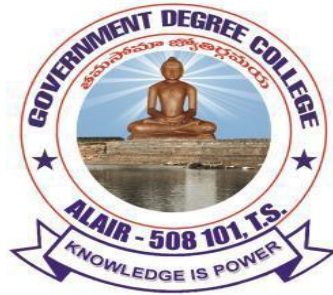
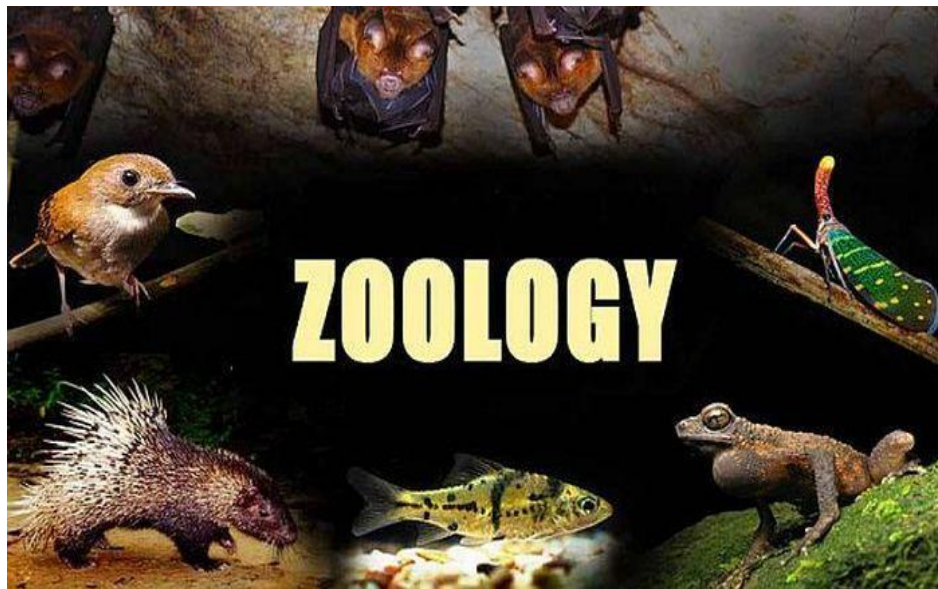


# GOVERNMENT DEGREE COLLEGE ALAIR, YADADRI BHONGIR.



## DEPARTMENT OF ZOOLOGY

### *PROFILE*



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## **1) ABOUT THE DEPARTMENT**

The Department of Zoology started in the year 2008.

Govt. Degree College ALAIR then affiliated to Mahatma Gandhi University.

[ISSN: 2249-1236; IF: 0.456 (2015)].

From that time we have only one sections viz B.Z.C( T/M) and(E/M).

At present Department has 01 sanctioned post.

### **OBJECTIVES:**

- To provide good and high educational quality.
- To improve the self-employment by giving directions towards applied Zoology.
- Encouraging the students to save the nature and resources of the earth.

### **VISSION:**

- The department of the zoology since its establishment drives the students to inculcate the interesting the subject by giving the live examples.
- To render the holistic development of the students towards changing world.
- Encourages the students towards scientific temper and attitude.
- Department contribute its efforts to make the students to face the challenges with the upgrading technology in the world.

### **MISSION:**

- To provide strong foundation in the concepts of animal structures, functions and behaviour.
- To enhance the application and skilled knowledge.
- To provide good guidance for self employment.
- By improving practical knowledge and skills which develops the self confidence among the students.
- Focussing mainly on the all round development of the students along with their psychological ideology.
- To improve the value of education , morals along with the subject.

## PERSONAL PROFILE

Full Name : **Dr. KANCHARLA SANDHYA**  
Father's Name : Agaiah  
Mother's Name : Sarojana  
Designation : Contract Lecturer in Zoology  
Qualification : M.Sc., Ph.D., TSSET.  
Date of Birth : 1<sup>st</sup> June, 1982  
Teaching Experience : 13 years in Government Degree Colleges



### **Academic Qualifications:**

**Ph.D (Zoology)**: "Studies on the Quality of Freshwater bodies and their suitability for Fish Culture" in Kakatiya University (2018).

