

DNYAN PRABHODINI MANDAL'S



Shree Mallikarjun College

Delem, Canacona, Goa



GREEN AUDIT REPORT

2018-2019



Mangal



GREEN AUDIT

Green audit was initiated with the beginning of 1970s with the motive of inspecting the work conducted within the organizations whose exercises can cause risk to the health of inhabitants and the environment. It exposes the authenticity of the proclamations made by multinational companies, armies and national governments with the concern of health issues as the consequences of environmental pollution. It is the duty of organizations to carry out the Green Audits of their ongoing processes for various reasons such as; to make sure whether they are performing in accordance with relevant rules and regulations, to improve the procedures and ability of materials, to analyze the potential duties and to determine a way which can lower the cost and add to the revenue. Through Green Audit, one gets a direction as how to improve the condition of environment and there are various factors that have determined the growth of carrying out Green Audit. Some of the incidents like Bhopal Gas Tragedy (Bhopal; 1984), Chernobyl Catastrophe (Ukraine; 1986) and Exxon Valdez Oil Spill (Alaska; 1989) have cautioned the industries that setting corporate strategies for environmental security elements have no meaning until they are implemented.

The intention of organizing Green Audit is to upgrade the environment condition in and around the institutes, colleges, companies and other organizations. It is carried out with the aid of performing tasks like waste management, energy saving and others to turn into a better environmental friendly institute.

Goals of Green Audit

1. The objective of carrying out Green Audit is securing the environment and cut down the threats posed to human health.
2. To make sure that rules and regulations are taken care of
3. To avoid the interruptions in environment that are more difficult to handle and their correction requires high cost.
4. To suggest the best protocols for adding to sustainable development

Benefits of Green Audit

1. It would help to prepare plan to protect the environment.
2. Recognize the cost saving methods through waste minimization and management.
3. Point out the prevailing and forthcoming impacts on environment.
4. Ensures conformity with the applicable laws.
5. Empower the organizations to frame a better environmental performance.
6. It portrays a good image of an institute which helps building better relationships with the group of interested parties.
7. Promotes the alertness for environmental guidelines and duties.





Dnyan Prabodhini Mandal's
SHREE MALLIKARJUN COLLEGE OF ARTS & COMMERCE
DELEM-CANACONA, GOA 403702

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Date: 21/10/2019

OFFICE ORDER

Committee for Green and Sustainability Practices

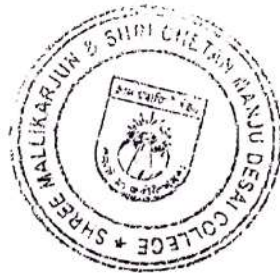
The Principal is pleased to constitute the Committee titled as above from the date mentioned herein for the period of 3 years with the following agenda:

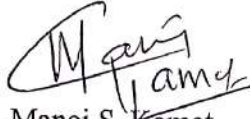
- A. Develop policy framework for sustainability.
- B. Develop sustainability initiatives related to Environment Preservation, Energy Conservation, Water Sanitization and Women Hygiene and Health.
- C. Organizing events for sustainable Garbage collection, Tree Plantation and Orientation towards Flora and Fauna.
- D. Student sensitization through of Guest Lecture and awareness on the theme of Sustainability.
- E. Extension and community engagement and of up keep regular maintenance of garbage, sanitary pads incination, sanitary pads dispenser, solid waste management, herbal garden and vermicompost plant.
- F. Facilitate reporting and internal auditing of energy/water /green audit

- | | | | |
|----|-------------------------|---|-------------|
| 1. | Mr. Dipak Bowalkar | - | Convenor |
| 2. | Ms. Divya Sawant | - | Co-convenor |
| 3. | Ms. Diksha Naik | - | Member |
| 4. | Mr. Anand Velip | - | Member |
| 5. | NSS Incharge | - | Member |
| 6. | NCC Incharge | - | Member |
| 7. | Mr. Pradhyumn Bhairali- | - | Member |
| 8. | Ms. Saniha Desai | - | Member |
| 9. | College Gardeners | - | Member |



