

*FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS),
KOLLAM*



BHOOMITRASENA CLUB

360/KLM/22/18

*Directorate of Environment and Climate Change,
Thiruvananthapuram*

Report of Activities

2018-2019

Report of the activities June 2018 – Dec 2019

Faculty in Charge – Dr Sarlin P J (Dept of Zoology)

Members – Dr Sreelekshmy S G (Dept of Zoology)

Mr Ratheesh Cleetus (Dept of Economics)

Fatima Mata National College is active in environment protection activities and the campus follows Green protocol. The college has a proven track record of involvement in environment protection activities both inside the campus and outside.

In this period, the college implemented directives of the green initiatives such as eradication of plastic wastes from the campus, strict ban on the use of single use disposable plastic items, encouraged staff and students to carry lunch in steel/glass carriers and containers ONLY. Caterers/canteen, supplying eatables and beverages to events in colleges were instructed to serve them in steel plates and tumblers in place of the disposable plates and cups.

Observance of environmentally important days to create awareness among students were initiated. Campus Bird biodiversity register is prepared and maintained with the active participation of student volunteers. The activity created awareness in students about the common birds in and around Kollam.

Tentative activities of the year Jan – Dec 2020

- ❖ Kollam beach clean up and awareness creation among public to prevent littering.
 - ❖ Field trip to Shenduruney wild life sanctuary
 - ❖ Observance of Forest Day
 - ❖ Create awareness to promote the use of public transport system among students and teachers
 - ❖ Wetland conservation and wetland migratory bird count
 - ❖ Nest a sparrow – Awareness among public to protect sparrows and provide safe haven for the dwindling population in their final strongholds.
 - ❖ Discourage the use of single use plastic pen
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WORLD ENVIRONMENT DAY CELEBRATIONS 26th June, 2018

World Environment Day 2018 was celebrated in Fatima Mata National College, Kollam under the auspices of PG & Research Department of Zoology with the support of Environment club of the college. The Day was organized in FMN College on 26th June 2018 at the Jubilee Hall. The Day's activities were formally inaugurated by the Resource Person Mr. Shibu Krishnan. Following the inauguration he delivered the Keynote Address. He elaborated on the importance of Environment Day and the issues and concerns related to the plastic pollution. The hour long talk with the use of Audiovisual aids, guided the students through different types of plastics, effect of plastics on various ecosystems, effect of plastic on human beings, Ocean plastics and microplastics. He convinced the audience on the need to say NO to disposable plastics. He urged recycling and refusing, reusing and reducing the plastics. Suitable alternatives to various plastics were suggested. Dr. Sherly Williams (Asso. Professor) felicitated and briefed various activities related to Environment Day. As part of the World Environment Day Celebrations PG & Research Department of Zoology conducted ***Inter Department Elocution Competition*** on Plastic Pollution which was moderated by Dr. Charles George D Cruz. First Prize was won by Ms. Bincy Mini Princy (II DC Chemistry of FMN College, Kollam), and Second Prize by Ajis Maria (III DC Chemistry) and Kashinath of III DC Zoology. As part of the World Environment Day Celebrations PG & Research Department of Zoology conducted ***Inter College Quiz competition*** on Environment and Pollution which was conducted by Dr. Johnson Pius. Vivek V S and Sreekar Prasad of SN College for Men, Kollam, won the First prize and Meenakshi S and Sariga of SN College for Women, Kollam, won the second Prize.

The Plastic Bottle Collection Drive- 2018

As part of the World Environment Day Celebrations 2018 in the College, the Students of Environmental Club organized a Plastic Bottle Collection Drive. The initiative a hitherto unheard venture in this part of the world was a grand success with 132kg of discarded plastic disposable bottles picked up by the staff and students of the college along with the support of NSS Volunteers.

The collected bottles were handed over to Mr. Benzil Job of M/s SIGNET RING General Trading LLC, Mundakkal for recycling.

From our collection we gladly supplied more than 1000 bottles to the students engaged in Flood Relief Operations to distribute cleaning lotions prepared by them.

The quantity of the plastic bottles collected indicates the dedication of those involved. These discarded bottles would have ended in landfills or clogged the drains or landed in water bodies and continued polluting the atmosphere. With this humble initiative we were able to remove this much plastic and above all we relished every moment of this drive where all the ones involved and onlookers gained valuable insights about environment and plastic pollution and the new sense of civic responsibility.

