Role of Teachers as a Leader to Develop Environmental Awareness among Students for a Sustainable World

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Role of Teachers as a Leader to develop Environmental Awareness among Students for a Sustainable World

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ABSTRACT

The purpose of this study was to conduct an online survey regarding people's experiences and perceptions related to online classes and environmental awareness. Delivery of classes through online mode & using many virtual platforms to share a concept is now a new normal situation in India after the Covid-19 outbreak and lockdown situation. Now in India, different ed-tech platforms are providing services for Board, College, and University level examinations as well as various competitive examinations. A huge number of children, as well as adult learners, are using their platform to get success. Whether online education is good or not is a constant dilemma but nowadays, one of the most important issues is climate change, and we are hoping for a sustainable world through sustainable practice. As trees are considered the most significant source of paper, we may reduce the usage of paper by adopting an online education system. To study people's views a questionnaire (Microsoft Form) link was sent to various colleges and university students as well as guardians over WhatsApp, Facebook, and E-mail. Responses from 72 people are considered in this survey. This online survey method was used for the collection of data. This study shows how can a teacher-leader makes his/her students aware of the environment through proper leadership and administrative style and make both online & offline modes of delivery equally effective. Some suggestions & research questions have also been pointed out in this article to revolutionize the teaching & learning process along with the thought of environmental protection.

Keywords: - Covid-19, lockdown, online education, ed-tech platforms, climate change, sustainability.

CHAPTER ONE

INTRODUCTION

In March 2020, World Health Organization (WHO) declared covid-19 as a pandemic [1]. Due to the outbreak of the disease, many countries have declared lockdown. Among various sectors, one of the most important sector that is affected is education. To manage students and for completion of the syllabus, many educational institutes, schools, colleges, and universities have declared online classes [2]. Even though the country has been adapting to new-age learning, there are so many obstacles to achieve entire success as only 45 crore people of our total population of the country have access to the internet/e-learning. The people residing in rural areas are still very much affected due to a lack of technologies, connections, smart devices and therefore hampering the cause of online education. The Covid-19 pandemic taught the entire society how necessary is for educational institutions to adopt online learning and introduce a virtual learning culture. The pandemic has been steering the education sector forward with technological innovation and advancements [3]. Differences between traditional education & online learning are listed below.

| Traditional Education | Online Learning |
|---|--|
| Requires less discipline but imposes more structure | Requires discipline on the part of the student, but allows the student to create his or her own structure. |
| Demands a heavy schedule | Allows for more flexibility |
| Creates a specific lifestyle | Gives the student control over his or her lifestyle |
| Fosters competition | Fosters personal growth and development |
| Emphasis on school spirit and unity | Emphasis on learning specific skills |
| Extremely costly | Extremely affordable |
| Suited more for younger students | Suited for students of all ages |
| Restricts available time | Allows more time for work and family |
| Requires a physical geographical location | Permits students to travel |
| Rigid deadlines | More flexibility |
| Direct contact with students and educators | Online contact with students and educators |
| Access to campus activities and services | Access to endless online materials |
| High demands on time | Low demands on time |

Fig. 1: Difference between traditional education & online education

Though online education, training, skill development, and certificate courses are new-age learning methods following are some advantages & disadvantages.



Fig. 2: Advantages & disadvantages of online learning.

Apart from everything, one most important thing is that online education does not need any kind of paperwork. Thus, we can reduce the cutting of trees by practicing it in an effective way as trees are considered the most important source of paper [4]. Not only that, but quality education may also reach every corner of the world through this mode of learning. Whether online education is good or bad for us is a constant dilemma but practicing it in an effective way may satisfy sustainable development **goal number 4** which is about "Quality Education" and **goal number 13** which tells about "Climate Action".

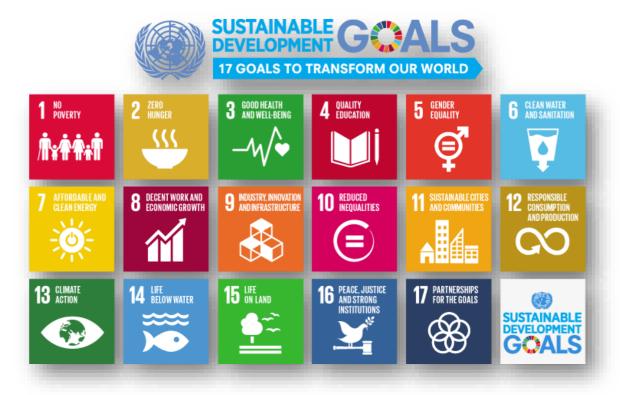


Fig. 3: Sustainable Development Goals

Nowadays, as pollution and climate change are burning phenomena, we must think about a green future to restore our degraded ecosystem. There are so many causes that must be set off.

Our ever-increasing addiction to electric goods, modern car culture, appetite for globally sourced goods, methane emissions, deforestation, increase usage of chemical fertilizers, and ever-increasing human population are a major cause in this respect. As a result, we all face different problems. Global warming and climate change may lead to storms, widespread flooding may result in financial loss, low summer flow of many rivers results in concentrated polluted enriched fresh water in the river and therefore different aquatic species are lost and biodiversity is greatly affected. Higher temperature expands seas and oceans, changes in weather will affect the types of crop production, pollution causes various epidemics and many more. Every anthropogenic activity has some impact on the environment. More often it is more harmful to the environment than begin [5]. However, mankind, as it is developed today, cannot live without taking up these activities for food, security, and other needs. Consequently, there is a need to harmonize developmental activities with environmental concerns.

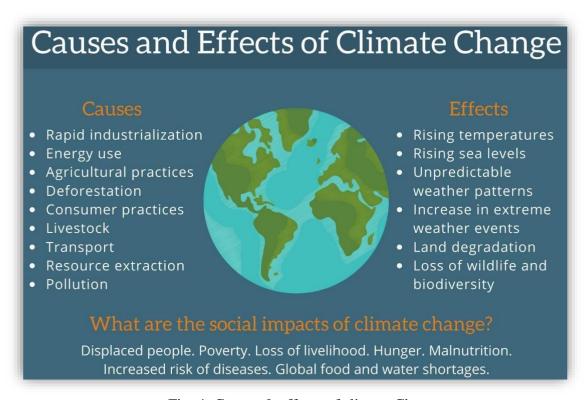


Fig. 4: Causes & effects of climate Change

CHAPTER TWO

OBJECTIVE

The main objective of the study is to focus on the quality traits of new-age education leaders & administrators who can make online education very effective in a sustainable approach besides the traditional mode keeping in mind about the environmental concerns & climate change issues. How new-age teacher leaders can make awareness about the environment among students is also a part of this study.

CHAPTER THREE

REVIEW OF LITERATURE

To perform this research many research works have been studied that have already been done in the same domain. Their description and abstract summary have been listed below. In a study published in the year July 2020, Naman, Khatak, Poonam has shown how online and offline modes of education are corelated and what are the specific challenges for Indian educators as well as students [2]. Apeksha R Kanojiya (Nov 2020) has reported how online learning has impacted the children in the state of Maharastra, India due to covid-19 [6]. Vikram Jadav & associates (May 2020) has reported on students' role to look at Problems during covid-19 in the education system during lockdown issues in Maharashtra, India [7]. In a study, Singh, Gautam, Patni, & Nautiyal reported on impact assessments in the higher education sector due to covid 19 [8]. Shrivastav, Singh & Singh has also reported about the impact of covid-19 in the higher education sector of India [9]. A work on the acceptability of challenges has also been reported by Bhist, Jasola & Bhist [10]. A comparative study on the environment for e-learning, online learning & distance learning has also been cited to perform this research which was reported by Moore, Dickson-Deane & Galyen in the year 2011 [11]. Kundu & associates have reported on the flourishing scenarios of the elearning industry due to covid -19 pandemic in India. [12]. Verma, Verma, Garg & Godara jointly reported about the perspective of medical students for e-learning [13]. In a newspaper article in India Today Singhal has reported why offline teaching is far better than online teaching in India [14] & Dutta, D. A. (2020) wrote an article about impact of digital social media on Indian Higher Education & what should be the alternative approaches of Online Learning during COVID-19 [15]. Though online education has become new normal, there are so many problems faced by student communities related to connection, health etc. Many studies have been performed for this purpose. Lissak, G. (2018) has worked on the adverse physiological and psychological effects of screen time on children and adolescents [16]. Chang et al. (2018) published a work on computer/mobile device screentime of children and their eye care behavior: the roles of risk perception and parenting [17]. Moravec, T et.al in the year 2015 has published an article regarding the influence of using e- learning tools on the results of students at the tests [18]. In a work, Liaw, S. S. (2008) investigated about student satisfaction, behavioral intention, and effectiveness of e-learning [19]. Kulkarni & Bhore (2019) worked on the effects of electronic gadgets (Television, Mobile Phone and Computer) on health status among secondary school students in some selected districts of Maharashtra [20]. Undoubtedly, there are so many articles regarding the practice of online teaching. Martin, Budhrani, Kumar & Rajput in the year 2019 has reported about the strategies of good online teaching practice in an article that is cited to perform this research [21]. Hartis reported the effectiveness of blended learning [22], Sun & Chen (2016) have reported on online education and its effective practices [23]. Moreover, as the main objective of my study is to find out the relation between online education and sustainability through effective leadership practice many studies have also been cited. A brief study about climate change education published by Stevenson & associates (2017) has helped to understand the moral feeling about climate and how effective teaching practices can motivate students to do something about climate [24]. Olsson, Gericke & Pauw reported the challenges of sustainability education in their study named "The effectiveness of education for sustainable development revisited - a longitudinal study on secondary students' action competence for Sustainability"[25]. James Taylor & Maria De Lourdes Machado has shown us how to make effective strategic planning for higher education administration & leadership [26]. A brief scenario of global online education has been reported by Palvia et al. (2018) [27]. Danelia Tilbury in an article redefines environmental education for sustainability [28]. Tilbury in another book chapter also reported on the forces that are much required in higher education for sustainability [29]. John Huckle has focused on theoretical aspects of environmental education& sustainability [30]. Michael Bonnet in an article wrote about the frame of mind in response to sustainability [31]. Tilbury, Coleman & Garlick in a book chapter wrote a review about environmental education and its contribution to sustainability in Australia [32]. These studies helped me a lot to plan this research.