Kindly note and comply

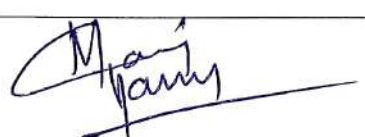



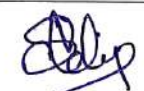




Dr. Manoj S. Kamat
Principal
21/10/19

STATEMENT OF ASSURANCE

(2018-19)

This audit is been conducted by the internal Green Audit Committee assigned by the college in the academic year 2019-20 based on the reports available of the previous year. The audit procedure tried to meet the terms of International Standards of Internal Auditing. In our decision, sufficient and appropriate audit procedures were completed and evidence gathered to support the precision of the conclusions reached and contained in this report.

Sr. No.	Name & Designation of Committee Member	Signature
1.	Prof. Dr. Manoj S. Kamat Principal & Chairman	
2.	Mr. Dipak Bowalkar (Dept. of Zoology) Convener	
3.	Ms. Divya Sawant (Dept. of Chemistry) Co-convener	
4.	Ms. Diksha Naik (Dept. of Botany) Member	
5.	Mr. Anand Velip (Dept. of Geography) NSS Co-ordinator	
6.	Ms. Karishma Parsekar (Dept. of Commerce) NCC Army Co-ordinator	



Index

Sr. No.	Content	Page No.
I	Brief about College	6
II	Sustainable Initiatives & Green Practices	7
III	Awareness and Sensitization Activities	12
IV	Extension & Community Engagement	16



GREEN AUDIT EXECUTIVE SUMMERY REPORT

I) BRIEF ABOUT COLLEGE:

1. Name of the Institute: DPM's SHREE MALLIKARJUN & Shri Chetan Manju Desai College Delem, Canacona, Goa.

2. No. of Branches: B.A.; B.Com.; BSc;

3. No. of Students: 517

4. No. of Faculty Members: 41

5. No. of Non-Teaching Members: 22

6. No. of Buildings: 06

8. Total campus area: 6000 m²

9. College building Spread Area: 2011 m²

a) Girls common room: 01

b) Garbage collection bins: 06

c) Labs: 05

d) Class rooms: 13

e) Auditorium/ Conference room: 03

f) First aid/Sick room:01

10. Student Strength

Catagotary	Boys	Girls	Total
ST	124	109	233
OBC	58	92	150
SC	1	0	1
Minority	6	41	47
General	33	53	86
Total	222	295	517

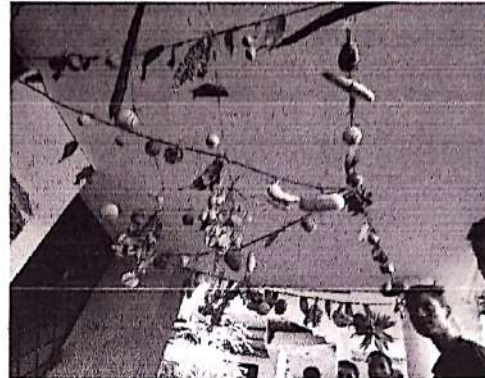
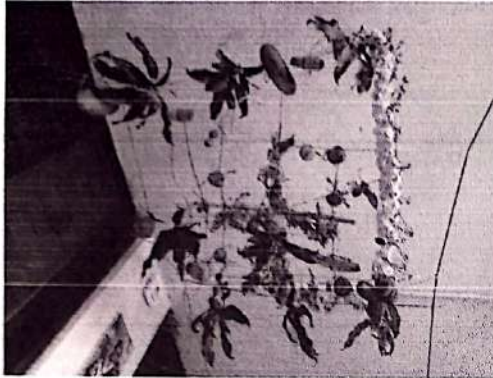
Stream	Boys	Girls	Total
Arts	137	211	348
Commerce	64	63	127
Science	21	21	42
Total	222	295	517



II) Sustainable Initiatives and Green Practices by college

1. Matoli competition

Geo Tarang' in collaboration with 'Friend of Nature' has organized interclass Matoli competition in our college premises on 10th September 2018 at 11.30 AM.