Students of Environment Club and Bhoomitrasena club members were actively involved in these activities.

Sep 2018



❖ **WORLD OZONE DAY CELEBRATION 18th Sep 2018**

Venue: JUBILLE HALL, FMN COLLEGE, KOLLAM 18-09-2018 2PM – 4PM

Welcome : Dr. Sarlin P J , Convener, Environment Club

Speaker: Dr. Rubin Jose, Convener, Science club

Topic: OZONE LAYER DEPLETION- HARMFUL EFFECTS

Vote of thanks: Dr. Shaiju P. N.

OZONE LAYER DEPLETION- HARMFUL EFFECTS Ozone layer, also called ozonosphere, region of the upper atmosphere, between roughly 15 and 35 km (9 and 22 miles) above Earth's surface, containing relatively high concentrations of ozone molecules (O₃). Approximately 90 percent of the atmosphere's ozone occurs in the stratosphere, the region extending from 10–18 km (6–11 miles) to approximately 50 km (about 30 miles) above Earth's surface. In the stratosphere the temperature of the atmosphere rises with increasing height, a phenomenon created by the absorption of solar radiation by the ozone layer. The ozone layer effectively blocks almost all solar radiation of wavelengths less than 290 nanometres from reaching Earth's surface, including certain types of ultraviolet (UV) and other forms of radiation that could injure or kill most living things. We can reduce global warming emissions and ensure communities have the resources they need to withstand the effects of climate change—but not without you. Your generous support helps develop science-based solutions for a healthy, safe, and sustainable future.



WorldWetlandsDay– 2019

WorldWetlands Day 2019 was celebrated in Fatima Mata National College, Kollam under the auspices of PG & Research Department of Zoology and Environment Club. As part of the World Wetlands Day Celebrations on 5th Feb, 2019 at 10 am PG & Research Department of Zoology conducted an **Inter Department Elocution Competition on–Wetlands and Climate change**” which was moderated by Dr. Johnson Pius and Dr. Sreelekshmy. First Prize was won by Ms Nihitha Sajan (IDC Physics of FMN College, Kollam), Second Prize was won by Ms. Aleena A (I DC Physics of FMN College, Kollam).

The afternoon session of the day was lively with the participation of 16 UG students vigorously competing in the **Inter Department Essay Writing Competition on–Wetlands and Climate change**” which was conducted by Dr. Johnson Pius and Dr. Vijayasree. Sreelekshmy JS of IIDC English won the first prize and Shilpa Raj of III DC Zoology won the second prize.

As part of the World Wetlands Day Celebrations on 8th Feb 2019 at 10 am, The PG & Research Department of Zoology conducted an **Inter Collegiate Poster Painting Competition on–Man and Wetlands–The Vital Link**” which was evaluated by a panel of experts including Dr. Johnson Pius, Dr. Charles George D’Cruz and Dr. Vijayasree. 9 contestants from various nearby colleges actively participated. S. Nivedhitha of IDC Psychology (FMN College, Kollam) won the first prize and Tina Terrance of IDC Zoology (FMN College, Kollam) won the second prize.

The Day was celebrated in FMN College on 08th February 2018 at the Jubilee Hall. The celebration officially began at 10.30 am at the Jubilee Hall with a Prayer Song by I DC Zoology students. Around 150 students including 10 students from 2 other Arts and Science Colleges of the district were assembled.

Seminar Kits were distributed to 150 participants on a first come first served basis. Ceremonial Lighting of Lamp was carried out by the delegates and representatives of the staff and students. Coordinator of the WWD 19, Dr. Sarlin. P. J. welcomed the participants and introduced the resource person, Dr. Hari. B. (Assistant Professor, Sree Narayana College, Kollam). The guests in the Dias were welcomed with flowers and applause. In her speech, Dr. Sarlin briefly explained wetlands, its' importance and necessity to conserve etc. In simple words she gave an idea of the main theme of wetland day to the listeners including the staff and students from Humanities and other departments of science of the college.