CHAPTER FOUR

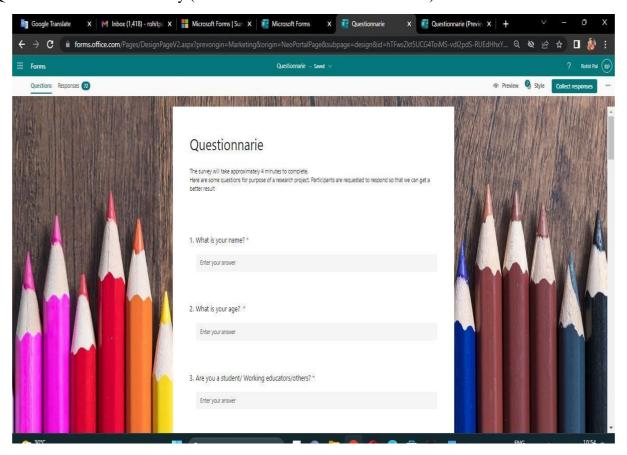
METHODOLOGY

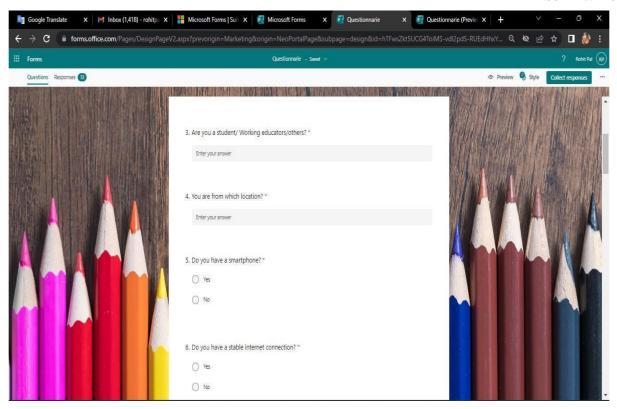
This research was conducted by an online survey over Microsoft Forms and it was circulated through What's App and e-mails, and telegram groups. The response of each participant was collected using a linked survey which was automatically generated and recorded. However, those who failed in completing the survey were excluded from the analysis.

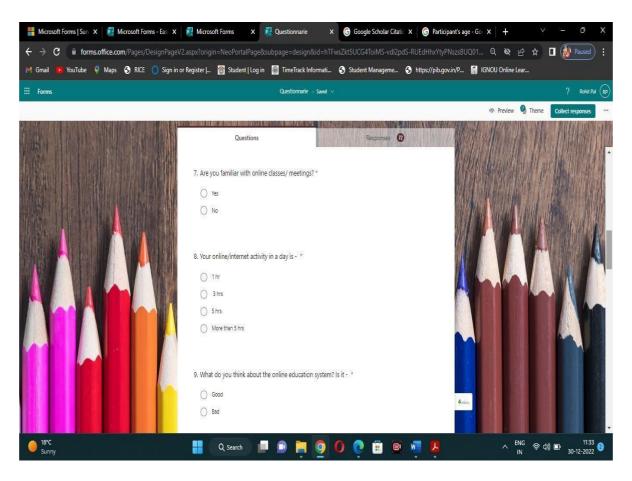
The range of the age of participants was 15 to 75 years. No other demographic variable such as ethnicity, socio-economic class, or residence was considered in the present study. The questionnaire included 20 questions covering psychological, health, and technical aspects and was applied to a sample consisting of 72 participants which in turn reflects the major population of students, faculties, and parents of school-going children. The survey was developed using the free software "Microsoft Form" and the further results were analyzed using MS Excel. Questions were asked in the form of multiple-choice & opinion-based formats. There were no right and wrong answers but it was made to analyze the overall opinion. After collecting the data, every question percentage was calculated. Respective graphs are prepared by using MS- Excel.

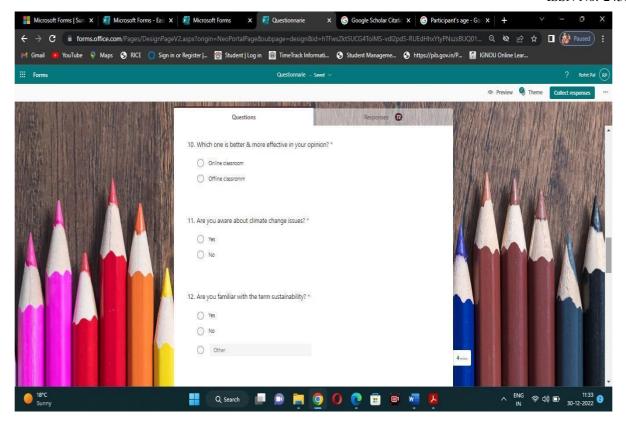
The link of the questionnaire is given below- https://forms.office.com/r/7Pg1NfdKmA

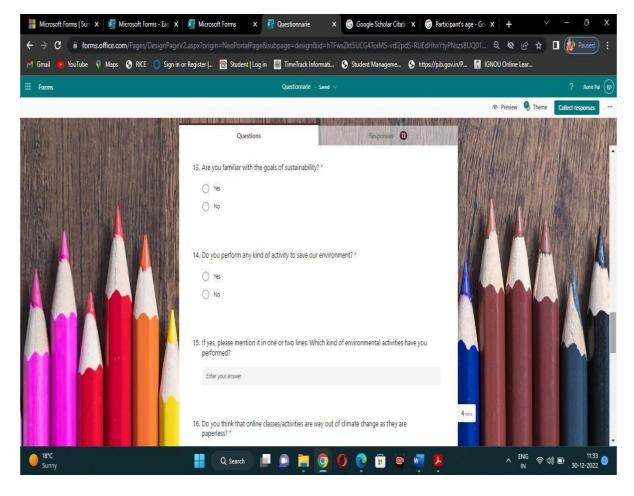
Questions asked in the survey (attached in the form of 7 screenshots)

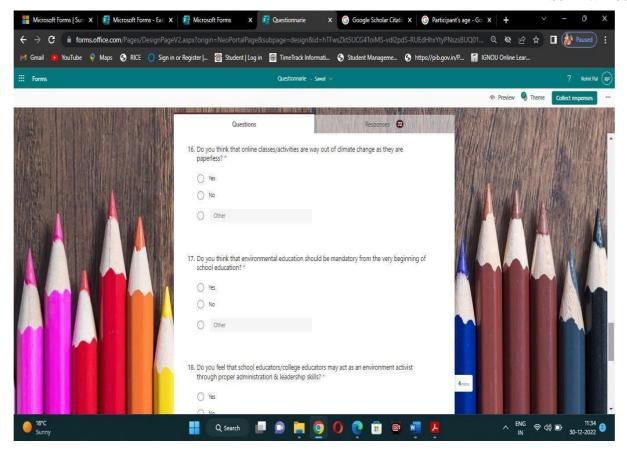


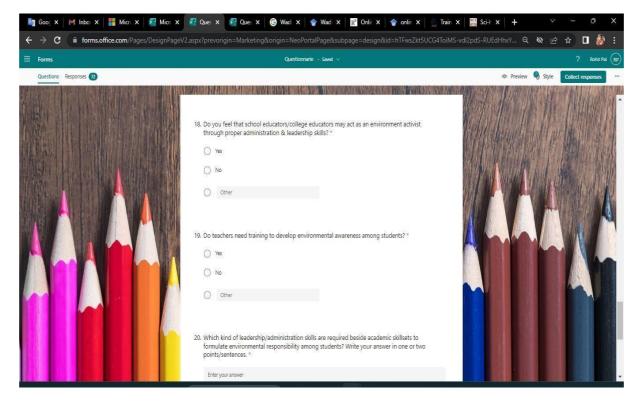












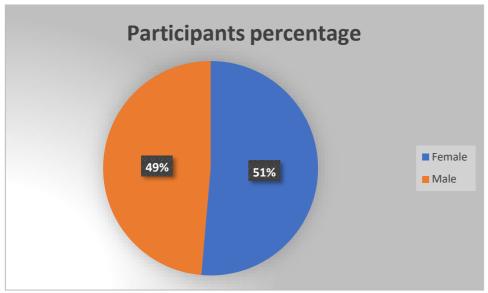
To analyze the viewpoint of students, teachers, and parents about online teaching, to find relative awareness of the concept of online education and offline education, and to analyze the drawbacks of implementing online education and its correlation to environmental issues werethe ideas behind this study.

CHAPTER FIVE

RESULTS ANALYSIS

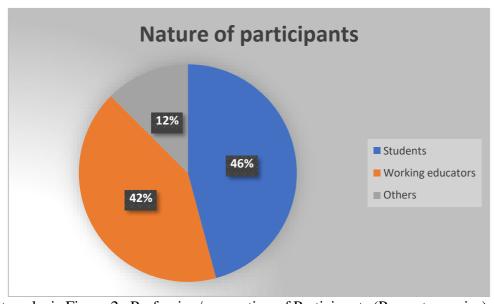
The result of the online survey is as follows.

A total 72 participants were taking part in this survey. Out of them 37 were females and rest 35 are males.



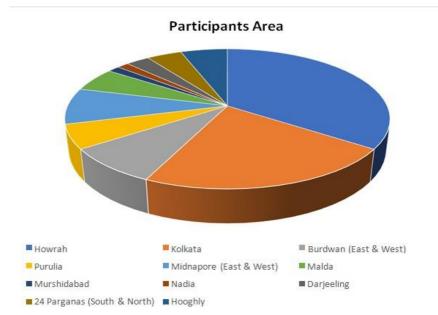
Result analysis Figure 1. Participants Percentage

Out of 72 participants, 33 were students, 30 were working educators, and 9 marked them as others.



Result analysis Figure 2. Profession/occupation of Participants (Percentage wise)

Out of 72 participants, 25 responses were collected from the Howrah district, 16 from Kolkata, 6 from East & West Burdwan, 4 from Purulia, 6 from East & West Midnapore, 4 from Malda,1 from Murshidabad, 1 from Nadia, 2 from Siliguri of Darjeeling, 3 from South & North 24 Parganas & 4 from Hooghly district of West Bengal, India.