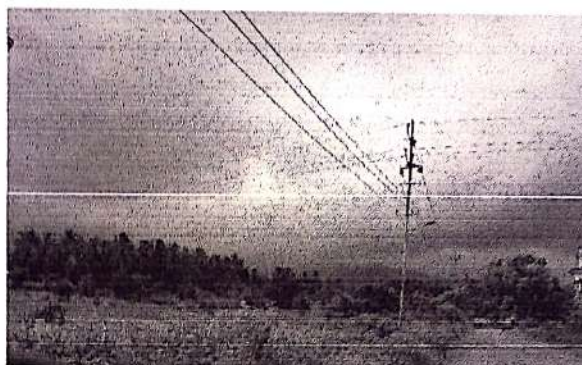
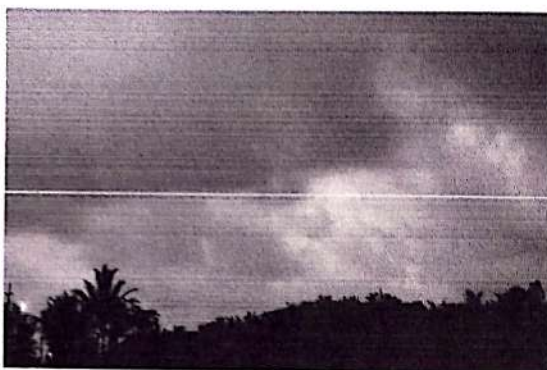
2. Photography Competition

Geography is organizing photography competition on 6th march 2018 on the topic "landscape around us".

The topics for the competition are as follow

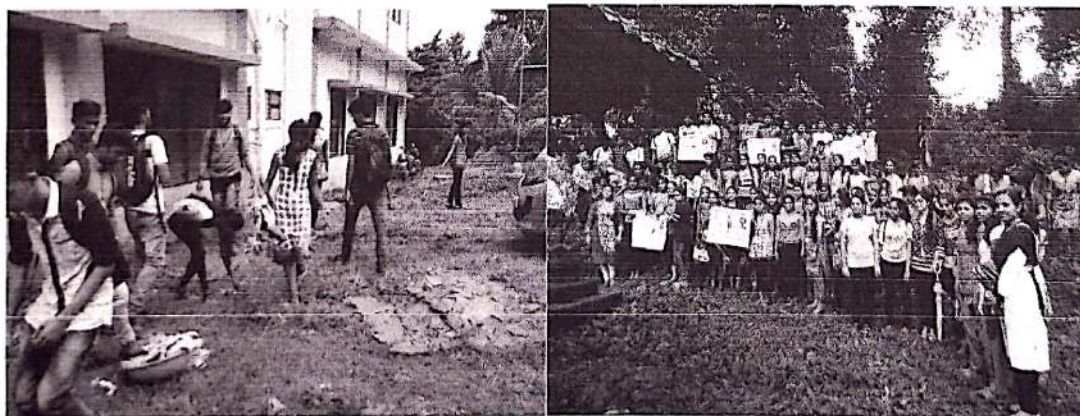
1. Scenes of shower
2. Sky condition and monsoon
3. Landscape features
4. Rejuvenated streams
5. Monsoons and human activity
6. Scenes of unseen nature