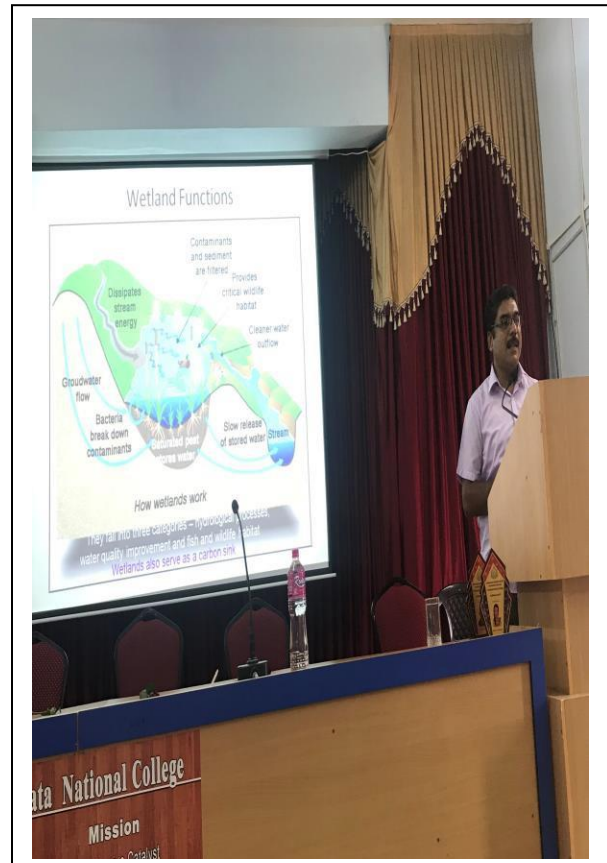
The Chairperson of the WWD 19, FMNC, Dr. Vincent B. Netto (Principal, Fatima Mata National College, Kollam) delivered the Presidential Address. The Principal congratulated the Department of Zoology for organizing such meaningful activities in the college. He reiterated the College management's commitment in extension activities and highlighted the importance of the commemoration of such days. He spoke about the importance of wetlands and about the recent floods, and how we can protect our nearby wetlands and exhorted the students to do whatever they can to conserve it. The listeners welcomed the words with a loud applause.

The Day's activities were formally inaugurated by the Resource Person Dr. Hari B., Assistant Professor, SN College, Kollam. Convener of the WWD 19, FMNC, Dr. Antony Akhila Thomas (HOD, PG & Research Department of Zoology) felicitated the gathering and the Principal distributed the Cash Prizes and certificates to the winners.

Following the inauguration Dr. Hari B. delivered the Keynote Address. He elaborated on the importance of wetlands and the issues and concerns related to it. The hour long talk guided the students through different types of wetlands, the important role they play as an ecosystem, importance of

wetlands and climate change, the indispensable nature of it; the threats they face even when wetlands are inevitable to sustain life. He stressed about the new interest on wetlands to combat climate change. Wetlands can act as very efficient carbon absorbers and is a natural weapon to combat the attack of greenhouse gases.

Following the keynote address, an interesting discussion session about the need to conserve the wetland and way to do it, ensued. The session was lively with active inputs from the resource person and the faculty. The Staff Association Secretary Dr. Mumtaz Y (Guest Lecturer, Dept. of Zoology, FMNC) felicitated the audience. Ms. Akhila George (I IDC Zoology, Association Secretary) paid vote of thanks and the celebration of the WWD 19 at FMNC came to an end. All environment club members actively participated in the wetland day celebrations.



❖ DISTRICT LEVEL BIRD WATCHING TRAINING PROGRAMME 14TH Feb
2019





In preparation of the Great Back Yard Bird Count and Campus Bird Count 2019, District Level training program was organized at Fatima Mata National College, Kollam on 14th Feb, 2019. Training program started at 1 pm with a silent prayer. Dr. Sarlin P J welcomed the guests and participants. Mr. A K Sivakumar, Senior Educational Officer, WWF Kerala, Mr. Sajith V (Co-ordinator, WWF and Kerala Biodiversity Board) and Dr. Jishnu (District Medical Officer, Punalur and Co-ordinator WWF) conducted classes to create awareness about Bird Identification, Bird Counting and also imparted hands on training on e-bird App. Members of Environment Club and Students from PG and Research Department of Zoology, FMNC and a good number of students from nearby colleges (SN College for Men and St. Stephen's College Pathanamthitta) benefited from the training. Students were guided through the registration and usage of e-bird app - an international

electronic facility to scientifically record data of birds worldwide. At the end of the session the volunteers were given field training.

