meals, store-grains reservoir's, indoor, security room with watch tower, route-chart and different awareness of health and hygiene poster / flex / chart / banner etc., which emphasis on the development of human being — intellectual, physical, emotional, aesthetic, and moral — in an integrated manner in the community also. Teachers always apply up-to-date appropriate innovative and creative methods using MTL (Materials for Teaching Learning) like cartoon or computer-game play etc., to promote the learning process by attracting the student academically and socio-emotional enthusiasm. And maintain all COVID-19 protocol, rules, and regulation safety measures, preventing transmission of the virus among the students, teachers, and local communities [Datta \(2021e\)](#), [Datta \(2020c\)](#), [Datta \(2021g\)](#), [Datta \(2020b\)](#), [Datta \(2020a\)](#), [Datta \(2021f\)](#), [Datta \(2021b\)](#), [Datta \(2021a\)](#).

### 3. RESULTS AND DISCUSSION

The 'Common-Ecofriendly-Complex-Ecosystem'; the different types of animals with the regular students, teachers, guardian-communities, administrator, and visitors, will create the 'Joyful-Environment' with the enriched relationship between schools, parents, and their children, and help to build a brighter future for young people and our society as a whole, and the owls apparently act as a social keystone-species within these food-chain-relationships, consuming rats spoiling food of mid-day-meals, store-rooms, papers, and documents, etc., and the bats make the building dirty by excreta. And it arouses the attraction of locality on ecology-food-chain-relationships-issues and improves sustainable-fishery, and kitchen-garden-management, micro-and macro- climate issues, and community health, and it plays the role of the simplest carnivore, predated on juveniles and bats [Datta \(2021e\)](#), [Datta \(2020c\)](#), [Datta \(2021g\)](#), [Datta \(2020b\)](#), [Datta \(2020a\)](#), [Datta \(2021f\)](#), [Datta \(2021b\)](#), [Datta \(2021a\)](#).

The following reasons may be very useful for Ginger-Drinks-Bio-Medicinal-Mid-Day-Meals; use as medicines for the presence of effective phytochemical constitutions and pharmacological activities, and preventing many medical complications, non-toxicity with no side effects, and high efficacy, and some vaccines are made from its phytoconstituents, cost-effectiveness, easily prepare-able, easily available,



**Figure 1** Diagrammatic representation of 21st century new normal school

easily manufacture-able, equitable, and supply-able, etc. [Datta \(2021e\)](#), [Datta \(2020c\)](#), [Datta \(2021g\)](#), [Datta \(2020b\)](#), [Datta \(2020a\)](#), [Datta \(2021f\)](#), [Datta \(2021b\)](#), [Datta \(2021a\)](#), [Datta \(2021i\)](#), [Datta \(2021c\)](#), [Datta \(2021d\)](#), [Datta \(2021h\)](#).

#### **4. CONCLUSIONS**

The 'Common-Ecofriendly-Complex-Ecosystem' with modern green-infrastructure and -facilities, will enrich the joyful teaching-learning-process and school health; environmental-sciences, biodiversity, agriculture, technology-communication, socio-economy-welfare with Joyful-Environment, where owls act as social keynote species, and bat secrets of immunity could confirm the clues to treating-COVID-19, developing the future-policy [Datta \(2021e\)](#), [Datta \(2020c\)](#), [Datta \(2021g\)](#), [Datta \(2020b\)](#), [Datta \(2020a\)](#), [Datta \(2021f\)](#), [Datta \(2021b\)](#), [Datta \(2021a\)](#), [Datta \(2021i\)](#), [Datta \(2021c\)](#), [Datta \(2021d\)](#), [Datta \(2021h\)](#); the theme "Vision-2040" that fulfill the "New-Normal 21st-Century-Futuristic-Green-Digital-School-Health Prevent Reinfection-Coronavirus-2 by Vaccine-Nationalism-Equity-Passport Bio-Medicinal-Meals-Ginger-Drinks!" preventing the coronavirus like future pandemic also, and schools will help ensure the future model research, social-and-academic-welfare within a field or explain potential interdisciplinary importance regarding new advances and fresh insights, join a global community concerned with advancing the health and wellbeing of people worldwide and achieving the right to health, health equity, and social justice, and ultimately the 'School will be the Mirror of the Society Again'.