Result analysis Figure 3. Area of West Bengal where from responses were collected

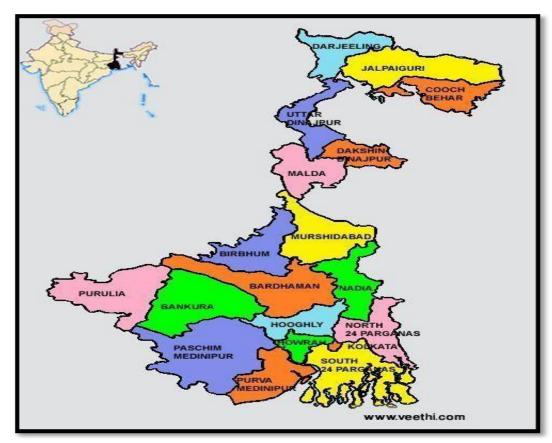
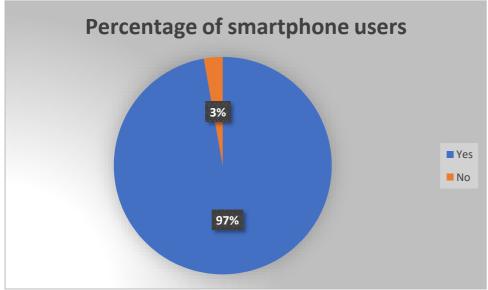


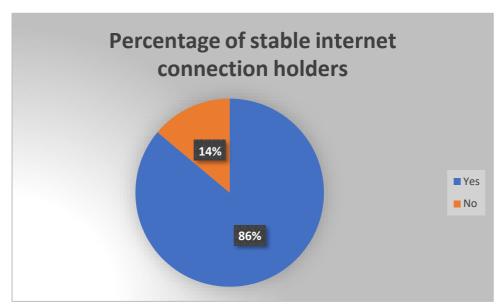
Figure 5: District-wise map of West Bengal, India

Out of 72 participants, 70 people said they have smart phones whereas the rest 2 people do not have a smartphone.



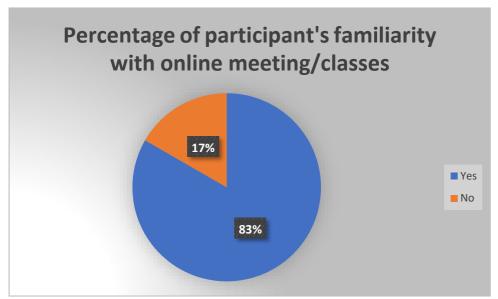
Result analysis Figure 4. Smartphone users among the participants

Among the participants, 62 people have reported that they have a stable internet connection whereas rest 10 people do not have stable internet connection.



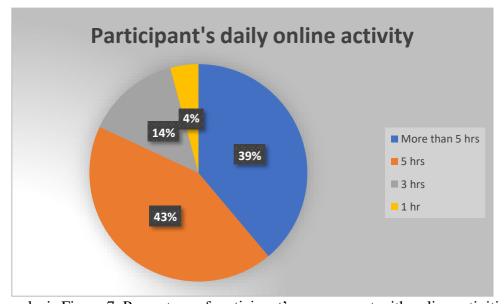
Result analysis Figure 5. Percentage of stable internet connection holders among participants

60 participants responded that they are familiar with online meetings whereas the rest 12 people are not familiar with various online meeting platforms like Zoom, G-meet, Cisco-Webex, MS-Teams, etc.



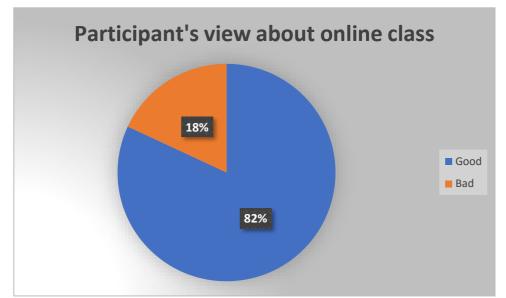
Result analysis Figure 6. Percentage of participant's familiarity with online meetings

To know participants' engagement with online internet activity four options were set in the Microsoft form. They were 1 hr, 3hr, 5 hr, and more than 5 hrs. 28 people have responded that they are using the internet for more than 5 hrs a day, 31 people have responded 5 hrs a day, while 10 people are using it for almost 3 hrs a day and 3 people said they are using it for 1 hr.



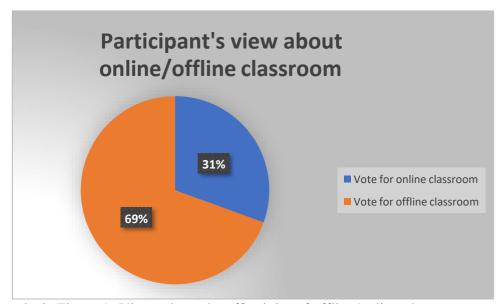
Result analysis Figure 7. Percentage of participant's engagement with online activities

To know about participant's view about online classrooms a question was also set. 59 people have said it is good whereas 13 people have said it is bad.



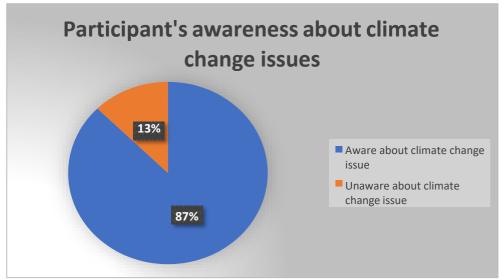
Result analysis Figure 8. Views about online classroom system

A comparison question for both online & offline classroom systems was also set. For that question, 50 people responded that an offline classroom system is more effective and better rather than an online classroom system.

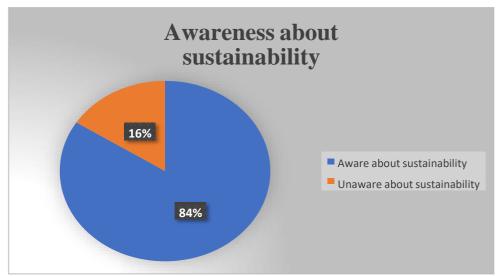


Result analysis Figure 9. Views about the effectivity of offline/online classroom system

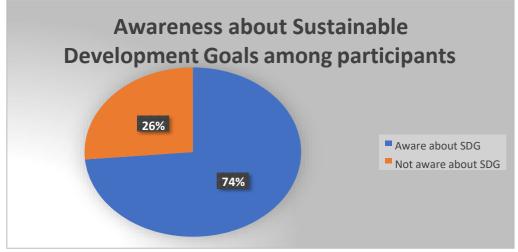
To know about participants' views on climate change issues a question was also set. Out of 72,63 people said that they are aware of climate change issues whereas 9 are not aware of it. Moreover, a question was also set to know about participants' views on sustainability and sustainable development goals. 58 out of 72 has responded that they are aware about sustainability whereas rest are not aware. 53 respondees are also aware about the goals of sustainable development proposed by UN.



Result analysis Figure 10. Views about the climate change issues among participants

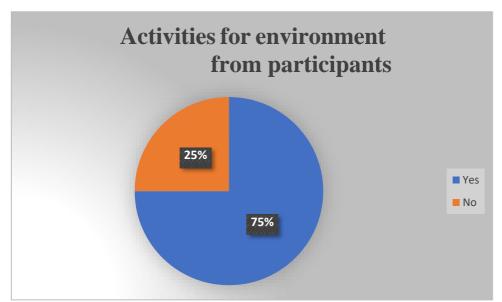


Result analysis Figure 11. Awareness about the term "Sustainability" among participants



Result analysis Figure 12. Awareness of "Sustainable Development Goals" among participants

To know about the activities of the participants about environment a question was also set. 54 of them have said yes, they perform something to save our environment. This includes planting trees, recycling various materials, accessing public & sharable cars instead of using private cars, maintaining a roof garden, becoming vegetarian, refusal of plastic bags, using bio-degradable elements etc.

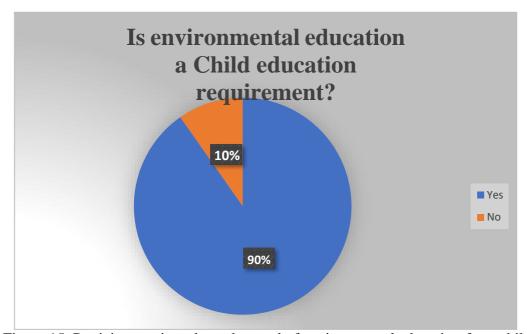


Result analysis Figure 13. Percentage of participants who are doing something for our environment

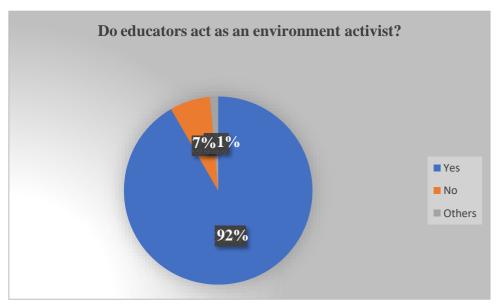
As we all know, paper is produced from trees so online classes can reduce the usage of paper. To know people's views a question was set again. 62 participants said that they think online education is a way of sustainable practice. But to implement something, we all know that a habit is required. So, 65 participants said that they think environmental education is required from the very beginning of the school level. Not only that, 66 participants said that school educators/college educators may act as environment activists through proper administration & leadership skills.



Result analysis Figure 14. Participants view about online education & concept of sustainability



Result analysis Figure 15. Participants view about the need of environmental education from childhood



Result analysis Figure 16. Do educators act as an environmental activist?



Result analysis Figure 17. Do teachers need training to develop environmental awareness among students?

CHAPTER SIX

DISCUSSION

Distance learning as well as online education can continue as the new normal in education [33]. Nowadays, busy professionals are also increasing various soft skills for their job or industrial needs. In our study, 97% of the participants are smart phone users. Specifically, after the lockdown smartphone usage has increased all across the globe [34]. As per a study, the eyes are most affected by the use of smartphones because the blue light emitted by the screens is responsible for disturbing the sleep cycle. Excessive screen usage was linked with various diseases like high blood pressure, diabetes, vision loss, and joint issues in children and adolescents [35]. But to cope with the new normal, examinations pattern & office work many of us have installed a 24*7 internet service to make ourselves alive during the pandemic. In my study, I found that 86% of the people have a stable internet connection in their homes & 83% of people are familiar with various online meeting platforms for class/meeting purposes. Moreover, 39% of people need internet for more than 5 hrs in a day & out of that 82% of people are flexible and reported good feedback about the online classes/meetings. Though 46% of participants are students and they reported offline space is more effective than online. Many research also reported that, for the student community as well as for the growing learners offline is more effective than online as it is live interactive and the way of learning something is much more impactful in offline space [36]. Online education is a new need but I think we all know that it has no such paperwork. Papers are made from trees. So, by practicing online education, online exam, etc. we can make education and resource consumption very cost-effective which is of utmost necessity for a sustainable future. Moreover, online education can lead to a new horizon for the economy of a specific country [37]. To know more about the concept of climate change among participants a question was also set. 87% of people are aware of various climate change issues whereas 84% of people are aware of the concept of sustainability. 74% are also aware of various sustainable development goals. 75% of people are involved in various environmental protection activities. 86% think that online education is one kind of practice of sustainability and 90% think that environmental education is a need of childhood education also. The role of a teacher gets diversified when it comes to online teaching, he or she needs to be a content creator, subject matter expert, mentor, and course designer too [38]. In a study, it was observed that students who were taught through the blended mode of education i.e. combination of offline and online modes had significantly better results than students who were solely taught in classrooms by traditional methods [39]. Moreover, my study is based on new- age education for sustainability. some questions were set to know the view of participants about the role of educators in environment protection. 92% of participants say that educators may act as environmental activists whereas 94% of people thought that teachers must need training to develop environmental awareness among his/her student's community. As per an article published by Mercedes Varela-Losada, Azucena Arias-Correa & Pedro Vega-Marcote [40], Higher Education needs to be redirected to train citizens to be able to make responsible decisions and act in a sustainable way. This requires educational initiatives promoted by educational institutions to redirect teacher training toward sustainability. In a study performed in Spain, Mercedes Varela-Losada & others have also shown how can teachers be encouraged to commit to sustainability [41]. One article published in the Gurdian showed about protests made by teachers to demand the national curriculum be reformed to make the climate and ecological crisis an educational priority [42].