Environmental Activities - Campus Bird Count on 19th February 2018

A study on the avian diversity of Fatima Mata National College campus was done as part of Campus Bird Count conducted by WWF in February 19, 2018. The survey was conducted between 8 am and 11.30 am on the said day. The birds spotted by participating volunteer students at the above sites formed the basis of the study. Students from Department of Zoology and Environmental Activities actively participated in the survey. The findings were recorded in e-bird.





NATURE DAY CELEBRATIONS - 2019

Name of the organizing Unit	: Internal Quality Assurance Cell (IQAC) in collaboration with Environmental Club, Bhoomithrasena, NCC & NSS
Duration of the Programme	: One Day
Level of the Programme	: Local
Date	: 03.10.2019
Total Number of Resource Persons	: Two

1. Shri. Jyothi K.S., ACF, Social Forestry, Kerala Forest Department, Kollam
2. Dr. C. Anilkumar, Scientist & Head, Conservation Biology, JNTBGRI, Palode, Thiruvananthapuram.

Participants : The staff and Environment and Bhoomitrasena Club members of FMNC

A brief report of the programme

In tune with the green initiatives of IQAC, FATIMA NATURE DAY CELEBRATION was organized on 3rd October, 2019. To strengthen the Green Academics and Green Activities, a group of student volunteers were constituted with the title FATIMA GREEN BAND, and they are supposed to act as the ambassadors of FATIMA GREEN INITIATIVES. Inauguration of FATIMA NATURE DAY CELEBRATION and the presentation of FATIMA GREEN BAND was done by Shri. Jyothi K.S. FATIMA NATURE DAY LECTURE was given by Dr. C. Anilkumar. Bhoomithrasena Club was inaugurated by the College Manager Rev. Fr. Dr. Rolden Jose Jacob. Principal Dr. Vincent B. Netto presided over the function. Dr. M. Supriya, Coordinator, Green Initiatives, gave the felicitations. Dr. Sarlin P.J. (Convener, Environment Club) welcomed the gathering, and Dr. Shaiju P.N. (IQAC Coordinator) proposed the vote of thanks. The function came to an end with National Anthem.

Later in the campus, '*Barefoot Walking*' was organized, in which all the students, teachers, non-teaching staff and administrative personnel participated. The walk was led by the Principal and Manager. At the end of the walk, the Drama and Theatre Club organized a Street Play in the campus, which explored the potential dangers of drug abuse.

Outcome of the programme

The concept of Green Thoughts and Green Activities were able to get translated into the students mind. The framing and presentation of FATIMA GREEN BAND, an active student involvement programme, ensure their wholehearted participation in enriching the Green Environment and Green Thoughts in the campus. This group is now projected as the torch bearers in making FATIMA a clean and green campus in appearance and thoughts. The 'Barefoot Walking' was a programme that made a strong feel of 'Live with Nature' in the participants.

Programme Notice



FATIMA MATA NATIONAL COLLEGE
(Autonomous), KOLLAM-1

FATIMA NATURE DAY
CELEBRATION-2019

A Green Initiative of IQAC

Organized by
Environment Club, Bhoomitrasena,
National Service Scheme & National Cadet Corps (FMN College, Kollam)

Supported by
Directorate of Environment and Climate Change, Govt. of Kerala
& Parent Teachers Association, FMN College, Kollam

3rd October, 2019

Venue: College Auditorium
Date: 03.10.2019

Programme

Inaugural Session at 10.30 am

Invocation : **Fatima Green Band**

Welcome : **Dr. Sarlin P J**
(Convenor, Environment Club, FMNC)

Presidential Address : **Dr. Vincent B Netto**
(Principal, FMNC)

Green Band Activities 2019
Inauguration : **Shri. Jyothi. K S**
(Asst. Conservator of Forests, Social Forestry Extension, Kollam)

Fatima Nature Day
Lecture : **Dr. C. Anilkumar**
(Scientist & Head, Conservation Biology Division, INTBGRI, Palode)

Inauguration of
Boomitrasena : **Rev. Fr. Rolden Jose Jacob**
(Manager, FMNC)

Felicitation : **Dr. Supriya S.**
(Co-ordinator, Green Initiatives, FMNC)

Vote of Thanks : **Dr. Shajju P.N.**
(Co-ordinator, IQAC, FMNC)

National Anthem

News Paper Report



Fatima Green Band with Guests



Inauguration of FATIMA NATURE DAY CELEBRATION



Inauguration of Bhoomithrasena



FATIMA NATURE DAY LECTURE



'FATIMA BAREFOOT WALKING'





