

# **ECO-CLUB**

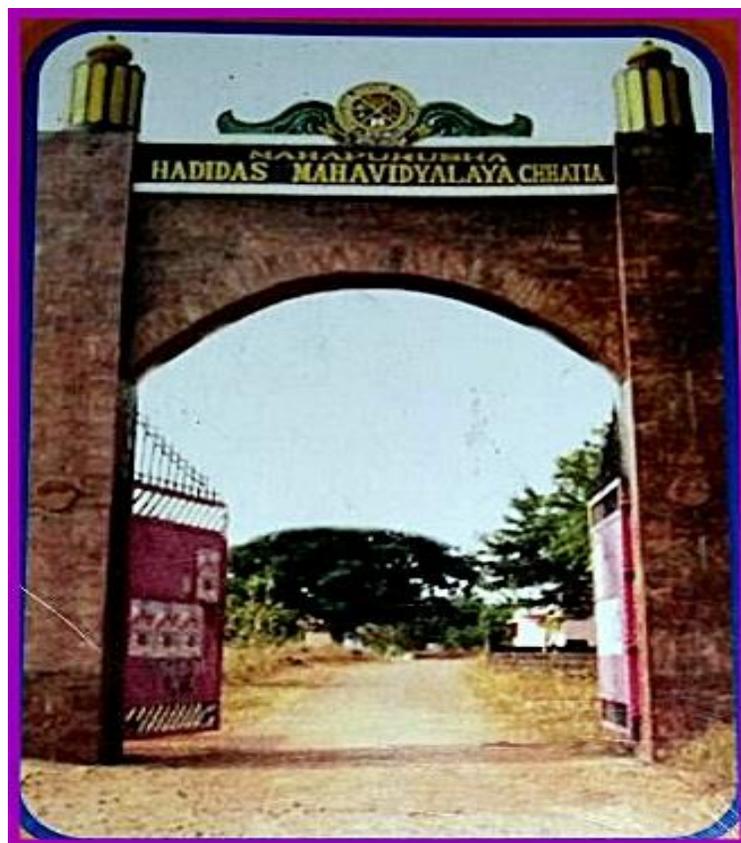
**A**

**PROFILE**

**SUBMITTED TO NAAC**

**ON THE DAY OF PEER TEAM VISIT**

**19<sup>th</sup> & 20<sup>th</sup> DECEMBER, 2016**



**MAHAPURUSHA HADIDAS MAHAVIDYALAYA,  
NAAC ACCREDITED**

**CHHATIA, JAJPUR, ODISHA.**

## **INTRODUCTION:**

One of the greatest problems that mankind faces today is the ecological imbalance on the earth. The misuse and mismanagement of natural resources by man have not only damaged the eco-balance but also polluting the precious environment as well as other organisms which are very necessary for our life. Ecologists consider all the organisms that live in one area as interdependent community. Eco-system may be defined as 'the sum total of all the conditions and influences which have affected the life and development of living organisms'.

Since the beginning of the civilization, man has consumed a large amount of natural materials and energy from the environment than any other organisms. He is not only modifying the environment but also destroying the eco-system according to his needs and way without taking into account its consequences. Now the rate of consumption of certain materials has exceeded their rate of regeneration. Moreover, rapid urbanization and industrialization in India has also denuded our beautiful forest and damaged the existing flora and fauna. The negative approach towards the nature all over the world was also responsible in a big way for creating an ecological crisis by disturbing the cycle of seasons, resulting in unprecedented floods, landslides, drought as a whole-global warming. Such a path is neither practicable nor desirable.

One of the critical problems facing India is the sharp and growing eco-imbalance in different states. So, the Honourable Supreme Court of India, the highest legal guardian of India & the guardian of Indian constitution has taken a bold step to protect the Indian environment and ordered to introduce environmental science in all universities of India. Now Environment science has been introduced as a compulsory subject in all higher educational institution along with our college from the year 2002-2003 as per the U.G.C. syllabus.