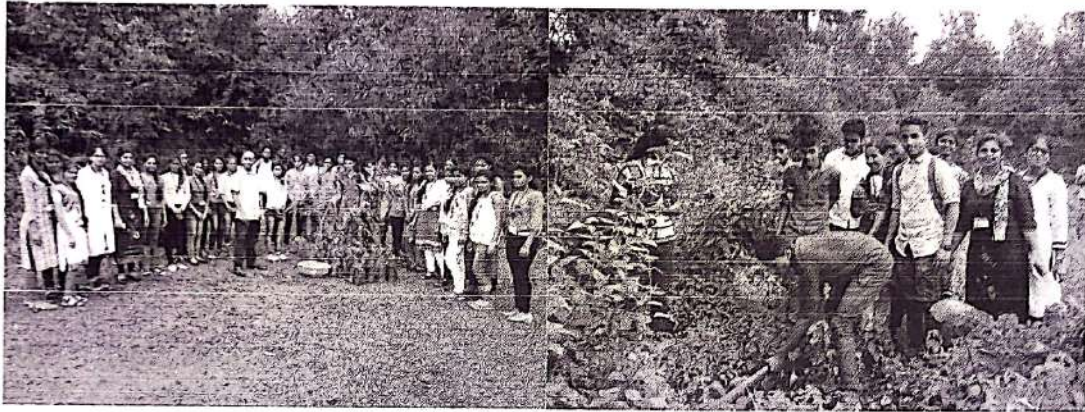
3. Swachh Bharat Pakhwada

Swachh Bharat Pakhwada 2018 began with administering swachhtashapath to the NSS volunteers by Officiating Principal Dr. F. M. Nadaf on 1st August 2018. 50 volunteers involving 20 males and 30 females took swachhtashapath. Host of activities were organised to achieve the objectives of this national mission between 1st August and 15th August. These include campus, classroom as well as college ground cleaning, awareness campaign through village rally, street play, poster display. Between 2nd and 5th of August, about 237 volunteers (males – 71 & females – 166) participated in classroom, laboratory, college campus and ground cleaning activity. On the eve of Independence Day, 28 boys and 83 girls participated in village rally conducted at Vavurla, a hilly settlement in the taluka of Quepem.



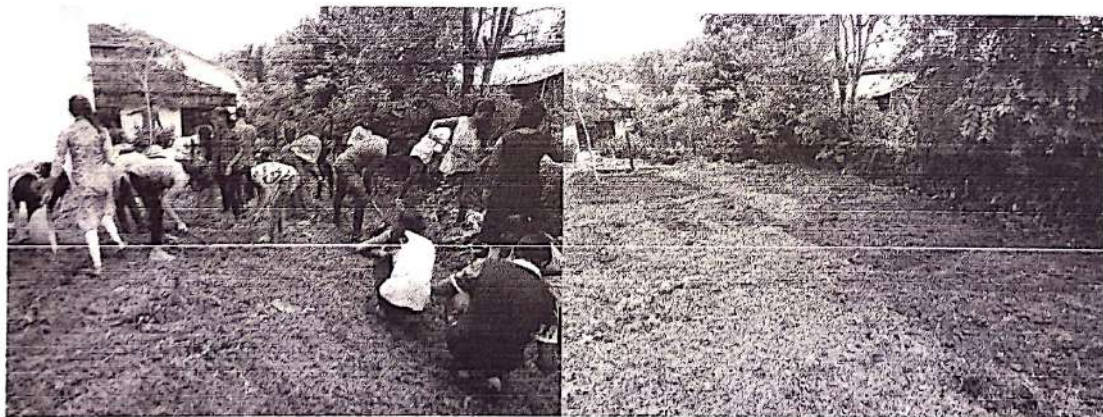
4. Vanmahotsav

To expand green cover in and around college campus, vanmahotsav was celebrated on 8th and 11th of August 2018. Altogether 98 volunteers (Males 16 & females 82) participated in this drive and successfully planted 60 plant saplings. Prof. Vividh Pawaskar, Department of English, sponsored medicinal plants and inaugurated plantation drive. All the medicinal plants were planted on the college ground and campus.



5. Vegetable Gardening

In order to give practical exposure of agricultural practises to volunteers, vegetable gardening is being practised in the college campus regularly. Different types of vegetables were cultivated by using organic manures.