**TSSET** - 2019

**MSc (Zoology)** : Kakatiya University in 2006

**B.Sc.,BZC** – Kakatiya University in 2003

### **Research Publications in International Journals**

PHYSICO-CHEMICAL PROPERTIES OF SOME SELECTED FRESH WATER FISH PONDS IN RELATION TO FISH PRODUCTION IN WARANGAL AREA - *Volume-6, Issue-4 Oct-Dec-2016 Coden: IJPAJX-CAS-USA, Copyrights@2015ISSN-2231-4490 Received: 10th July-2016 Revised: 30th Aug-2016 Accepted: 5 th Sept-2016 DOI: 10.21276/ Ijpaes http://dx.doi.org/10.21276/ijpaes Research article. International Journal of Plant, Animal and environmental Sciences.(Impact Factor-1.6)*

PHYSICO-CHEMICAL PROPERTIES OF WATER ARE THE INDICATORS OF THE WATER QUALITY – A CASE STUDY OF YELLANDA FRESH WATER FISH POND IN WARANGAL – ISBN 978-93-85518-10-2 *proceedings International Conference on Biotechnology & Bioengineering - Trends. ICBT-2017 sponsored by TEQIP-II, JNTUH, Telangana State, India.*

STUDIES ON SEASONAL VARIATIONS OF PHYSICO -CHEMICAL PARAMETERS IN A FRESH WATER LAKE AT UPPARAPALLE, WARANGAL DISTRICT, TELANGANA, INDIA -*ISSN: O: 2319-6475, ISSN: P: 2319-6505, Impact Factor: SJIF: 5.995 Available Online at www. Journalijcar.org Volume6; Issue 11;November 2017; Page No.xxxx DOI:http://dx.doi.org/10.24327/ijcar.2017.2346.0005 (Impact Factor-5.995)*

WATER QUALITY ASSESSMENT IS A TOOL FOR THE MONITORING OF CULTURE POND –A STUDY OF UPPARAPALLE FRESHWATER LAKE OF WARANGAL DISTRICT, TELANGANA STATE - *IMPACT: International Journal of Research in Applied, Natural and Social Sciences (IMPACT: IJRANSS) ISSN (P): 2347-4580; ISSN (E): 2321-8851 Special Edition, Jul 2018, 1-12 © Impact Journals (Impact*

Factor-4.6148)

ZOOPLANKTON ABUNDANCE IN RELATION TO PHYSICO-CHEMICAL PROPERTIES OF FRESHWATER-ASSESSMENT OF A PERENNIAL LAKE AT URBAN AREA OF WARANGAL URBAN DISTRICT, TELANGANA STATE. *IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT)* e-ISSN: 2319-2402,p- ISSN: 2319-2399. Volume 13, Issue 3 Ser. III (March. 2019), PP 63-70 [www.iosrjournals.org](http://www.iosrjournals.org)

THE E- LEARNING - IS IT AN EFFECTIVE TOOL IN SHARING KNOWLEDGE IN HIGHER EDUCATION? A REVIEW. *International Journal of Science and Research (IJSR)* ISSN: 2319-7064 SJIF (2019): 7.583

**Invited Lectures / Resource person / Paper presentation in Seminars / Conferences / Full paper in Conference Proceedings**

### **International Conference**

Proceedings International Conference On Biotechnology & Bioengineering - Trends. Icbt-2017 Sponsored By Teqip-Ii, Jntuh, Telangana State, India. PRESENTED PAPER TITLE : PHYSICO-CHEMICAL PROPERTIES OF WATER ARE THE INDICATORS OF THE WATER QUALITY – A CASE STUDY OF YELLANDA FRESH WATER FISH POND IN WARANGAL – ISBN 978-93-85518-10-2

PROCEEDINGS INTERNATIONAL CONFERENCE ON FISHERIES AND AQUACULTURE

ASIAN SOCIETY FOR ACADEMIC RESEARCH

“Development of an IOT – based module for water Optimozation in Paddy Fields” at the International Conference on Fisheries and Aquaculture (ICFA) held in Hyderabad, India on 15<sup>th</sup> August, 2021.

### **National Conferences**

National Seminar On Recent Innovations In Animal Sciences Organised By Department Of Zoology, Ku, Wgl. 17&18 March, 2017.

PRESENTED PAPER TITLE: AN ASSESSMENT OF THE PHYSICO CHEMICAL CHARACTERISTICS OF FRESH WATER FISH POND AT UPPERAPALLE, WARANGAL, TELANGANA, INDIA.

National Conference On Harmony With Nature In Context Of Environmental Issues And Challenges 21-23 December, 2017.

PRESENTED PAPER TITLE : ZOOPLANKTON ABUNDANCE IN RELATION TO PHYSICO CHEMICAL PROPERTIES OF FRESH WATER ASSESSMENT OF A PERENNIAL LAKE AT URBAN AREA OF WARANGAL URBAN DISTRICT, TELANGANA STATE.

National Conference On Frontiers Of Plant Research Prospects And Challenges Organised By Department Of Botany, Ku, Wgl.

