

DR. S.R.K. Government Arts College, Yanam
BEST PRACTICES (2017-18)

Best Practice-1

(ECO-CLUB: Environmental Awareness Programmes)

TITLE

SUSTAINING BIODIVERSITY AND ECOSYSTEMS /Protecting and creating environment awareness by educating the youth, offering programmes and resources for all.

OBJECTIVES

- To promote culture of conservation and minimizing the use important natural resources.
- To maintain cleanliness in and around the campus.
- To motivate the students to keep their surroundings green and clean by undertaking plantation.
- To educate students to create awareness amongst public and sanitary workers, Good sanitary practices , health and hygiene tips, to stop the indiscriminate dumping of waste.
- Compost (vermin compost) making to enrich soil.
- Suggesting creative activities to reduce, reuse and recycle of waste products and for conservation of resources.
- Celebration of eco-friendly days and wild life weeks.
- Minimize environmental hazards.
- Green energy initiatives.
- Effective spread of Awareness on Environmental issues local to global.
- Try to cut plastics.
- And invest in eco-friendly technology.

CONTEXT

Yanam forms a 30 km² enclave in the district of [East Godavari](#) in Andhra Pradesh. It has a population of 35,000. Climate is characterised by high humidity .Males constitute 51% of the population and females 49%.,district lies in the [delta](#) of the [Godavari River](#). Yanam receives irrigation water via the Bank Canal from River [Godavari](#). provides irrigation and drinking water. Yanam has a literacy rate of 80%, higher than the national average of 74.04%, with male literacy at 84% and female literacy at 77% with mixed [French](#) and [Telugu](#) culture, sometimes called Frelugu. In this region, the intersection between *environment* and *culture* is undeniable from agriculture to art to the industries and professions that dominate different societies , fishing is a prominent livelihood for many, issues of pollution in the water will be of much greater concern . Degradation of soil, water, and air, **agriculture** can also positively impact the **environment**, for instance by trapping greenhouse gases within crops and soils, or mitigating flood risks in Yanam. , factors determining population distribution accessibility like distance from sea coast, natural harbours, navigable rivers or canals, cultural factors, political boundaries,

controls on migration and trade ,all of these components and more will vastly affect the approaches and attitudes of various groups in the face of a changing landscape, and will be of much greater concern .The influence of Institutions on interplay between nature and society as well as the media is the overall narrative of the environment and how it should be treated.

In Colleges,Environmental Education and activities through ECOCLUBS for Students help to prepare efficient citizens and interact with other parts of the society in Promoting the values and roles of culture and cultural practices to support biodiversity conservation, ecosystem services, and Ecosystem management .

PRACTICE (MAJOR ACTIVITIES)

I. Classes undertaken to all first year degree students with creative Power Point Presentations (PPTs) and also interactive sessions held on the following Environmental issues.

1. **Alternate energy resources** on 14.2.2018
2. **Conservation of biodiversity (In-situ and Ex-situ conservation)** –on 27.2.2018
3. **Air, water, soil, nuclear and noise pollution** impacts on human Communities and agriculture, and Control measures. on 6 & 7.3.2018
4. Discussed about **Climate change, Global warming, Ozone layer depletion, Acid rains** etc. ,their impacts and control measures on 20 & 23.3.2018
5. **Solid waste management:** types, Impacts, Control measures of urban and industrial waste on 3.4.2018
6. **Human population growth:** Impacts on environment, human health and welfare on 16.4.2018
7. **Disaster management: floods, earthquake, cyclones and landslides** on 24.4.2018
8. **Role of Indian and other religions and cultures in environmental conservation** on 27.4.2018

II. Encouraged students for the usage of Bio-degradable items for daily use, as well as in different party's and festivals. They are **Paper plates, bowls and cups, Tissue papers, Paper and Jute bags**, uses of **Bio-fertilizers** (Vermi compost, plant and home wastes) in agriculture, horticulture and home gardens.

III. Displayed and demonstrated making of Bio-degradable Plant Products and Compost production with active participation of students on 20 & 23.4.2018.

The Eco Club along with NCC cadets and NSS volunteers of the college does its best efforts for a green campus.

EVIDENCE OF SUCCESS

1. ORGANIZED SEMINARS AND SPECIAL LECTURES INCLUDING STUDENTS PRESENTATIONS on Environmental issues in the College to learn and share knowledge on importance of Environment,

Ecosystems ,biodiversity- ethical, aesthetic and economic values (direct and indirect) by VERMA,types of pollution,effects and control measures,remediation, pollution impact on human health by Dr.K.SREE LATHA. Alternate energy resources by Vigneshwari. Climate change, Human population growth: Impacts on environment, human health and welfare by SOUNDARYA. Solid waste management by Dr.K.SREE LATHA. Disaster management and Role of Indian and other religions and cultures in environmental conservation by Prof.R.V.GOPALA RAO .Action based activities like tree plantation, cleanliness drives both within and outside the College campus. (PHOTOS ENCLOSED)

2. ‘YES YOU CAN DO IT’ A PROJECT ON WEALTH OUT OF WASTE – encouraging students to reuse and recycle waste for making biodegradable products. (PHOTOS ENCLOSED)

3. BIOFERTILIZER (VERMICOMPOST) MAKING and its usage for home gardens and in horticulture. (PHOTOS ENCLOSED).

4. WALL PAINTINGS: Campaign boards to generate awareness on college walls through paintings by DEEPAK KUMAR. (CERTIFICATE ENCLOSED).