6. Mini garden

A mini garden is literally a living garden in miniature form. The focus is on creating and growing the garden on a small scale. In this activity students were made familiar about the different species of plants and how to grow those plants. They learn about the different environmental conditions require for

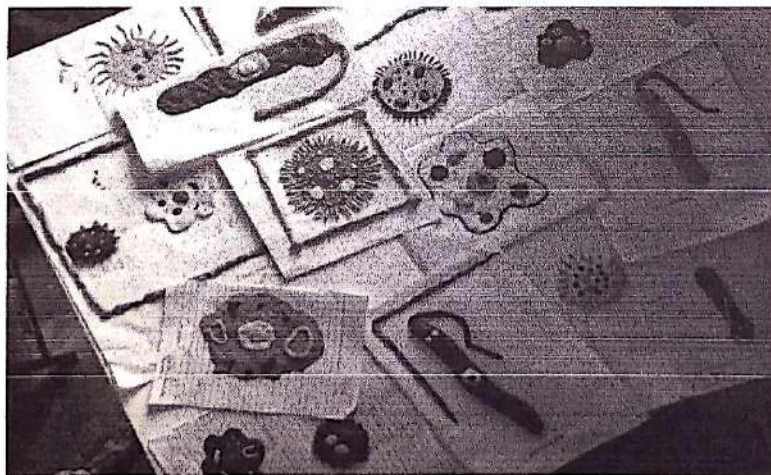


plant growth. Students also learn to work together and enjoy discussing different types of algae.



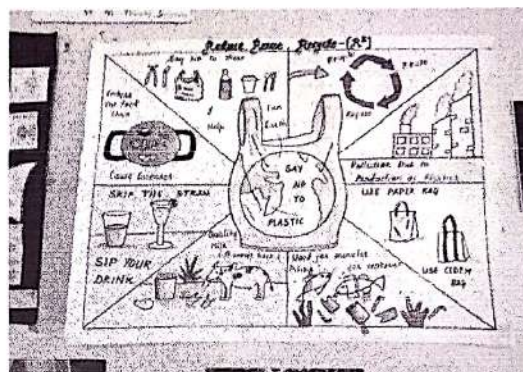
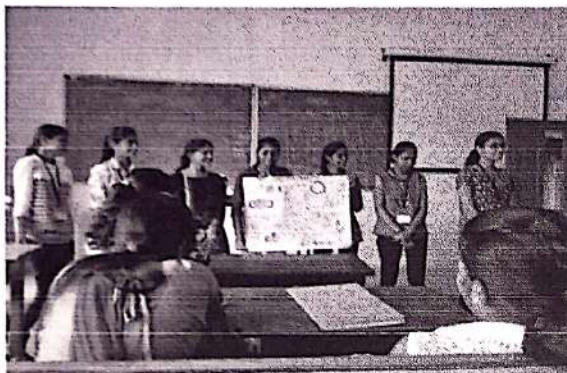
10. Learning through clay modelling

The department of zoology has organized a interactive class leaning activity "Learning through Clay Modeling" a model making assignments to F.Y.B.Sc students for semester I. The primary objective of the activity was to provide students with the knowledge and tool to search for empirical data that can explain the various naturally occurring phenomena around us.



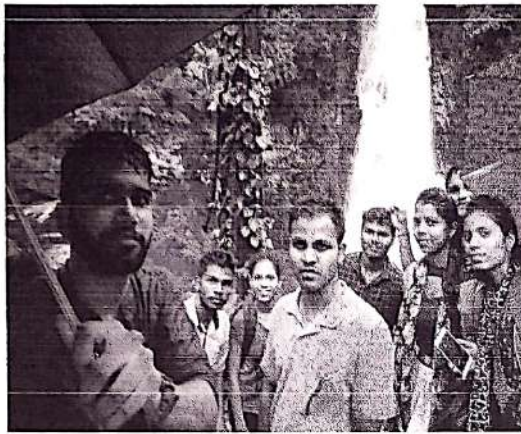
11. Poster Presentation

The Dept of Zoology organized a theme based "Poster Presentation" Competition. The theme for the competition was "People for science, Science for People" The competition was open for all students of Shree Mallikarjun college belonging to any stream (Arts, Commerce and science). The Event was responded by total of 39 students belong 5 teams. The venue selected for the competition was room no 604, time slot given was 2 hour from morning 9.30 am to 11.30 am.