### **OBJECTIVE OF ECO-CLUB:-**

- To work for maintenance of ecological balance of our environment.
- To sensitize awareness among people to minimize pollution with all their efforts in different walks of life.
- To revamp awareness for forest conservation.
- To take up plantation work in collaboration with other organisations.
- To involve students in the main stream making this surrounding healthy and pollution free.
- To aware the ignorant and poor people that an unhealthy surrounding may lead to different diseases.

- Above all, to create a healthy surrounding in and around the college in particular and in the society in general. The eco-club with the help of N.S.S. tried to create environmental awareness among the students as well as local people.

**NAME OF THE ECO-CLUB: M.H.D.M. ECO-CLUB**

Our college has started Eco-club on 05.10.2007 with due permission of the college authority.

President : Prof. Dr.P.K.Das, Principal M.H.D. College, Chhatia.

Vice President : Prof. Dr.S.Mohanty, Lecturer in Zoology.

Vice President : Prof. C.K.Nayak, Lecturer in Odia.

Coordinator : Prof. A.Nayak, Lecturer in Botany.

**TEACHING MEMBERS**

Prof. N.Nayak, Lecturer in Political Science.

Prof. Dr. S.Mohanty, Lecturer in Zoology

Prof. S.K.Jena, Lecturer in Education.

Prof. C.R.Sahoo, Lecturer in History.

## **STUDENTS (+3 Arts)**

1. Siba Nayak
2. Rattan LalSahoo
3. Gayatri Barik
4. Chinmayee Samal
5. Subas Nayak
6. Bikash Ku. Mohanty
7. Madhusmita Barika
8. Mili Behera
9. Prakash Ku. Mohanty
10. Pratap Ku. Rout
11. Bikash Ku. Parida
12. Jayashree Behera
13. Sonali Behera
14. Sasmita Sahoo
15. Rina Panda
16. Monalisa Jena
17. Ranjit Ku. Khatua
18. Rakesh Ch. Behera
19. Priyabhanjan Sahoo
20. Harapriya Behera

21. Sasmita Samal
22. Rojalin Sahoo
23. Abdhut Ojha
24. Pitabas Sahoo
25. Shraban Rout

### **ACTIVITIES OF THE ECO-CLUB :**

Since its inception, the Eco-club in our college is working successfully both inside and outside the campus promoting environmental education & awareness by organizing seminars, debate competitions arranging popular lectures, exhibiting posters and celebrating World Environmental Day. The unit acts as a catalytic support to encourage the local NGOs like “**SEVAK**” in their efforts for promotion of environmental awareness in nearby villages.

### **ACTIVITY I :ORGANISATION OF DEBATE COMPETITION ON “ENVIRONMENTAL POLLUTION”.**

Environmental pollution is a burning problem on the face of mankind. Unlimited exploitation of nature by man for meeting his comforts and technological advancement has disrupted the delicate ecological balance. Industrial effluents, population explosion, deforestation, mining activities, utilization of atomic energy etc. has

made the environment to be polluted. But as a rational and social creature we also realize the importance of environment and make efforts for its conservation or protection in order to ensure ourselves with a healthy & comfortable living.

To create environmental consciousness among the students our club had organized a debate competition on 15<sup>th</sup> August, 2016 in the college premises on “Environmental Pollution”. Many students participated and delivered about the topic nicely. The top most winners were awarded with certificates of merit along with prizes.

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|-----------------|----------------------|-----------------------------|
| 1 <sup>st</sup> | Monalisha Jena       | +3 III Yr. Arts, Roll No.53 |
| 2 <sup>nd</sup> | Suchismita Acharya   | +3 II Yr. Arts, Roll No.221 |
| 3 <sup>rd</sup> | ItishreeIpsita Arati | +3 II Yr. Arts, Roll No.102 |



**Prize distribution for Debate Competition on 15.08.2016**

## **ACTIVITY II : SEMINAR ON GLOBAL WARMING**

A seminar was organized in the college campus by the Eco-Club on 3<sup>rd</sup> September, 2016 at 11.00 A.M. The topic of discussion was “Global Warming”.