CHAPTER SEVEN

LIMITATION

Not all teachers are the same. They want to work for our society, for our environment & for our children. But there are so many political, financial, societal as well as infrastructural barriers so they can't work. Further study is required to emphasize these issues and their mitigation for a green world. Moreover, full online education for sustainable practice and its impact on learning or its acceptance in the job market is not reflected in my study. The impact of fully offline, fully online as well as blended learning must be studied separately in a careful way to give an effective and visionary message to every part of our society. On the other hand, pure online is not a solution as a project done by Joana Mall named CO2GLE displays the amount of CO₂ emitted each second to the global visits to Google.com. on (https://www.janavirgin.com/CO2/CO2GLE_about.html). This need to be analyzed furthermore.

CHAPTER EIGHT

CONCLUSION

As of now, environment protection is a matter of concern to all the countries of the world. To save the world from rapid degradation, resource consumption and various other issues, teachers can play a very important role in our society. Online education can act as a powerful tool to make our mother Earth sustainable. New-age teachers must be a good leader as well as good administrator. For that purpose, they must need training. Based on my study, a teacher leader must have the following qualities for a sustainable World.

- He/she must be a strategic thinker.
- Must have a mission & vision.
- Well communicator.
- Must have deepened professional knowledge & refine skills.
- He/She must be enthusiastic, respected & viewed by his/her colleagues, hard-working and must have the ability to manage workload.
- A teacher-leader must develop a sense of the value of the environment among his/her team members.
- A teacher-leader must be concerned about various environmental issues to formulate his/her goals.
- A teacher-leader must have the ability to convince all the students of his team to work toward a common goal.
- His/her students must practice some eco-friendly work & practices for the environment.
- He/She must share incidents or case studies that can encourage students to protect the environment.

The teacher who follows the above-mentioned points easily becomes an environmental activist as well as a savior of our mother nature besides his/her academic skill sets. Last but not the least, undoubtedly teachers are the one who can empower/motivate today's youth to meet tomorrow's challenges.

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ANNEXURES

Response Sheet part-1 (Participants name, profession, location)

| Response Sheet part-1 (Participants name, profession, location) | | | |
|---|--------------|-------------------------------|--------------------------------|
| What is your name? | What is your | Are you a student/ Working | You are from which |
| what is your name: | age? | educator/others? | location? |
| Debashrita Adak | 18+ | Student | Howrah |
| Bidisha Ghosh | 17 | Student | Howrah, kadamtala |
| Sudeshna Shee | 17 | Student | Howrah |
| Sagnika Pal | 18 | Student | Howrah |
| Sayantani Pal | 25 | Working educator | Howrah |
| Sagnikbrata Mitra | 18 | Student | Howrah |
| Saheli Batabyal | 17 | Student | Howrah |
| • | | | |
| Soham Gupta | 19 | Student | Howrah Maidan |
| Ritika Hazra | 18 | Student | Tantipara |
| Samik Banerjee | 27 | Working educator | Howrah, West Bengal |
| Shatavisha Neogi | 18+ | Student | Howrah, Kadamtala |
| Debarati | 16 | Student | Howrah |
| Sreya Pal. | 18 | Yes,a Student | Ramrajatala Howrah |
| Rupanwita Palodhi | 18 | Student | Howrah |
| Parnali Bhattacharjee | 27 | Working educator | Howrah |
| Debobrata Basu | 40 | Working educator | Kolkata |
| Melody Mukherjee | 18 | Student | Howrah |
| Prathama mohish | 17 | Student | Howrah |
| Debojyoti Panda | 40 | Working educator | Burdwan |
| Anuva Das | 35 | Working educator | Siliguri |
| Prasanta Pal | 58 | Working educator | Howrah |
| Shankhapani Dutta | 72 | Others | Kolkata India |
| Rohit Kumar Pal | 27 | Working educator | Howrah, India |
| Shreya Dasgupta | 23 | Student | KALYANI, NADIA, WEST BENGAL |
| Sanjoy Dey | 45 | Working educator | Purulia, West Bengal |
| Debarpita Datta | 22 | Student | Kolkata |
| Shabnam Dutta | 22 | Student | Kolkata |
| Anwesha Pal | 35 | Others | Hooghly |
| Prantika Deb | 38 | Others | Howrah |
| Partha Pratim Bajpayee | 45 | Working educator | East Midnapore, West Bengal |
| Sanatan Ganguly | 55 | Working educator | Hooghly |
| Ahana Mallick | 23 | student | Kolkata |
| Diptarka Roy | 34 | Working educator | Kolkata |
| Chandana Banerjee | 28 | Working educator | Kolkata |
| Rohit Pal | 28 | Working educator | Howrah/India |
| Sayan Basak | 35 | working educator | Burdwan |
| Indrani Mukherjee | 36 | Others | Hooghly |
| marum maknerjee | | O LIPID | 110081113 |