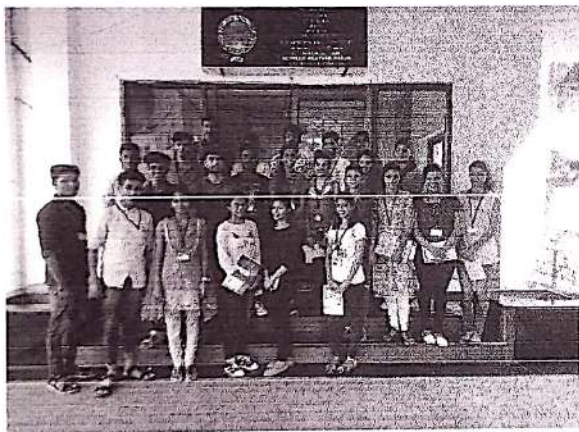


III) Awareness & Sensitization Activities

1. Monsoon track on 12th august to mainappi waterfall in Netravali wildlife sanctuary.



2. Study field visit to Indian metrological department and science centre on 21st September 2018.



3. Environmental studies field trip to Goa shipyard limited, Aviation museum and Japanese garden on 27th September 2018.



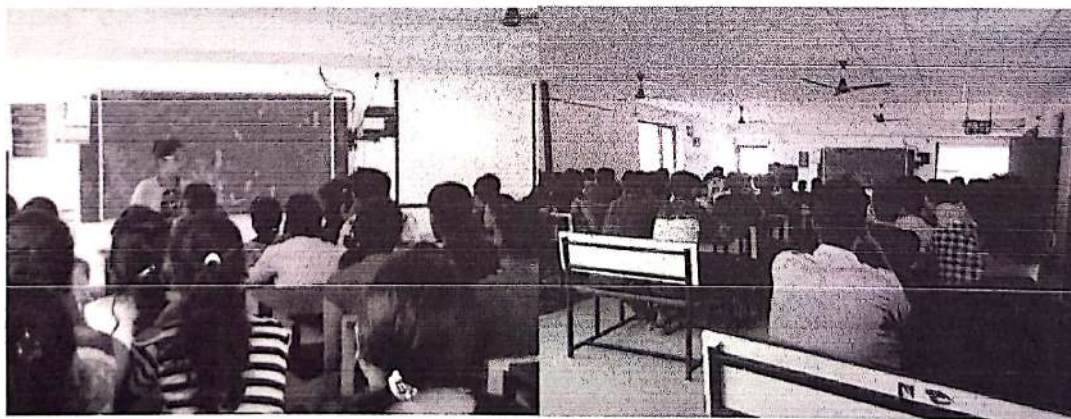
4. FYBA/BSc (Environmental Studies & Resource Geography of Goa) class field trip

As a compulsory component of Environmental Studies and Resource Geography of Goa course – Semester II, a field trip of FYBA/BSc students is organized by the Department of Geography to Tambadi Surla and Tanashikar Farm, Netravali on 05/03/2019. In all 115 students and 3 accompanying teachers will visit the places. The visit is organized to provide exposure to natural and cultural ecosystem and to learn about the processes therein.



5. Lecture on Solid Waste Management

On 4th Sept 2018, a talk was arranged to sensitize volunteers about the waste segregation, disposal and its management. Ms. Seema R. N., Officer at Solid Waste Management Cell, Canacona enlightened 62 (males- 27 & females- 35) volunteers through an interactive session about the complexity involved in the waste management. Solid Waste Management Cell, Canacona has provided 4 dust bins to facilitate waste segregation in the college campus.



6. Botany field trip

Botany fieldtrip was conducted to study various aspects of Botany. A field trip was conducted at 3 places ("The Tribe" Agonda, Tanshikar farm Netravali, Strawberry farm Verlim). The journey began at 8.50am. First spot was 'The Tribe' in Agonda. Mr. Alex Carpenter, who is the founder of the Tribe welcomed us. He gave us brief introduction and gave a talk about species of plants, showed us their nursery. Next spot was bubble lake. There we observed algae, pteridophytes, bryophytes at the side of the lake including other trees around the temple. And finally we headed to our last spot Tanshikar spice farm in Netravali. The owner of the farm Mrs. Gayatri took us to different spices they were growing.