Global Warming is warming up of the atmosphere with increase in concentration of  $\text{CO}_2$ . i.e. actually due to the blanketing effect of greenhouse gases over the earth. It is directly related to greenhouse effect. It is the condition when the temperature rises due to absorption of infrared radiation reflected back from the earth, which actually have a heating effect. This further leads to “Global Warming”.

### **CAUSES :**

- i) Denuding of earth's surface, excessive fossil fuel, forest destruction which lead to increase in  $\text{CO}_2$  concentration.
- ii) After industrial revolution agricultural sources, particularly rice cultivation, animal husbandry are most significant contributors to increase in concentration of methane.
- iii) Continuous use of nitrogenous fertilizers, denuding of land, biomass burning, combustion of fossil fuel etc. lead to increase the concentration of nitrous oxide.
- iv) Wide spread use of conditioning apparatus & refrigerators lead to increase the concentration of CFC & (Chlorofluro carbon), that depletes the ozone layer.

## **EFFECT :**

- Rise in global temperature & oceanic temperature lead to melting of polar ice caps thus allowing larger volume of water.
- Sea level rising will be causing coastal flooding, storm surges & wave activity, which will lead to reduction in fresh water reservoir & rising of salinity level.
- Rain pattern will change & could culminate into frequent floods & drought.
- Climatic change will lead to extinction of biodiversity, i.e. decline in breeding birds penguins in Antarctic, depletion of phytoplankton.
- Increase in heat waves will cause skin cancer, damage in human immune system, cataracts, heart strokes etc.



### **Seminar of Global warming on 03.09.2016**

The resource person Dr. Pravat Kumar Routray, Reader in Zoology, Salipur, Autonomous College and Secretary, Environmental Society, Jajpur District was invited as the chief guest to our college. In the seminar, the chief guest talked on the topic in details i.e. how global warming is caused and gave a clarion call to the students, staff and members in general about how they can contribute to check global warming. Other staff member also shared their

valuable opinion on the topic. Lastly, the seminar was rounded off with a common slogan.

- “The globe we tread on  
May be a burning culdron  
To live on”  
Therefore “Warming is Harming”.

### **ACTIVITY III :PROGRAMME AGAINST VEHICULAR POLLUTION**

Environmental pollution these days is a matter of great concern. Vehicular pollution adds much to the total amount of pollution emitted to the atmosphere everyday.

#### **THE CAUSES OF SUCH VEHICULAR POLLUTION ARE:**

- Increasing number of vehicles
- Non-maintenances of vehicles
- Non-enforcement of existing law
- Ignorance of the people about the causes and effect of pollution.



**Programme against vehicular pollution on 05.09.2016**

To create an awareness against such vehicular pollution, a programme was organized by the Eco-Club on 05.09.2016 at N.H.5, passing in front of the college gate. The members participated in the programme.

**TEACHING FACULTY :**

1. Prof. A.Nayak
2. Prof. P.K.Satpathy
3. Prof. C.Nayak
4. Prof. C.R. Sahoo
5. Prof. P.Samal

**STUDENTS :**

1. Shrabhan Rout
2. SubratBarik
3. Sisir Ku. Swain
4. SwarnapraveMallik
5. RojalinNath
6. SubhadraSahoo
7. KabitaSethy
8. Namita Rout
9. GayatriBarik

In the programme at about 100 vehicles were stopped on the way. The condition of their vehicles was checked by a technician and they were given necessary awareness against vehicular pollution. At the end a brief meeting was held in which the people who were gathered there were informed about the matter and the message was sent by placards.

- “Use public transport
- “Minimise vehicular pollution”.
- “Avoid over loading”
- “Avoid pollution”.
- “Tune your vehicles”
- “Tune your expenditure”.