PRESENTED PAPER TITLE : BIODIVERSITY OF PHYTOPLANKTON AND FISH ABUNDANCE IN A FRESH WATER LAKE

National Level Workshop on Collegiate Colloquium on e- Learning 16<sup>th</sup> April, 2019 sponsored by

RUSA Organised by PingleGDC for Women,Wgl.  
PRESENTED PAPER TITLE: THE E-LEARNING-IS IT AN EFFECTIVE TOOL IN SHARING KNOWLEDGE  
IN HIGHER EDUCATION?-A REVIEW.

National Seminar On Emerging Trends In Aquatic Biodiversity  
Sri Velagapudi Ramakrishna Memorial College Nagaram-522268, Guntur District, A.P.  
DELIVERED LECTURE ON PHYSICO CHEMICAL PROPERTIES OF FRESH WATER FISH POND AND  
FISH PRODUCTIVITY.

NATIONAL WORK SHOP ON BIOINFORMATICS AND SEQUENCE ANALYSIS ORGANISED BY DEPT. OF  
ZOOLOGY, KU, WGL. APRIL 26-28, 2018.

NATIONAL SYMPOSIUM ON INDIAN PHARMACEUTICAL ASSOCIATION , ROLE OF POLYMER  
TECHNOLOGY IN NOVEL DRUG DELIVERY SYSTEMS HELD AT ST.PETERS INSTITUTE OF  
PHARMACEUTICAL SCIENCES. HELD AT ST. PETERS INSTITUTE OF PHARMACEUTICAL SCIENCES.

INDIAN PHARMACEUTICAL ASSOCIATION, 4<sup>TH</sup> STUDENT CONGRESS, HELD AT ST.PETERS  
INSTITUTE OF PHARMACEUTICAL SCIENCES HELD AT ST. PETERS INSTITUTE OF  
PHARMACEUTICAL SCIENCES,HNK,WGL.

#### **STATE LEVEL CONFERENCES**

STATE LEVEL ONE DAY ORIENTATION PROGRAMME ON CBCS-QUALITY ENHANCEMENT AND  
SUSTENANCE ORGANISED BY IQAC, PINGLE GDC, WGL.

ONE DAY WORKSHOP ON SOFT SKILLS, ORGANISED BY IQAC, GDC, ETURUNAGARAM ON 30.03.2019.

## Previous Staff Details

### ***DR.PADMA SRI RAJANI***

Assistant Professor and Head Department of ZOOLOGY



### **Academic Qualifications:**

BZC – Osmania University

MSc( zoology ):Specialization in Environmental Science and Fish Biology – Osmania University - 1992.

Ph.D(zoology): Emendations in the carbohydrate and lipid metabolism of golden hamsters, mesocricetus auratus pertaining to a nematods ancylostoma ceylanicum infection.

### **Seminars/ Workshops/trainings attended**

1. One day international conference on Biodiversity Environment and Sustainable Development held from october 4-6, 1994 at Sarojini Naidu Vanita Maha Vidhyalaya Hyderabad.AP.
2. Participated in the 76<sup>th</sup> Orientation Course from 26-4-2012 to 23-5- 2012 and obtained “A” grade at University of Hyderabad.
3. Participated in the 76<sup>th</sup> Refresher Course from 29-11-2012 to 19-12- 2012 and obtained “A” grade at University of Hyderabad.
4. Participated in National seminar on AEROBIOLOGY AND PUBLIC HEALTH-2014 dept. of Botany, Univrsity College of Science, Saifabad,Hyd on 12th Dec,2014.
5. Participated in the programme titled “Basic Course on Disaster Management” from 31-1-2017 to 02-02-2017 at Dr.MCR HRDI,Hyd.
6. Participated in the programme of student study project on “Effect of Air and Water Pollution”at JIGNASA district level presentation and selection of student study projects on 29.12.2017.
7. Awarded “Certificate of Appreciation”for evaluating JIGNASA district level student study projects at disrtict resource centre,Nagarjuna government college(A),Nalgonda.
8. Participated in two-days orientation program on Gender sensitisation course ,CHETANA held on 3rd and 4th ,June,2016 by Commissionerate of Collegiate Education,TS.
9. Participated in three-days training program on Health initiatives and adolescence-BHAGYA under Rashtriya Kishore Swastya Karyakram(RKSK)from 3rd to 5th May,2016.
10. Participated in two-days orientation program on Nurturing young leaders in higher education,NIPUNA held on 12th and 13th ,May,2016 by Commissionerate of Collegiate Education,TS.Participated in one-day orientation program on MTS-Reorintation to IT coordinators and online courses, GANANA held on 20th,April,2016 by Commissionerate of Collegiate Education,TS.