7. Field work for season watch

Department of Botany organized a fieldtrip named "Season watch of campus Trees" on 4th Dec 2018 at 8.30am to 9.30am near college campus. Begin with the introduction to season watch app, phenology and common trees of India. Students downloaded the app and then went out in the campus located campus trees like Gulmohar, Coconut tree, Badam Tree etc. Noted all the characters required on the app and uploaded the data about the trees. The field work ended by 9.30a.m. But it was not an end; students are continuously using the app to monitor the phonological changes in the trees.



8. Filed Trio to khotigao wildlife sanctuary

Department of Zoology, along with 39 Zoology Students of F.Y.BSc and 3 Staff members (Sheha, Sanchita Shiva Naik Deshmuk,) visited Khotigao Wildlife sanctuary as a part of Field Trip under the paper ZOCG 2 : Diversity of Chordates and Genetics Semester-II. Khotigao Wildlife sanctuary is the only Sanctuary present in Canacona Taluka. The Objective of the Field trip was to Interact, awareness and understand the Wildlife and its different aspects. The Students visited Butterfly Garden, Tree top & Tulshimol Trail in the Sanctuary. They also interacted with forest guards and officers to understand Biodiversity.



IV) Extension & Community Engagement

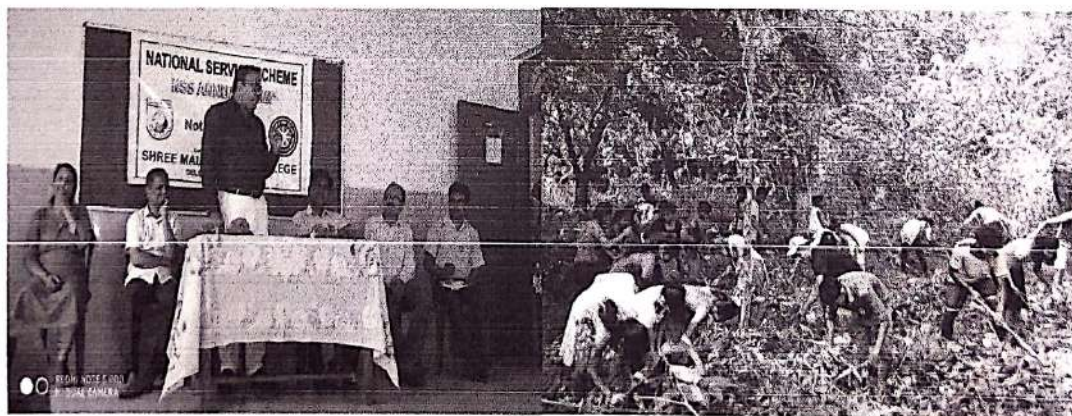
1. Pot Hole Filling on National Highway

On the eve of Teachers Day i.e. 5th Sept 2018, under the guidance of Principal Dr. F. M. Nadaf team of 9 volunteers and NSS Programme Officer Mr. Anand Velip rendered their physical services by participating in pot hole filling drive on National Highway No. 17 as well as on the interior roads in and around Chaudi.



2. NSS Special Winter Camp

The NSS Special Camp was organised between 19/11/2018 and 25/11/2018 at Government High School, Agonda – Canacona. In all 47 volunteers participated in the camp performing various task entrusted upon them. Along with physical activities, volunteers participated in variety of cultural programmes conducted during 7 days camp period. An awareness drive about Open Defecation Free (ODF) localities was also conducted in the vicinity areas of Agonda, Canacona.



3. Talk on “Green business and Enterprenuership”

The department of Botany organized a guest Workshop by Dr.Sangam Kuradeon 15th Jan 2019 in the College Auditorium at 12.00 noon. The guest Workshop organized on green business & entrepreneurship. The dept. of



Botany had invited six other higher secondary schools of all over Canacona to participate in the talk out of five had participated.