#### **5. ACKNOWLEDGMENT**

I am thankful to the eminent Physician Dr. Ranjan Mukherjee, MD, District Coordinator of Sishu Sathi Scheme at Department of Health and Family Welfare, Government of West Bengal, India, and Dr. Dipanitwa Malik, M.B.B.S., Burdwan Medical College & Hospital, for inspiration, treatments, and help. I express my deep gratitude to Mr. Rakesh Khan, Secretary, and Mr. Subhendu Bose, President with all Young Green-Members of the "International NGO named Burdwan Green Haunter and Students' Goal" for arranging to many awareness programs on COVID-19. Last but not the least; I am thankful to the eminent educationist Sri Tapaprakash Bhattacharya for inspiration and guidance.

#### **REFERENCES**

Datta, S. C. (2020a). Artificial-Nest Rainwater-Harvesting with Fishery and Floating-or-Rooftop-Gardening Act as 21st Century Civil-Engineering COVID-19 Epidemic-Model: Improved Biodiversity Agriculture Socio-Economic Environmental-Sciences Technology-Communication. *Journal of Civil Engineering and Environmental Sciences*, 6(2), 22-036.

- Datta, S. C. (2020b). Improved Science and Technology Communications: Barn Owl Act As Social Vaccine Against COVID-19. *International Journal of Latest Research in Science and Technology*, 9(3), 6–13.
- Datta, S. C. (2020c). Weeds-Vegetables and Fruits Act as Potential Biomedicines against COVID-19: Enriched Agriculture Biodiversity Socio-Economy Science Technology Communications by Controlling Plants Diseases. *J. Exp. Biol. Agric. Sci*, 8, 139–157.
- Datta, S. C. (2021a). 21st-Century Preventive Non-Medicinal-COVID-19-Students-Model: Improved Med Life Clinics Sciences Technology Communication. *Med Life Cl*, 3(1), 1029–1029.
- Datta, S. C. (2021b). Amaranth Plant Protects Climate-Health-Development Socio-Economy Sciences-Technology-Communication: Act as Potential Biomedicine-Vaccine against Plant and 21st Century-Epidemic COVID-19 Diseases. *Expert Opinion Environ Biol*, 10, 1–1.
- Datta, S. C. (2021c). Dinna Nath Das-Middle English School and -Dispensary Act As a Model: The 21st-Century-Coronavirus-2 Resistance-Futuristic-Common-Ecofriendly-Complex-Green-Digital-School-Health-Ecosystem by Bio-Medicine-Vaccine-Nationalism-Equity-Passport. *SunText Rev. Arts Social Sci*, 2(1), 117–224.
- Datta, S. C. (2021d). Emergency Application of Ultra-High-Diluted-Biomedicines as Vaccine-Nationalism-Equity-Passport Preventing-Coronavirus-2: Developed Medical Health Clinical Research Science Technology Communication! *Medico Res. Chron*, 8(2), 132–135.
- Datta, S. C. (2021e). High-Diluted Pharmacological-Potential Biomedicines Prevent 21st Century COVID-19 Like Pandemic: Improved Drugs-Research Biodiversity Agriculture Socio-Economy. Editorial. *American Journal of Pharmacology*, 4(1), 1031–1031.
- Datta, S. C. (2021f). Only Environmental Science Act as Natural Biomedicine Preventive Epidemic Model of 21st Century Pandemic Diseases! Editorial Note. *Environmental Science Indian Journal*, 17(1), 177–177.
- Datta, S. C. (2021g). Students Act as 21st Century Preventive-Pandemic-COVID-19 Model: Improved Advance-Clinical-Toxicology Biomedicine Green-Socio-Economy Science-Technology-Innovations. *Adv. Clin. Toxicol*, 6(1), 205–205.
- Datta, S. C. (2021h). Vaccine-Passport Bio-Medicinal-Meals Prevent Reinfection-Coronavirus-2: Improved Global-Health-Clinical-Drug-Discovery-Education-Research Socio-Economy-Science-Technology-Communication-Application! *Aditum. J. Clin. Biomed. Res*, 2(3), 1–7.
- Datta, S. C. (2021i). Weed-Plant Act as Vaccine against Plant-and-COVID-19 Diseases: Enriched-Agriculture-Health-Development Socio-Economy Sciences-Technology-Communication-Application. *Int. J. Phar. Sci. Cl. Res*, 1(1), 1–17.