| Karabi Mukherjee 38 Working educator Kolkata Chandrakanta Pal 45 Working educator Kolkata Sreyoshi Banerjee 28 Student Kolkata Pooja Bhandari 24 Student Malda, West Bengal Sangita Mondal 39 Others Burdwan Satyajit Das 42 Working educator Kolkata Krishna Ghosh 25 Student Medinipur, West Bengal Debayan Pal 30 Working educator Medinipur Bikram Pal 24 Student Howrah Suman Chatterjee 47 Working educator South 24 Parganas WORKING PROFESSIONAL- Research scholar cum educator Puja Banik 22 Students Siliguri Shreyasi Ghosh 35 Others South 24 parganas Biplab Sarkar 32 Working educator Kolkata Taniya Mitra 25 Student Medinipur Debayan Pal 30 Working educator Kolkata Taniya Mitra 25 Student Medinipur Debayan Pal 30 Working educator Kolkata Sandipta Majumdar 29 Student Medinipur Debarati Saha 26 Student Medinipur Debarati Saha 26 Student Solutent Rolland Sandipta Majumdar 29 Student Burdwan Sumanjyoti Pahari 38 Working educator Kolkata Preety Mandal 30 Working educator Kolkata Champarani Dey 31 Working educator Kolkata Champarani Dey 31 Working educator Howrah, India Subhankar Sarkar 32 Working educator Purulia Sumahie Purulia, Inida Hittigha Alada 48 Working educator Purulia Purulia India Purulia India Purulia Barerjee 28 Student Purulia Purulia India Purulia India Purulia Barerjee 28 Student Purulia Purulia India | Prachi Sharma | 28 | Student | Hooghly, West Bengal, India |
|---|--------------------|----|-----------------------|-----------------------------|
| Chandrakanta Pal 45 Working educator Kolkata Sreyoshi Banerjee 28 Student Kolkata Pooja Bhandari 24 Student Malda, West Bengal Sangita Mondal 39 Others Burdwan Satyajit Das 42 Working educator Kolkata Krishna Ghosh 25 Student Medinipur, West Bengal Debayan Pal 30 Working educator Medinipur Bikram Pal 24 Student Howrah Suman Chatterjee 47 Working educator South 24 Parganas WORKING PROFESSIONAL- Research KOLKATA Scholar cum educator Puja Banik 22 Students Siliguri Shreyasi Ghosh 35 Others South 24 parganas Biplab Sarkar 32 Working educator Kolkata Taniya Mitra 25 Student Medinipur Debayan Pal 30 Working educator Medinipur Debayan Pal 30 Working educator Kolkata Siliguri Shreyasi Ghosh 35 Others South 24 parganas Siliguri Shreyasi Ghosh 35 Working educator Kolkata Siliguri Shreyasi Ghosh 36 Working educator Kolkata Sudanjurdar 29 Student Medinipur Debayan Pal 30 Working educator Medinipur Debayan Pal 30 Working educator Medinipur Sumanjyoti Pahari 38 Working educator Kolkata Sandipta Majumdar 29 Student Burdwan Sumanjyoti Pahari 38 Working educator Kolkata Preety Mandal 30 Working educator Kolkata Anjali Banerjee 28 Working educator Kolkata Champarani Dey 31 Working educator Howrah, India Surashree Rakshit 37 Others Burdwan Sumi Dey 27 Student Purulia Surashree Rakshit 37 Others Burdwan Sumi Dey 27 Student Purulia Rituparna Tudu 22 Student Purulia Inida Adakash Ghosh 48 Working educator Howrah, India Abdus Salam 23 Student Murshidabad | | | | |
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| Pooja Bhandari 24 | Srevoshi Banerjee | 28 | | Kolkata |
| Sangita Mondal39OthersBurdwanSatyajit Das42Working educatorKolkataKrishna Ghosh25StudentMedinipur, West BengalDebayan Pal30Working educatorMedinipurBikram Pal24StudentHowrahSuman Chatterjee47Working educatorSouth 24 ParganasAheri Bhattacharya29Research scholar cum educatorKOLKATAPuja Banik22StudentsSiliguriShreyasi Ghosh35OthersSouth 24 parganasBiplab Sarkar32Working educatorKolkataTaniya Mitra25StudentMedinipurDebayan Pal30Working educatorMedinipurDebarati Saha26StudentKolkataSandipta Majumdar29StudentBurdwanSumanjyoti Pahari38Working educatorSouth 24 ParganasPreety Mandal30Working educatorKolkataAnjali Banerjee28Working educatorKolkataChamparani Dey31Working educatorKolkataSubhankar Sarkar32Working educatorHowrah, IndiaSumi Dey27StudentMalda, IndiaSumi Dey27StudentPuruliaSumi Dey27StudentPuruliaSohan Murmu27Working educatorPuruliaRituparna Tudu22StudentPurulia, InidaHrichik Bardhan29studentMedinipur | | | Student | Malda, West Bengal |
| Satyajit Das42Working educatorKolkataKrishna Ghosh25StudentMedinipur, West BengalDebayan Pal30Working educatorMedinipurBikram Pal24StudentHowrahSuman Chatterjee47Working educatorSouth 24 ParganasAheri Bhattacharya29Research scholar cum educatorKOLKATAPuja Banik22StudentsSiliguriShreyasi Ghosh35OthersSouth 24 parganasBiplab Sarkar32Working educatorKolkataTaniya Mitra25StudentMedinipurDebayan Pal30Working educatorMedinipurDebarati Saha26StudentKolkataSandipta Majumdar29StudentBurdwanSumanjyoti Pahari38Working educatorSouth 24 ParganasPreety Mandal30Working educatorKolkataAnjali Banerjee28Working educatorKolkataChamparani Dey31Working educatorKolkataSubhankar Sarkar32Working educatorHowrah, IndiaSurashree Rakshit37OthersBurdwanSumi Dey27StudentMalda, IndiaSuharmendra Hansda24StudentPuruliaSohan Murmu27Working educatorPuruliaRituparna Tudu22StudentPurulia, InidaHrichik Bardhan29studentMedinipurPayel Das28Others <td< td=""><td>Sangita Mondal</td><td>39</td><td>Others</td><td>_</td></td<> | Sangita Mondal | 39 | Others | _ |
| Debayan Pal 30 Working educator Medinipur | | 42 | Working educator | Kolkata |
| Debayan Pal 30 Working educator Medinipur | Krishna Ghosh | 25 | Student | Medinipur, West Bengal |
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| Preety Mandal 30 Working educator Kolkata Anjali Banerjee 28 Working educator Kolkata Champarani Dey 31 Working educator Malda Subhankar Sarkar 32 Working educator Howrah, India Surashree Rakshit 37 Others Burdwan Sumi Dey 27 Student Malda, India Dharmendra Hansda 24 Student Purulia Sohan Murmu 27 Working educator Purulia Rituparna Tudu 22 Student Purulia, Inida Hrichik Bardhan 29 student Medinipur Payel Das 28 Others Howrah, India Aakash Ghosh 48 Working educator Burdwan Md Selim 38 Working educator Howrah, India Abdus Salam 23 Student Murshidabad | Sandipta Majumdar | 29 | Student | Burdwan |
| Anjali Banerjee 28 Working educator Kolkata Champarani Dey 31 Working educator Malda Subhankar Sarkar 32 Working educator Howrah, India Surashree Rakshit 37 Others Burdwan Sumi Dey 27 Student Malda, India Dharmendra Hansda 24 Student Purulia Sohan Murmu 27 Working educator Purulia Rituparna Tudu 22 Student Purulia, Inida Hrichik Bardhan 29 student Medinipur Payel Das 28 Others Howrah, India Aakash Ghosh 48 Working educator Burdwan Md Selim 38 Working educator Howrah, India Abdus Salam 23 Student Murshidabad | Sumanjyoti Pahari | 38 | Working educator | South 24 Parganas |
| Champarani Dey31Working educatorMaldaSubhankar Sarkar32Working educatorHowrah, IndiaSurashree Rakshit37OthersBurdwanSumi Dey27StudentMalda, IndiaDharmendra Hansda24StudentPuruliaSohan Murmu27Working educatorPurulia,Rituparna Tudu22StudentPurulia, InidaHrichik Bardhan29studentMedinipurPayel Das28OthersHowrah, IndiaAakash Ghosh48Working educatorBurdwanMd Selim38Working educatorHowrah, IndiaAbdus Salam23StudentMurshidabad | Preety Mandal | 30 | Working educator | Kolkata |
| Subhankar Sarkar32Working educatorHowrah, IndiaSurashree Rakshit37OthersBurdwanSumi Dey27StudentMalda, IndiaDharmendra Hansda24StudentPuruliaSohan Murmu27Working educatorPuruliaRituparna Tudu22StudentPurulia, InidaHrichik Bardhan29studentMedinipurPayel Das28OthersHowrah, IndiaAakash Ghosh48Working educatorBurdwanMd Selim38Working educatorHowrah, IndiaAbdus Salam23StudentMurshidabad | Anjali Banerjee | 28 | Working educator | Kolkata |
| Surashree Rakshit 37 Others Burdwan Sumi Dey 27 Student Malda, India Dharmendra Hansda 24 Student Purulia Sohan Murmu 27 Working educator Purulia Rituparna Tudu 22 Student Purulia, Inida Hrichik Bardhan 29 student Medinipur Payel Das 28 Others Howrah, India Aakash Ghosh 48 Working educator Burdwan Md Selim 38 Working educator Howrah, India Abdus Salam 23 Student Murshidabad | Champarani Dey | 31 | Working educator | Malda |
| Sumi Dey27StudentMalda, IndiaDharmendra Hansda24StudentPuruliaSohan Murmu27Working educatorPuruliaRituparna Tudu22StudentPurulia, InidaHrichik Bardhan29studentMedinipurPayel Das28OthersHowrah, IndiaAakash Ghosh48Working educatorBurdwanMd Selim38Working educatorHowrah, IndiaAbdus Salam23StudentMurshidabad | Subhankar Sarkar | 32 | Working educator | Howrah, India |
| Dharmendra Hansda 24 Student Purulia Sohan Murmu 27 Working educator Purulia Rituparna Tudu 22 Student Purulia, Inida Hrichik Bardhan 29 student Medinipur Payel Das 28 Others Howrah, India Aakash Ghosh 48 Working educator Burdwan Md Selim 38 Working educator Howrah, India Abdus Salam 23 Student Murshidabad | Surashree Rakshit | 37 | Others | Burdwan |
| Sohan Murmu27Working educatorPuruliaRituparna Tudu22StudentPurulia, InidaHrichik Bardhan29studentMedinipurPayel Das28OthersHowrah, IndiaAakash Ghosh48Working educatorBurdwanMd Selim38Working educatorHowrah, IndiaAbdus Salam23StudentMurshidabad | Sumi Dey | 27 | Student | Malda, India |
| Rituparna Tudu 22 Student Purulia, Inida Hrichik Bardhan 29 student Medinipur Payel Das 28 Others Howrah, India Aakash Ghosh 48 Working educator Burdwan Md Selim 38 Working educator Howrah, India Abdus Salam 23 Student Murshidabad | Dharmendra Hansda | 24 | Student | Purulia |
| Hrichik Bardhan29studentMedinipurPayel Das28OthersHowrah, IndiaAakash Ghosh48Working educatorBurdwanMd Selim38Working educatorHowrah, IndiaAbdus Salam23StudentMurshidabad | Sohan Murmu | 27 | Working educator | Purulia |
| Payel Das28OthersHowrah, IndiaAakash Ghosh48Working educatorBurdwanMd Selim38Working educatorHowrah, IndiaAbdus Salam23StudentMurshidabad | Rituparna Tudu | 22 | Student | Purulia, Inida |
| Aakash Ghosh48Working educatorBurdwanMd Selim38Working educatorHowrah, IndiaAbdus Salam23StudentMurshidabad | Hrichik Bardhan | 29 | student | Medinipur |
| Aakash Ghosh48Working educatorBurdwanMd Selim38Working educatorHowrah, IndiaAbdus Salam23StudentMurshidabad | Payel Das | 28 | Others | Howrah, India |
| Abdus Salam 23 Student Murshidabad | Aakash Ghosh | 48 | Working educator | |
| | Md Selim | 38 | Working educator | Howrah, India |
| Satyajit Baroi 26 Student Malda | Abdus Salam | 23 | Student | Murshidabad |
| | Satyajit Baroi | 26 | Student | Malda |

RESPONSE SHEET PART-2

(about smartphones, stable internet connection, familiarity with online classes/meetings)

| What is your name? | Do you have a smartphone? | Do you have a stable internet connection? | Are you familiar with onlineclasses/ meetings? |
|------------------------|---------------------------|---|--|
| Debashrita Adak | Yes | Yes | Yes |
| Bidisha Ghosh | Yes | Yes | No |
| Sudeshna Shee | Yes | Yes | Yes |
| Sagnika Pal | Yes | Yes | Yes |
| Sayantani Pal | Yes | Yes | Yes |
| Sagnikbrata Mitra | Yes | Yes | Yes |
| Saheli Batabyal | Yes | Yes | No |
| Soham Gupta | Yes | Yes | Yes |
| Ritika Hazra | Yes | Yes | Yes |
| Samik Banerjee | Yes | Yes | Yes |
| Shatavisha Neogi | Yes | Yes | Yes |
| Debarati | Yes | Yes | No |
| Sreya Pal. | Yes | Yes | Yes |
| Rupanwita Palodhi | Yes | Yes | No |
| Parnali Bhattacharjee | Yes | Yes | Yes |
| Debobrata Basu | Yes | Yes | Yes |
| Melody Mukherjee | Yes | Yes | Yes |
| Prathama mohish | Yes | Yes | Yes |
| Debojyoti Panda | Yes | Yes | Yes |
| Anuva Das | Yes | Yes | Yes |
| Prasanta Pal | Yes | Yes | No |
| Shankhapani Dutta | Yes | No | No |
| Rohit Kumar Pal | Yes | Yes | Yes |
| Shreya Dasgupta | Yes | Yes | Yes |
| Sanjoy Dey | Yes | No | No |
| Debarpita Datta | Yes | Yes | Yes |
| Shabnam Dutta | Yes | Yes | Yes |
| Anwesha Pal | Yes | Yes | Yes |
| Prantika Deb | Yes | Yes | Yes |
| Partha Pratim Bajpayee | Yes | Yes | Yes |
| Sanatan Ganguly | Yes | Yes | Yes |
| Ahana Mallick | Yes | Yes | Yes |
| Diptarka Roy | Yes | Yes | Yes |
| Chandana Banerjee | Yes | Yes | Yes |
| Rohit Pal | Yes | Yes | Yes |
| Sayan Basak | Yes | Yes | Yes |
| Indrani Mukherjee | Yes | Yes | Yes |