Dr. Sangam Kurade is the chairman and Managing Director of M/S. Zuari Foods & Farms Pvt. Ltd. & M/S. Tropical Mushroom (Goa) Pvt. Ltd. was the chief guest. . Dr. Kurade shared his experience, struggle & how he overcome the situation,how he managed, how to build up a green business. He gave guidance to the students shared his valuable knowledge and experiences. Then he interacted with the students in audience and staff members in the audience.



4. Tiger prowl with environment conservation and research organization (ECRO): Workshop.

The Department of Botany and Zoology organized a workshop named "TIGER PROWL" based on 'biodiversity' with Environment Conservation and research organization (ECRO).The workshop began with introduction given by Mrs Sanchita Naikgaunkar Ass. Prof (zoology) followed by welcome speech by Dr. Nadaf (vice-principal sir).



The workshop aimed towards sensitizing our students about the importance of studying our biodiversity and how to protect it. Mr. Dattaram Phadte (MSc. Env.Sci.&Tech.) President of ECRO with his team conducted the workshop. The program was divided into 2 parts. First part begins with presentation on Biodiversity and its components. Students were introduced to ecosystems and Sacred grooves of Goa. By the end of presentation students were able to understand the diversity of Biogeographical interaction with biodiversity of Goa.



5. Biodiversity walk with with arranya environmental research organisation (AERO)

Department of Zoology and Botany Conducted a Plant Animal interaction session with Biodiversity Walk and Talk. The Event was organized in association with Arranya Environmental Research Organisation (AERO).

The workshop began with introduction given by Mrs Akshatara Fernandes (Asst. Proffessor dept of zoology) followed by welcome speech by Jolita Fernandes Student (F.Y.BSc).

The workshop aimed towards the understanding Importance & identification of plants and animals in the field. The four team members of AERO Pronoy Baidhya, Viganesh Shinde, Shivcharan Gawns, Jalmesh Karapurkar along with F.Y.BSc students of Mallikarjun College conducted a field visit in the campus. Pronoy Baidhya introduced team members and talked about plant animal interaction. The Aero team members showed and explained different facts about plants, animals and birds in the campus though Field observation and leaning based activities such as survival race, videography. The vote of thanks was giving by Tanaya Gosavi Student F.Y.BSc.



Our 39 students of F.Y.B.Sc participated and immensely benefitted from the workshop. It was add on knowledge for our faculty members too.



6. Organisation of biomistics 2k19

The Department of Science of Shree Mallikarjun College ,Delem Canacona-Goa had organized the event Biomistics 2K19 ON 28TH February 2019.The chief guests for the event were Mr.Animesh Pal (Principal of Jawahar NavodayaVidyalaya Canacona Goa), Mr.Amit Kumar(PGT Physics Jawahar NavodayaVidyalaya Canacona Goa) and Mr. Amar Gaonkar(Headmaster of ShriKatyayaniBaneshwarVidyalaya,Canacona). The Chief Guests enlightened the audience by giving talk on Sir C.V Raman and his contribution in science and the importance of science day.

The following higher secondary schools Participated in the Event

- Jawahar Navodaya Vidyalaya Canacona-Goa
- Shree Mallikarjun Higher Secondary School, Canacona-Goa
- S.S. Angle Higher Secondary SchoolMashemCanacona-Goa
- Government HigherSecondary School, Canacona-Goa
- St.Theresa of Jesus Higher Secondary School, Canacona Goa

Total 71 students registered and participated in the event.

The competitions organized in the event were Project Models, T-Shirts Paintings, Photography,Extempore and Floral Rangoli.

The general objectives of the above competitions were as follows:

- To develop artistic skills.
- It help student to develop thinking power
- Help to improve their creativity.
- Initiating innovative ideas in youngster mind.
- Develop scientific skills.



- Develop artistic and photographic skills.
- To encourage student to popularize the science and technology.

The Teaching and Non-Teaching Staff of the college also attended the event. The competitions were judged by the few Teachers and Non-Teaching Staff of our college. The prizes were also distributed at the end. The winner of Biomistics2K19 was Jawahar NavodayaVidyalaya Canacona-Goa. The event successfully ended and program was concluded with vote of thanks by event Co-ordinator Mrs. Sanchita Naik Gaonkar.