STREET PLAY



EYE DONATION AWARENESS SEMINAR 14th NOV 2019

Name of the organizing Unit	: Internal Quality Assurance Cell (IQAC) in collaboration with Environmental Club, Bhoomithrasena & Lions Club of Kollam Greater
Duration of the Programme	: One Day
Level of the Programme	: Local
Date	: 03.10.2019
Total Number of Resource Persons	: Two
	<ol style="list-style-type: none">1. Dr Jayasankar, Dy DMO & Nodal Officer. Eye Donation Kollam2. Lion Dr. J Ganesh MJF, Chairperson, Sight First Dist.324-4.
Total Number of Participants	: Environment Club and Bhoomitrasena students of FMNC

A brief report of the programme




In tune with initiatives of IQAC, an Eye Donation Awareness Seminar was organized on 14th November, 2019. Meeting started with an Invocation by the students. Inauguration was given by Lion V Parameswaran Kutty PMJF. Lion R Vijayarajan MJF, Chairman Eyedonation Dist, 318-A Introduced the project. **Dr Jayasankar**, Dy DMO & Nodal Officer. Eye Donation Kollam narrated the medical aspects of the eye donation. **Lion Dr. J Ganesh MJF**, Chairperson, Sight First Dist.324-4 explained all the procedures and laws in eye donation.

Dr. Shaiju P.N. (IQAC Co-ordinator) welcomed the gathering, and Lion Dr, johnson pius proposed the vote of thanks. The function came to an end with National Anthem.

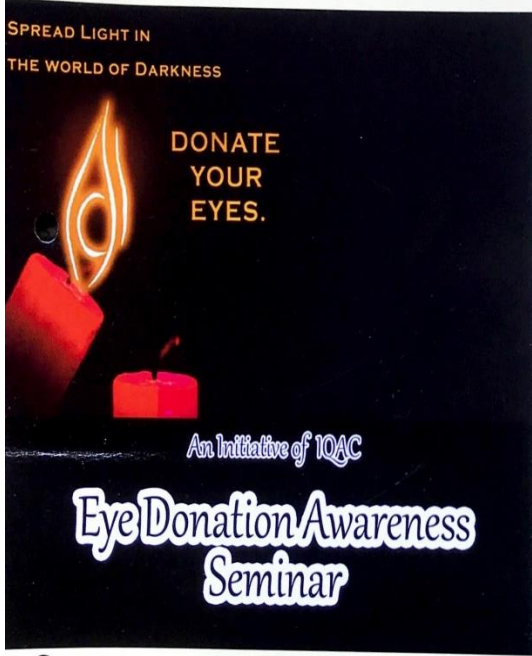
Outcome of the programme

The concept of Organ donation was introduced to the students with special reference to the Eye donation after death. Though most of us have heard of the practice, an indepth information sharing was a first time for most of the ones assembled there. The resource persons were able to clarify the apprehensions of the participants. The importance and the need for eye donation were conveyed and the students were made aware. This acquainted group is now capable of shedding light to the ones around.

Programme Notice

**FATIMA MATA NATIONAL COLLEGE
(Autonomous), KOLLAM-1**



14th Thursday, November, 2019

PROGRAMME

Date: 14th Thursday November 2019 Time: 1.30 pm
Venue: Bishop Jerome Auditorium

Invocation	: Fatima Green Band
Welcome	: Dr. Saju S Convenor, Media & Radio Club
Presidential Address	: Dr. Vincent B. Netto Principal, FMNC
Inaugural Address	: Lion V. Parameswaran Kutty PMJF First Vice Dist. Governor: Lions Clubs International District 318-A
Benedictory Address	: Rev. Dr. Rolden Jose Jacob Manager, FMNC
Introduction of the Project	: Lion R. Vijayarajan MJF Chairman Eye Donation Dist. 318-A
Address by Chief Faculty	: Lion Dr. J. Ganesh MJF Chairperson: Sight First Dist. 324B-4
Felicitations	: Dr. Jayasankar Dy DMO & Nodal officer Eye Donation Kollam
	: Lion Tomy Joseph President, Lions Club of Kollam Greater
Vote of Thanks	: Lion Dr. Johnson Pius