| D 1'01 | 37 | 3 7 | 3 7 |
|--------------------|-----|------------|------------|
| Prachi Sharma | Yes | Yes | Yes |
| Karabi Mukherjee | Yes | Yes | Yes |
| Chandrakanta Pal | Yes | Yes | Yes |
| Sreyoshi Banerjee | Yes | Yes | Yes |
| Pooja Bhandari | Yes | No | Yes |
| Sangita Mondal | Yes | No | Yes |
| Satyajit Das | Yes | Yes | Yes |
| Krishna Ghosh | Yes | Yes | Yes |
| Debayan Pal | Yes | Yes | Yes |
| Bikram Pal | Yes | Yes | Yes |
| Suman Chatterjee | Yes | Yes | Yes |
| Aheri Bhattacharya | Yes | Yes | Yes |
| Puja Banik | Yes | Yes | Yes |
| Shreyasi Ghosh | Yes | Yes | Yes |
| Biplab Sarkar | Yes | Yes | Yes |
| Taniya Mitra | Yes | Yes | Yes |
| Debayan Pal | Yes | Yes | Yes |
| Debarati Saha | Yes | Yes | Yes |
| Sandipta Majumdar | Yes | Yes | Yes |
| Sumanjyoti Pahari | Yes | Yes | Yes |
| Preety Mandal | Yes | Yes | Yes |
| Anjali Banerjee | Yes | No | No |
| Champarani Dey | Yes | Yes | Yes |
| Subhankar Sarkar | Yes | Yes | Yes |
| Surashree Rakshit | Yes | Yes | Yes |
| Sumi Dey | Yes | No | Yes |
| Dharmendra Hansda | Yes | No | Yes |
| Sohan Murmu | No | No | No |
| Rituparna Tudu | No | No | No |
| Hrichik Bardhan | Yes | Yes | Yes |
| Payel Das | Yes | Yes | No |
| Aakash Ghosh | Yes | Yes | No |
| Md Selim | Yes | No | Yes |
| Abdus Salam | Yes | Yes | Yes |
| Satyajit Baroi | Yes | Yes | Yes |
| J J | | | |

RESPONSE SHEET PART-3

(about online activity, online education system & effectivity of classroom system)

| (about online activity, online education system & effectivity of classroom system) What do you think | | | |
|---|---|---|--|
| What is your name? | Your online/internet activity in a day is | aboutthe online education system? Is it - | Which one is better & moreeffective in your opinion? |
| Debashrita Adak | More than 5 hrs | Good | Offline classroom |
| Bidisha Ghosh | 5 hrs | Bad | Offline classroom |
| Sudeshna Shee | More than 5 hrs | Bad | Offline classroom |
| Sagnika Pal | More than 5 hrs | Good | Offline classroom |
| Sayantani Pal | More than 5 hrs | Bad | Offline classroom |
| Sagnikbrata Mitra | More than 5 hrs | Bad | Offline classroom |
| Saheli Batabyal | 5 hrs | Good | Offline classroom |
| Soham Gupta | More than 5 hrs | Bad | Offline classroom |
| Ritika Hazra | More than 5 hrs | Good | Offline classroom |
| Samik Banerjee | More than 5 hrs | Good | Online classroom |
| Shatavisha Neogi | 3 hrs | Good | Offline classroom |
| Debarati | 3 hrs | Good | Offline classroom |
| Sreya Pal. | More than 5 hrs | Bad | Offline classroom |
| Rupanwita Palodhi | 3 hrs | Bad | Offline classroom |
| Parnali Bhattacharjee | More than 5 hrs | Good | Offline classroom |
| Debobrata Basu | More than 5 hrs | Good | Online classroom |
| Melody Mukherjee | 5 hrs | Good | Offline classroom |
| Prathama mohish | 5 hrs | Good | Offline classroom |
| Debojyoti Panda | 5 hrs | Good | Online classroom |
| Anuva Das | 3 hrs | Good | Online classroom |
| Prasanta Pal | 5 hrs | Bad | Offline classroom |
| Shankhapani Dutta | 3 hrs | Bad | Offline classroom |
| Rohit Kumar Pal | More than 5 hrs | Good | Online classroom |
| Shreya Dasgupta | More than 5 hrs | Good | Online classroom |
| Sanjoy Dey | 1 hr | Good | Offline classroom |
| Debarpita Datta | More than 5 hrs | Good | Offline classroom |
| Shabnam Dutta | 3 hrs | Bad | Offline classroom |
| Anwesha Pal | 5 hrs | Good | Online classroom |
| Prantika Deb | 3 hrs | Good | Offline classroom |
| Partha Pratim | | | |
| Bajpayee | 5 hrs | Good | Online classroom |
| Sanatan Ganguly | More than 5 hrs | Good | Offline classroom |
| Ahana Mallick | More than 5 hrs | Good | Online classroom |
| Diptarka Roy | More than 5 hrs | Good | Online classroom |
| Chandana Banerjee | 5 hrs | Good | Offline classroom |
| Rohit Pal | More than 5 hrs | Good | Offline classroom |
| Sayan Basak | More than 5 hrs | Good | Offline classroom |

| Indrani Mukherjee | More than 5 hrs | Good | Online classroom |
|--------------------|-----------------|------|-------------------|
| Prachi Sharma | More than 5 hrs | Good | Offline classroom |
| Karabi Mukherjee | More than 5 hrs | Good | Offline classroom |
| Chandrakanta Pal | 5 hrs | Good | Offline classroom |
| Sreyoshi Banerjee | More than 5 hrs | Good | Offline classroom |
| Pooja Bhandari | 5 hrs | Bad | Offline classroom |
| Sangita Mondal | 3 hrs | Good | Offline classroom |
| Satyajit Das | More than 5 hrs | Good | Online classroom |
| Krishna Ghosh | 5 hrs | Good | Online classroom |
| Debayan Pal | 5 hrs | Good | Offline classroom |
| Bikram Pal | 5 hrs | Good | Offline classroom |
| Suman Chatterjee | 5 hrs | Good | Offline classroom |
| Aheri Bhattacharya | 5 hrs | Good | Offline classroom |
| Puja Banik | 3 hrs | Good | Online classroom |
| Shreyasi Ghosh | 5 hrs | Good | Offline classroom |
| Biplab Sarkar | More than 5 hrs | Good | Online classroom |
| Taniya Mitra | 5 hrs | Good | Offline classroom |
| Debayan Pal | 5 hrs | Good | Offline classroom |
| Debarati Saha | 5 hrs | Good | Online classroom |
| Sandipta Majumdar | 5 hrs | Good | Online classroom |
| Sumanjyoti Pahari | 5 hrs | Good | Online classroom |
| Preety Mandal | 5 hrs | Good | Online classroom |
| Anjali Banerjee | 5 hrs | Good | Offline classroom |
| Champarani Dey | 5 hrs | Good | Online classroom |
| Subhankar Sarkar | 5 hrs | Good | Offline classroom |
| Surashree Rakshit | 5 hrs | Good | Offline classroom |
| Sumi Dey | 5 hrs | Good | Online classroom |
| Dharmendra Hansda | 3 hrs | Good | Offline classroom |
| Sohan Murmu | 1 hr | Bad | Offline classroom |
| Rituparna Tudu | 1 hr | Bad | Offline classroom |
| Hrichik Bardhan | 5 hrs | Good | Online classroom |
| Payel Das | 5 hrs | Good | Offline classroom |
| Aakash Ghosh | More than 5 hrs | Good | Offline classroom |
| Md Selim | 5 hrs | Good | Offline classroom |
| Abdus Salam | More than 5 hrs | Good | Offline classroom |
| Satyajit Baroi | More than 5 hrs | Good | Offline classroom |
| | | | |

RESPONSE SHEET PART-4

(about climate change awareness, familiarity with sustainability & its goals)

| (0.0000 02222000 | change awareness, r | Are you familiar | Are you |
|-------------------|---------------------|------------------|-----------------|
| | Are you aware | withthe term | familiar with |
| What is your | about climate | sustainability? | the goals of |
| name? | change issues? | | sustainability? |
| Debashrita Adak | Yes | Yes | Yes |
| Bidisha Ghosh | No | Yes | Yes |
| Sudeshna Shee | Yes | Yes | Yes |
| Sagnika Pal | Yes | Yes | Yes |
| Sayantani Pal | Yes | Yes | Yes |
| Sagnikbrata Mitra | Yes | Yes | Yes |
| Saheli Batabyal | Yes | No | Yes |
| Soham Gupta | No | Yes | Yes |
| Ritika Hazra | No | No | No |
| Samik Banerjee | Yes | Yes | Yes |
| Shatavisha Neogi | Yes | Yes | Yes |
| Debarati | No | No | No |
| Sreya Pal. | Yes | No | Yes |
| Rupanwita Palodhi | Yes | Yes | Yes |
| Parnali | | | |
| Bhattacharjee | Yes | Yes | Yes |
| Debobrata Basu | No | Yes | No |
| Melody Mukherjee | Yes | Yes | No |
| Prathama mohish | No | Yes | No |
| Debojyoti Panda | Yes | Yes | Yes |
| Anuva Das | Yes | No | No |
| Prasanta Pal | Yes | No | No |
| Shankhapani Dutta | Yes | Yes | Yes |
| Rohit Kumar Pal | Yes | Yes | Yes |
| Shreya Dasgupta | No | Yes | Yes |
| Sanjoy Dey | Yes | Yes | No |
| Debarpita Datta | Yes | Yes | Yes |
| Shabnam Dutta | No | A little | No |
| Anwesha Pal | Yes | Yes | Yes |
| Prantika Deb | Yes | Not so | No |
| Partha Pratim | | | |
| Bajpayee | Yes | Yes | Yes |
| Sanatan Ganguly | Yes | Yes | Yes |
| Ahana Mallick | Yes | Yes | Yes |

| Diptarka Roy | Yes | Yes | Yes |
|--------------------|-----|----------------------|-----|
| Chandana Banerjee | Yes | Yes | Yes |
| Rohit Pal | Yes | Yes | Yes |
| Sayan Basak | Yes | Yes | Yes |
| Indrani Mukherjee | Yes | Yes | Yes |
| Prachi Sharma | Yes | Yes | Yes |
| Karabi Mukherjee | Yes | Yes | Yes |
| Chandrakanta Pal | Yes | Yes | Yes |
| Sreyoshi Banerjee | Yes | Yes | Yes |
| Pooja Bhandari | Yes | Yes | No |
| Sangita Mondal | Yes | No | No |
| Satyajit Das | Yes | Yes | Yes |
| Krishna Ghosh | Yes | Yes | Yes |
| Debayan Pal | Yes | Yes | Yes |
| Bikram Pal | Yes | Yes | Yes |
| | | Yes | |
| Suman Chatterjee | Yes | | Yes |
| Aheri Bhattacharya | Yes | Yes | Yes |
| Puja Banik | Yes | Yes | Yes |
| Shreyasi Ghosh | Yes | Yes | No |
| Biplab Sarkar | Yes | Yes | Yes |
| Taniya Mitra | Yes | Yes | Yes |
| Debayan Pal | Yes | Yes | Yes |
| Debarati Saha | Yes | Yes | Yes |
| Sandipta Majumdar | Yes | Yes | Yes |
| Sumanjyoti Pahari | Yes | No | Yes |
| Preety Mandal | Yes | Yes | Yes |
| Aniali Dananiaa | Vaa | No I do not have any | No |
| Anjali Banerjee | Yes | idea | No |
| Champarani Dey | Yes | Yes | Yes |
| Subhankar Sarkar | Yes | Yes | No |
| Surashree Rakshit | Yes | Yes | No |
| Sumi Dey | Yes | Yes | Yes |
| | Yes | No | No |
| Sohan Murmu | Yes | No | No |
| Rituparna Tudu | Yes | No | No |
| Hrichik Bardhan | No | Yes | Yes |
| Payel Das | Yes | Yes | Yes |
| Aakash Ghosh | Yes | Yes | Yes |
| Md Selim | Yes | Yes | Yes |
| Abdus Salam | Yes | Yes | Yes |
| Satyajit Baroi | Yes | Yes | Yes |