PROBLEMS ENCOUNTERED:

Proper disposal of waste and Waste management

Land Use-resource-extractive approach to economic development

Energy wastage.

improper uses of aquatic resources

Deforestation.

no occupational safety.

RESOURCES REQUIRED:

Needs and interests of the community

Activity-based learning

1. Alternate energy resources on 14.2.2018 by SAI VIGNESWARI



2. Role of Indian and other religions and cultures in environmental conservation on 27.4.2018 by Prof.R V GOPALA RAO



3. Human population growth: Impacts on environment, human health and welfare on

16.4.2018

by PRANEET KUMAR



4. Air, water, soil, nuclear and noise pollution : impacts on human communities, agriculture, and Control measures on 6 & 7.3.2018 by Dr. K.SREE LATHA



Displayed and demonstrated making of Bio-degradable **Plant Products** and **Compost production** with active participation of students on 20 & 23.4.2018.



5. Conservation of biodiversity (In-situ and Ex-situ conservation) –on 27.2.2018 by R.SOUNDARYA



6. Climate change, Global warming, Ozone layer depletion, Acid rains etc.,their impacts and control measures on 20.3.2018 by KIRANMAYEE



7.Solid waste management: types, Impacts, Control measures of urban and industrial waste on 3.4.2018 by Dr. K.SREE LATHA



8.Disaster management: floods, earthquake, cyclones and landslides on 24.4.2018 by DEEPAK KUMAR



**COLLEGE CAMPUS CLEANING by STUDENTS (INCLUDING NSS VOLUNTEERS)
ON 05-01-2018**



WALL PAINTINGS: Campaign boards to generate awareness on college walls, BOTANICAL GARDEN AND GENERAL HOSPITAL through paintings by DEEPAK KUMAR.(CERTIFICATE ENCLOSED).



BIOFERTILIZER FROM HOME WASTE :



BEST PRACTICES-2

Title: Improving Teaching – Learning Processes

Objectives

- To adopt Student-centric Teaching Methods by encouraging all the Faculty Members to use ICT in Classroom Teaching.
- To ensure Timely Completion of Syllabus and to improve the Pass Percentage of Students.

The Context

- The Completion of Syllabus Teaching in some instances is being hurried through especially towards the End of a Semester whereby, Information on some Occasions is getting dumped on to the Students all at once.
Therefore, any Sluggish Coverage of the Syllabus during the Initial Phase of a Semester followed by such Hurried coverage during the Ending Phase of the Semester should be avoided; thus giving enough time to Students to Comprehend all the Topics equally well and to enable them to Assimilate the Concepts and Facts appropriately.
- For the purpose of Timely Completion of the Syllabus, Greater Involvement and Participation of Students and with a view to Molding them into Self-Confident Individuals in tune with the Present Generations of Tech Savvy Students available for the Job Market, the Faculty Members are making Efforts to Adopt the Latest Pedagogical Tools which include ICT along with the Conventional Talk and Chalk Teaching Methods.

The Practice

- A Faculty Development Programme of Eight (8) Days Duration was Organized by the College IQAC on the Topic of **E – Content Development and E – Learning Systems**. Necessary Training was Imparted, to all the Faculty Members of this Institution and also to the Faculty of other nearby Colleges, by a Team of Experts sent from the E-Governance Society, Puducherry.
- Participants were well Motivated to use ICT in all their Regular Teaching and Learning Activities without affecting their Conventional and Well Established Methods of Imparting Collegiate Education. As a part of this Programme, the visiting Team of Experts also trained the Faculties in the Usage and Application of Power Point Presentations, Animations, Interactive Videos and various available Higher Education related Websites.

- The Faculty Members in the English Language Department are using Android based Apps whereby the Students having Smart Phones are Encouraged to use them during the Regular Classes.

The Evidence of Success

- Every Subject Department in the College is Provided with a Laptop, a Projector, an LCD Screen and Wi-Fi Facility for Effective use and Application of the available ICT Tools.
- The College Seminar Hall is Equipped with a Smart TV, an LCD Screen, a Desktop PC and a Projector for Conducting Seminars, Workshops, etc..
- The Department of Mathematics has the additional provision of a Smart Board.
- As a Consequence of the Installation of the above mentioned Infrastructure within the Institution, the Faculty Members were able to put to good use some ICT Tools during their Regular Teaching Hours and were able to give a Satisfactory and Timely Ending (both for themselves and Students) to the Task of Completion of the Allotted Syllabus; and this Feeling was Observed to be Reflected in the Vastly Improved Students' Attendance during the Regular Lectures as well as in the form of Improvement in their Performances in different kinds of Assessments and Examinations held at various Levels.

Problems Encountered and Resources Required

- Development of Animation Based Power Point Presentations Especially in respect of Science Disciplines is becoming difficult due to the Non-availability of Technical Expertise within the Institution.
- Simultaneously, the Demand for ICT Resources is steadily increasing whereas; the Paucity of Funds with the College Administration is turning out to be the biggest Impediment being faced in this regard. This is certain to dampen the Spirit of the Faculties as they are very keen to adopt this Technology both extensively and intensively.
- Appropriate Proposals have also been submitted to the Government for Establishing Smart **Classrooms** for all the Programmes Offered by this Institution.
- More Number of Training Programmes need to be Conducted for the benefit of Faculty Members for the purpose of Exposing and Equipping them with the Full Knowledge and Understanding of the use of ICT in this Process.