National Anthem

Organized by: **Radio - Media Club & Environmental Club**

Supported by: **Lions Club of Kollam Greater**

Lions Club of Kollam Greater
Ln. Tomy Joseph (President)
Ln. N. Sujay (Secretary)
Ln. P. Pradeep (Administrator)
Ln. T. Mujib (Treasurer)

Dr. Vincent B Netto (Principal)
Dr. Sarlin P. J. (Coordinator)



Inauguration of Eye Donation Awareness Seminar





INVITED LECTURE ON FORESTS AND WILD LIFE 7th DECEMBER, 2019

Name of the organizing Unit : Environmental Club, Bhoomithrasena,

Duration of the Programme : One Day

Level of the Programme : Local

Date : 07.12.2019

Total Number of Resource Persons : One

1. Shri. Balasankar, S.

Section Forest Officer, Assistant Editor, Aranyam,
Forest Information Bureau, Thiruvananthapuram

Total Number of Participants : Students of Environment and Bhoomithrasena Club FMNC

A brief report of the programme

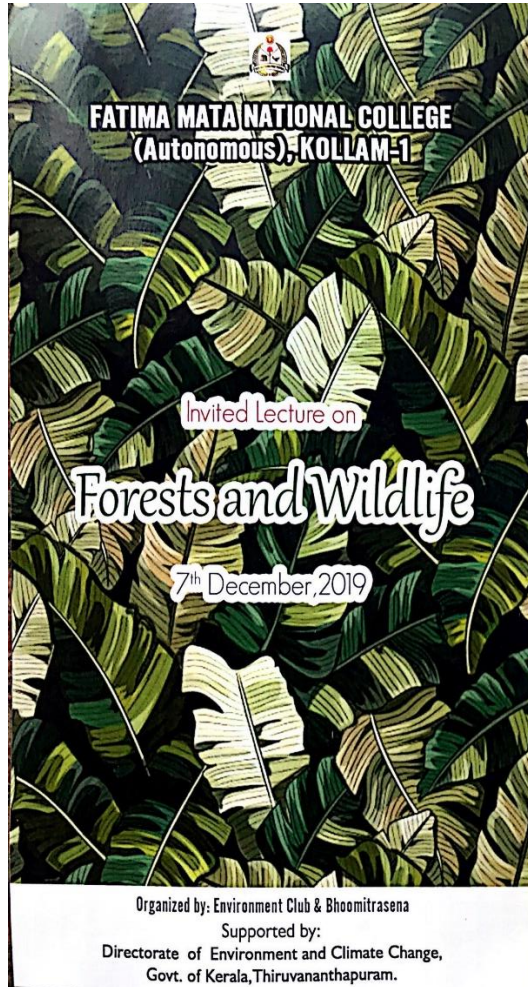
In tune with activities of Environment Club and Bhoomithrasena Club of Fatima Mata National College, Kollam an “Invited Lecture on Forests and Wild Life” was organized on 07th December, 2019. Dr. Sarlin P.J. (Convenor, Environment Club) welcomed the gathering, and Shri. S. Balasankar Section Forest Officer, Assistant Editor, Aranyam, Forest Information Bureau, Thiruvananthapuram beautifully presented about the wild life. Students presented their feed back. Mr Ajaylal, Krishnapriya and Aneesha summarized their opinion about the talk .

Dr. Sreelekshmy S G. (Environment Club Memebre) proposed the vote of thanks. The function came to an end with National Anthem.

Outcome of the programme

The club memebtrs gained awareness of the forest ecosystem and its functioning, the importance of forests and wildlife, and the wildlife that is inside and outside of forests. The concept of conservation of species got translated into the student’s mind. Compassionate and ethical treatment of animals and rational use of resources and need for conservation got inscribed in the minds of the participants.

Programme Notice



Venue: Botany Seminar Hall
Date: 07.12.2019

Programme Schedule

Session at 10.00 am

Invocation : Students of Environment Club
Welcome : **Dr. Sarlin P J**
(Convener, Environment Club, FMNC)
Invited Lecture : **Shri. S. Balashankar**
(Section Forest Officer & Associate
Editor, Aranyam, Forest Information
Bureau, Thiruvananthapuram)

Feed Back Session :

Vote of Thanks : **Dr. Sreelekshmy S G**
(Member , Environment Club)

National Anthem



Talk by Shri Balasankar

Directorate of Environment and Climate Change, Thiruvananthapuram, - Bhoomitrasena Club



Feed back by Students



Feed Back by Krishnapriya