#### **ACTIVITIES IV : SANITATION PROGRAMME :**

Eco-Club with the Co-operation of N.S.S. unit conducted sanitation programme in the nearby villages. The students took active role in the sanitation programme in the villages of Solar, Amarbati, Chhatia, Patana on 5<sup>th</sup> May, 2016.

The members moved door to door and inspected the sanitation whether it was maintained by the villagers or not. It was a matter of great concern to see that many of the villagers were putting up proper sanitation. The members in a persuasive way made the people understand the necessity of good sanitation.

## **ACTIVITIES V : OBSERVATION OF WORLD ENVIRONMENTAL DAY**

Now a days environmental pollution has been a problem of heavy anxiety not only for our country, but for the whole world. Now the whole humanity is in the massaging danger of environmental pollution. So the U.N.O. has been very active and at the direction of the U.N.O. the 5<sup>th</sup> June of every year is being observed as the “World Day” or “DharitriDibasa”. The purpose of this observance to remind ourselves about the horror of the environmental pollution.

On 5<sup>th</sup> June, 2016 the members of this club had organized a rally. In the rally the students were instructed to prepare some slogans related to environment and exhibited the placards like :“Nature, Nature for our future”, “One life one tree” etc. In this day the students were promised to activise themselves to eradicate the environmental pollution. The students enlightened the people nearby about the danger of environmental pollution and encouraged them to do the needful in this respect.



**Observation of world Environmental day on 5<sup>th</sup> june,2016**

## **ACTIVITIES VI : PLANTATION PROGRAMME**

Deforestation leads to desertification. Destruction of forests occurs due to over grazing, indiscriminate felling of trees and over exploitation of land resources. This leads to desertification. Deforestation bring about local changes in the climate, rainfall, temperature & wind velocity etc.

Massive afforestation programme are required to restore ecological balance, maintain biological diversity, water conservation, soil conservation etc.



**Plantation programme taken up by Eco-Club alongwith N.S.S.**

In such situation, the eco club along with N.S.S. unit organized a plantation programme in the college campus. Almost all the members of the club participated & 200 numbers of seedlings were planted in the college campus with due safeguard of its protection. The programme ended with the slogans like “Be friend with Nature”, “Enemy of tree is Enemy of human being”, “Plant tree, make environment pollution free”.

## **ACTIVITY VII : ECO-AWARENESS PROGRAMME ON “CONSERVATION OF BIODIVERSITY”**

Biodiversity refers to the occurrence of diverse form of plant and animal life in a particular area under a set of environmental conditions. It reflects the richness of fauna, flora and micro-organism of any particular region of the earth. As no two environments are not exactly alike, the plants and animals are not alike, and they are different. Thus biodiversity differs from place to place. Danger to wild life result in the loss of biodiversity.

### **THE CAUSES OF LOSS OF BIODIVERSITY ARE LISTED BELOW :**

- Pollution
- Elimination of wildlife habitat due to deforestation.
- Selective cultivation of some high yielding varieties.

Thus the deterioration and degradation of biodiversity will threaten the very existence of man. Now there has been increasing concern & awareness among people to protect & conserve our environment. So conservation of biodiversity is the planned management of environment to prevent its exploitation & destruction.



**Eco-awareness programme on conservation of Biodiversity**

The programme was organized by the Eco-Club on 15<sup>th</sup> August, 2016 at “*OLASUNI*” and “*LALITGIRI*”. The members reached the selected spot by bus at 10 A.M. and the following jobs were taken.

1. It is a spot where care have been taken for conservation of wild plants. Therefore, the club members under the guidance of Prof A. Nayak inspected the way, where plants have been in proper care.
2. The care takers were consulted regarding the methods they follow for the work. The student members in a demo programme were taught how biodiversity can be maintained.
3. Lastly, a meeting was held in which the local people were allowed to talk & share their views with our students.

This was certainly very educative for the students and teachers as well.



**Eco-awareness programme on conservation of Biodiversity on 15.08.2016  
At Olasuni.**