RESPONSE SHEET PART-5

(Participants and their activity for our environment)

| | (. | Participants and their activity for our environment) |
|--------------------------|---|--|
| What is | Do you perform anykind of activity to save our environment | If yes, please mention it in one or two lines. Which kind of environmental |
| yourname? | ? | activitieshave you performed? |
| Debashrita Adak | Yes | Plant trees in different occasions, using energy saving products |
| Bidisha Ghosh | No | |
| Sudeshna Shee | Yes | 1.Planting trees 2. Not wasting water |
| Sagnika Pal | No | |
| Sayantani Pal | Yes | Using recyclable plastics, using biodegradable products |
| Sagnikbrata Mitra | Yes | Not using plastic bags |
| Saheli Batabyal | No | |
| Soham Gupta | Yes | I plant trees in my home I know it is a very small contribution but if everyone contribute it would be so big |
| Ritika Hazra | No | |
| Samik | . | |
| Banerjee | Yes | I have little garden beside my house. I love to plant new trees there. |
| Shatavish aNeogi | Yes | I'm trying to plant more plants like, Mint, Basil, Coriander, Aloevera and other flower's plants in our roof top to create a good supply of oxygen. And always try to save water. Idon't use any kind of Air conditioner or purifier machine. I'm use to with ceiling fan only |
| Debarati | No | |
| Sreya Pal. | Yes | Participating in some environmental activitiesor tree plantations |
| Rupanwita Palodhi | No | |
| Parnali Bhattacharjee | No | |
| Debobrata Basu | No | |
| Melody Mukherjee | No | |
| Prathama mohish | Yes | Using recyclable plastics |
| Debojyoti Panda | Yes | Planting trees |
| Anuva Das | No | - |

| | | 1551 110. 2130 2103 |
|----------------------|------------|---|
| Prasanta Pal | No | |
| Shankhapani | | |
| Dutta | No | |
| Rohit Kumar Pal | Vas | I do not usa plastia haga I always tru ta usa dianasahla alamanta |
| Shreya | Yes | I do not use plastic bags. I always try to use disposable elements. Practicing the way to eliminate the usage of non-biodegradable pollutants in daily |
| Dasgupta | Yes | households |
| Sanjoy Dey | No | 10400110140 |
| Debarpita Debarpita | 110 | |
| Datta | No | |
| Shabnam | | |
| Dutta | Yes | Making environment trash free, using recyclable plastic and tree plantation |
| Anwesha Pal | Yes | 1. Try to reuse my house products, 2. I don't use non-biodegradable plastics |
| Prantika Deb | Yes | Try to give proper lesson to my kids |
| Partha Pratim | | |
| Bajpayee | Yes | In my business activity, I try to follow some manners that are good for our environment |
| Sanatan | | |
| Ganguly | Yes | Trying to develop sense of environment among my kids by some practices |
| Ahana | | |
| Mallick | Yes | Handover different kind of waste materials to the respective authority |
| Diptarka Roy | No | |
| Chandana | ** | |
| Banerjee | Yes | Tree plantation in my house and sometimes in locality based on some occasion |
| Rohit Pal | Yes | |
| Sayan Basak | Yes | Plant trees, Don't use plastic bags |
| Indrani Mukherjee | Yes | I am using separate bins for both biodegradable & non-biodegradable plastics in my hose & advising my children to follow the same |
| Prachi | 168 | my nose & advising my children to follow the same |
| Sharma | Yes | Not using car to reduce my carbon footprint |
| Karabi | | June 1 |
| Mukherjee | Yes | I am using biodegradable plastics for my households |
| Chandrakanta | | |
| Pal | Yes | I am trying to plant trees in different areas when I usually get time |
| Sreyoshi | 3 7 | |
| Banerjee | Yes | I do not use plastic bags; I always try to use biodegradable elements |
| Pooja Bhandari | Yes | Using Biodegradable products |
| Sangita | 103 | Using Diodegradable products |
| Mondal | Yes | Plant trees on various occasions |
| Satyajit Das | Yes | I am an IT professional. Therefore, trying to recycle e-wastes generated from time |
| | | totime |
| Krishna | | I am taking part in different kind of environmental campaigning programmes |
| Ghosh | Yes | organized by our school/university from time to time |
| Debayan Pal | Yes | Apart from my job, I am running small business of biodegradable products |
| Bikram Pal | Yes | I am maintaining a home garden of various crops to meet the goal of sustainable agriculture |
| Suman | 1 68 | I am trying to remove plastics from my locality when I actually get time apart from |
| Chatterjee | Yes | my job |
| Chancijee | 1 05 | 111 ₁ Joo |

| | | 1881(1(0, 2100 2100 |
|-------------------|------------|---|
| Aheri | | |
| Bhattacharya | Yes | I am trying to use biodegradable products for my daily use |
| Puja Banik | | I represent my college in various seminar/conferences about their activity to save |
| | Yes | our environment |
| Shreyasi | | I am trying to develop habits among my childrens to save the environment in a |
| Ghosh | Yes | responsible manner |
| Biplab Sarkar | Yes | Always trying to recycle various kind of non-biodegradable products from my |
| | | house |
| | | I am trying to take part in various environmental campaigning programs from my |
| Taniya Mitra | No | locality/ area whenever I get time |
| Debayan Pal | Yes | Apart from my job, I am running small business of biodegradable products |
| Debarati Saha | Yes | Plant trees in various part of my locality whenever I get time |
| Sandipta | | I am doing postering about various environmental issues in my locality/area |
| Majumdar | Yes | whenever I get time |
| Sumanjyoti | | <u> </u> |
| Pahari | Yes | I am trying to develop a roof top garden in my house |
| Preety | | |
| Mandal | Yes | I am trying to plant trees in my location whenever I get time |
| Anjali | | |
| Banerjee | No | I am trying to use various kind of biodegradable products for my various purposes |
| Champarani | | Apart from my job I am doing a small business with various biodegradable |
| Dey | Yes | products to develop sense of sustainability among people |
| Subhankar | | |
| Sarkar | Yes | I am not using plastic bags for any kind of purposes |
| Surashree | | I am trying to educate my children about environment protection & they are doing |
| Rakshit | Yes | several activities for it |
| Sumi Dey | Yes | Yes I am presenting various environmental issues in public seminar/workshops to |
| 5. | | aware people |
| Dharmendra | Yes | I am not using any kind of vehicles which is controlled by fuel |
| Hansda | | |
| Sohan | 3 7 | I am a famous a I am tonica ta manala ana madila a |
| Murmu | Yes | I am a farmer so I am trying to recycle crop residues |
| Rituparna Tudu | No | |
| Hrichik | No | |
| Bardhan | Yes | I am not eating fish & meat |
| Darunan | 168 | I am trying to give proper lesson to my children so that he can actively take part in |
| Payel Das | Yes | environment protection |
| Aakash | 108 | I hand over various kind of e wastes/ non biodegradable wastes to the respective |
| Ghosh | Yes | authority to save our environment |
| Md Selim | Yes | I do not use non-biodegradable products |
| Ma Sellili | 1 68 | I am presenting my college/university in different seminars/webinars about their |
| Abdus Salam | Yes | environmental activities |
| | | |
| Satyajit Baroi | 168 | Using recyclable products |

RESPONSE SHEET PART-6

(Response about online classes, environmental education, educators as climate activist)

| What is your name? | Do you think that online classes/activities are wayout of climate change as they are paperless? | Do you think that environmental education should be mandatory fromthe very beginning of school education? | Do you feel that school educators/college educators may act as an environment activist through proper administration & leadership skills? |
|---------------------------|---|---|---|
| Debashrita Adak | Yes | Yes | Yes |
| Bidisha Ghosh | Yes | Yes | Yes |
| Sudeshna Shee | Yes | Yes | Yes |
| Sagnika Pal | No | Yes | No |
| Sayantani Pal | Yes | Yes | Yes |
| Sagnikbrata Mitra | Yes | Yes | Yes |
| Saheli Batabyal | Yes | Yes | Yes |
| Soham Gupta | Yes | Yes | Yes |
| Ritika Hazra | Yes | Yes | Yes |
| Samik Banerjee | Yes | Yes | Yes |
| Shatavisha Neogi | Yes | Yes | Yes |
| Debarati | No | Yes | No |
| Sreya Pal. | Yes | Yes | Yes |
| Rupanwita Palodhi | Yes | Yes | Yes |
| Parnali Bhattacharjee | No | Yes | Yes |
| Debobrata Basu | Yes | No | No |
| Melody Mukherjee | Yes | Yes | Yes |
| Prathama mohish | Yes | Yes | Yes |
| Debojyoti Panda | Yes | Yes | Yes |
| Anuva Das | No | No | No |
| Prasanta Pal | No | Yes | Yes |
| Shankhapani Dutta | Yes | Yes | Yes |
| Rohit Kumar Pal | Yes | Yes | Yes |
| Shreya Dasgupta | Yes | Yes | Yes |
| Sanjoy Dey | No | No | No |
| Debarpita Datta | No | Yes | Yes |
| Shabnam Dutta | Not sure | Yes | Yes |
| Anwesha Pal | Yes | Yes | Yes |
| Prantika Deb | Yes | Yes | Yes |
| Partha Pratim Bajpayee | Yes | Yes | Yes |
| Sanatan Ganguly | Yes | Yes | Yes |

| Ahana Mallick | Yes | Yes | Yes |
|--------------------|---------|-----|---------|
| Diptarka Roy | Yes | No | Yes |
| Chandana Banerjee | Yes | Yes | Yes |
| Rohit Pal | Yes | Yes | Yes |
| Sayan Basak | Yes | Yes | Yes |
| Indrani Mukherjee | Yes | Yes | Yes |
| Prachi Sharma | Yes | Yes | Yes |
| Karabi Mukherjee | Yes | Yes | Yes |
| Chandrakanta Pal | Yes | Yes | Yes |
| Sreyoshi Banerjee | Yes | Yes | Yes |
| Pooja Bhandari | Yes | No | Yes |
| Sangita Mondal | Yes | Yes | Yes |
| Satyajit Das | Yes | Yes | Yes |
| Krishna Ghosh | Yes | Yes | Yes |
| Debayan Pal | Yes | Yes | Yes |
| Bikram Pal | Yes | Yes | Yes |
| Suman Chatterjee | Yes | Yes | Yes |
| Aheri Bhattacharya | Yes | Yes | Yes |
| Puja Banik | Yes | Yes | Yes |
| Shreyasi Ghosh | Yes | Yes | Yes |
| Biplab Sarkar | Yes | Yes | Yes |
| Taniya Mitra | Yes | No | Yes |
| Debayan Pal | Yes | Yes | Yes |
| Debarati Saha | Yes | Yes | Yes |
| Sandipta Majumdar | Yes | Yes | Yes |
| Sumanjyoti Pahari | Yes | Yes | Yes |
| Preety Mandal | Yes | Yes | Yes |
| Anjali Banerjee | Yes | Yes | Yes |
| Champarani Dey | Yes | Yes | Yes |
| Subhankar Sarkar | Yes | Yes | Yes |
| Surashree Rakshit | Yes | Yes | Yes |
| Sumi Dey | Yes | Yes | Yes |
| Dharmendra Hansda | Yes | Yes | Yes |
| Sohan Murmu | No idea | Yes | No idea |
| Rituparna Tudu | No | Yes | Yes |
| Hrichik Bardhan | Yes | Yes | Yes |
| Payel Das | Yes | Yes | Yes |
| Aakash Ghosh | Yes | No | Yes |
| Md Selim | Yes | Yes | Yes |
| Abdus Salam | Yes | Yes | Yes |
| Satyajit Baroi | Yes | Yes | Yes |

RESPONSE SHEET PART-7

(Views about educators as leaders & leadership skills)

| | | out educators as leaders & leadership skills) |
|----------------------|--|---|
| What is yourname? | Do teachers need training to develop environment alawareness among students? | Which kind of leadership/administration skills are required beside academic skillsets to formulate environmental responsibility amongstudents? Write your answer in one or two points/sentences. |
| Debashrita Adak | Yes | |
| Bidisha Ghosh | Yes | Less usage of plastic and do planting |
| Sudeshna Shee | Yes | Anything about environmental activity. |
| Sagnika Pal | Yes | |
| Sayantani Pal | Yes | |
| Sagnikbrata Mitra | Yes | Having a good sense of what's right and wrong, standing for what is right, encouraging each other to do the right things |
| Saheli Batabyal | Yes | Perhaps the most important skill a leader needs — and what really distinguishes leaders from managers — is to be able tothink strategically. |
| Soham Gupta | Yes | Through the text books environmental responsibility is given but we need a separate practical course for this awareness |
| Ritika Hazra | Yes | Plant more trees |
| Samik Banerjee | Yes | 1.Communication 2. Problem solving 3.Creativity 4.Decision Making |
| Shatavisha Neogi | Yes | I think that everyone should learn about environment. As a student of Envs. I think we are very knowledgeable but not applicable person. So I think as the other boards (CBSC and ICSC)our WB board also can include a book of EVS since class 5. And more survey and eco-friendly activities can change our mindset. |
| Debarati | No | Nothing |
| Sreya Pal. | Yes | Having the potential of understanding of what is right or wrong step for save the environment or taking the environmental responsibility. On that way student also grow there understanding or will make the bond between them and the Nature. When they will start realising about the environmental responsibility by these steps from the respected teacher community. |
| Rupanwita Palodhi | Yes | |

| Parnali Bhattacharjee | Yes | To share incidents that can encourage students to protect environment |
|---------------------------|-----|--|
| Debobrata Basu | Yes | 1. Vision, 2. Mission |
| Melody Mukherjee | Yes | I don't know |
| Prathama mohish | Yes | Good |
| Debojyoti Panda | Yes | 1. Communication, 2. Teamwork, 3. Multitasking |
| Anuva Das | No | Its a matter of sense, nothing is required |
| Prasanta Pal | No | Faculty should have the ability to motivate his/her students for the sake of environment |
| Shankhapani Dutta | Yes | A teacher must practice the process of sense development among his/her students beside his/her academic capability |
| Rohit KumarPal | Yes | A teacher must be knowledgeable about various environmental issuesso that he/she can develop the sense of environmental awareness among his/her students |
| Shreya Dasgupta | Yes | communication skill, social awareness skills |
| Sanjoy Dey | No | I think its completely a different job |
| Debarpita Datta | Yes | Organization of awareness camps, making habit in student s from beginning |
| Shabnam Dutta | Yes | Make the students understand the cons of human activities in simple language so that the students come forward next time. |
| Anwesha Pal | Yes | I think it is not one person's job. For a greater result, multiple people needs to work together and they actually need to focus on small projects to get success. |
| Prantika Deb | Yes | He/She needs to aware about the environmental issues and give lesson accordingly |
| Partha Pratim Bajpayee | Yes | They should follow some ethical principles regarding our environment and they must try to implement them within their student community |
| Sanatan Ganguly | Yes | They must know the problem. They need to identify the root cause and have proper strategic mindset as well as skillset to solve the problem out |
| Ahana Mallick | Yes | 1. A teacher must be compassionate about his/her are of awareness work 2. He/She must focus about the outcome among his/her students |
| Diptarka Roy | Yes | He/She must develop the idea of strong discipline about daily habits among his/her students |
| Chandana Banerjee | Yes | His/her students must practice some eco friendly work & practices for the environment |
| Rohit Pal | Yes | He/She must develop the idea of environmental problems and future of environment as well as Earth among them. So they can feel the need to save our environment. |
| Sayan Basak | Yes | He/She must be visionary abut his/her student community about goals |

| Indrani Mukherjee | Yes | He/She must be strict, disciplined about the activities of his/her students |
|----------------------|------------|---|
| Prachi | | |
| Sharma | Yes | He/She must be strategic to achieve his/her goals |
| Karabi | | He/She must have an idea to formulate any kind of goal to |
| Mukherjee | Yes | complete his/her objectives |
| Chandrakanta | | r in a sufficient |
| Pal | Yes | He/She must be well planned for his/her goals |
| Sreyoshi | 105 | The blie mast se wen planned for my ner goals |
| Banerjee | Yes | Leaders must have vision and mission to obtain their goals |
| Pooja | 105 | Louders must have vision and mission to obtain their goals |
| Bhandari | Yes | Must be visionary about his/her goals |
| | 103 | iviust be visionally about ms/net goals |
| Sangita Mondal | Yes | ha/sha must be strategia/influential to obtain his goals |
| Mondai | 1 68 | he/she must be strategic/influential to obtain his goals |
| C-4 !!4 D | V | A leader must be visionary to complete his/her goals in the |
| Satyajit Das | Yes | concerned field |
| Krishna | T 7 | A leader must be disciplined in various activities to complete |
| Ghosh | Yes | his/her specific goals |
| | | A leader must be a motivator to his/her team members to complete |
| Debayan Pal | Yes | his/her own goals |
| | | Must be a good listener to his/her team members for solving the |
| Bikram Pal | Yes | problems arise |
| Suman | | The skill that is required is quality of leadership. He/She must be |
| Chatterjee | Yes | strategic to complete his/her goals |
| Aheri | | |
| Bhattacharya | Yes | A teacher/leader must be strict to complete his goals |
| | | The major administrative skillset required are- time to time data |
| | | collection, analysis & formulation of the data and represent them |
| Puja Banik | Yes | through a proper way |
| Shreyasi | | Leadership skill that is required to complete a specific task is strict |
| Ghosh | Yes | about vision, mission and goals |
| | | a leader must be a concerned about various environmental issues to |
| Biplab Sarkar | Yes | formulate his/her goals |
| F | | Strong communicators, Focus on collaboration, adaptable, |
| Taniya Mitra | Yes | engaging, real world learners as well |
| Tumyu wiitu | 105 | A leader must be a motivator to his/her team members to complete |
| Debayan Pal | Yes | his/her own goals |
| Debuyun I ui | 105 | A leader must develop the sense of value of environment among |
| Debarati Saha | Vac | his/her team members |
| | 168 | A leader must be a good philosopher about the outcomes of his/her |
| Sandipta Majumdar | Vac | |
| Majumdar | Yes | own karma |
| Sumanjyoti | Vac | A looden must be a good communication |
| Pahari | Yes | A leader must be a good communicator |
| Preety | Vac | A looden must be good to former-late at mate |
| Mandal | Yes | A leader must be good to formulate strategy |
| Anjali | 37 | |
| Banerjee | Yes | A leader must be specific to obtain his project goals |
| Champarani | T 7 | Leader must have specific vision & mission to complete his/her |
| Dey | Yes | own goals |

| Subhankar Sarkar | Yes | A leader must have strong communication, schedule maintainence skills and he/she must be strong to handle his/her team that they are working for common goal |
|----------------------|-----|--|
| Surashree | | |
| Rakshit | Yes | A teacher-leader must be visionary |
| Sumi Dey | Yes | A teacher must be knowlegeable about various kind of environmental issues |
| Dharmendra Hansda | Yes | He/She must be enthusiastic, respected & viewed by his/her colleagues, hard working and must have ability to manage work load |
| Sohan | | 1000 |
| Murmu | Yes | No idea |
| Rituparna | | |
| Tudu | Yes | By his/her visionary skills he can manage his team members |
| Hrichik Bardhan | Yes | He/She must have the skills of strategic planning to complete his/her team goal |
| Payel Das | Yes | Teachers circle to plan, develop & assess practices with technology |
| Aakash | | |
| Ghosh | Yes | Deepen professional knowledge & refine skills |
| Md Selim | Yes | Teacher learning from practice- action research with technology |
| Abdus Salam | Yes | Without teaching & leadership skills, how can we move to save our own Earth where there is crisis of various resources |
| Satyajit Baroi | Yes | A teacher must have the ability to convince all the students of his team to work for a common goal |