11. Participated in three-days orientation program on Innovative Online Teaching-Learning and Effective Management in higher education, D-SAMPADA held on 1st and 3rd JUNE,2016 at Dr. MCR HRDT,HYD by commissionerate of collegiate education,TS.
12. Participated in two-days Workshop on Quality Initiatives and Evaluation Reforms to Assess HEIs-the role of IQAC held on 7<sup>th</sup> and 8<sup>th</sup> of February 2020 by IQAC of Government Degree College for Women Srikalahasti Chittor dist. Andhra Pradesh.
13. Participated in one-day orientation program on MTS-Reorientation to IT coordinators and online courses, GANANA held on 20th, April, 2016 by Commissionerate of Collegiate Education, TS.
14. Participated in three-days orientation program on Innovative Online Teaching-Learning and Effective Management in higher education, D-SAMPADA held on 1st and 3rd JUNE,2016 at Dr. MCR HRDT,HYD by commissionerate of collegiate education,TS.
15. Participated in two-days Workshop on Quality Initiatives and Evaluation Reforms to Assess HEIs-the role of IQAC held on 7<sup>th</sup> and 8<sup>th</sup> of February 2020 by IQAC of Government Degree College for Women Srikalahasti Chittor dist. Andhra Pradesh

### **Teaching Staff :**

Sl.No.	Name of the Teaching Staff	Designation	Highest Qualification
1	Dr.K.Sandhya	Lecturer	M.Sc., Ph.D, TSSET

### **1) Teaching Staff Work load particulars**

S.No	Name of The Faculty	Work Load Per Week
1	Dr.K.Sandhya	22

**Govt Degree College, Alair Yadadri Bhongir**  
**B.Sc (BZC) 2021-22 Time Table**

**Lecturer Name: Dr.K.SANDHYA**

**Subject: ZOOLOGY**

	I (10.00-11.00)	II (11.00-12.00)	III(12.00-1.00)		IV(1.30-2.30)	V(2.30-3.30)	VI(3.30-4.30)
<b>MON</b>	Zoo-V		Zoo-I	L u n c h		Zoo (Practicals) -II	
<b>TUE</b>	Zoo-III		Zoo-V		Zoo-I	←————→	
<b>WED</b>		Zoo-II	Zoo-V		Zoo( Practical) -I		
<b>THU</b>	Zoo-III	Zoo-I			Zoo-V	←————→	
<b>FRI</b>	Zoo-III				Z Zoo (Practicals) -V		
<b>SAT</b>		Zoo-I					

**Additional responsibilities of the faculty**

S.No	Name of The Faculty	Additional Responsibilities
1	Dr.K.Sandhya	<ol style="list-style-type: none"> <li>1. BZC-II Year Incharge/Mentor</li> <li>2. Health Bhagya Coordinator</li> <li>3. Green Audit Member</li> <li>4. Cultural activities Member</li> </ol>



## 5) STUDENT PROFILE:

### i) Courses offered

- B.Sc            1. B.Z.C (T/M)  
                    2. B.Z.C (E/M)

### ii) Syllabus:

Department of Zoology following common core syllabus framed by Mahatma Gandhi University. From this academic year (2018-2019) following CBCS semester system.

YEAR	SEMESTER	PAPER	CODE	TITLE OF THE PAPER
I	I	I	BS105	Animal Diversity-Invertebrates
	II	II	BS205	Animal Diversity-Vertebrates
II	III	III	BS305	Animal Physiology
	IV	IV	BS405	Cell Biology, Genetics and Developmental Biology
III	V	V	BS504	Immunology and Animal Biotechnology
		VI	BS507	Project Work
	VI	VII	BS604	Applied Zoology
		VIII	BS607	Project Work



**GOVERNMENT DEGREE COLLEGE , ALAIR (dist) YADADRI BHONGIR**  
**Zoology Results**

**Students Performance Analysis for a period of 5 consecutive years.**

	Year	Papers	No. of Students Appeared	No. of Students Passed	Pass Percentage	
1	2014-15	I	11	5	45%	55.25%
		II	8	5	63%	
		III	8	4	50%	
		IV	8	5	63%	
2	2015-16	I	9	9	100%	100%
		II	11	11	100%	
		III	7	7	100%	
		IV	7	7	100%	
3	2016-17	I(sem I)	23	22	96%	52%
		II(sem II)	20	10	50%	
		II	8	4	50%	
		III	12	5	41.66%	
		IV	11	2	18.18%	
4	2017-18	I	16	2	12.50%	57.16%
		II	13	5	38.46%	
		III	16	11	68.75%	
		IV	13	12	92.30%	
		III(annual)	7	2	28.57%	
		IV(annual)	7	7	100%	
5	2018-19	I	7	3	42.85%	72.75%
		II	6	3	50%	
		III	13	10	76.92%	
		IV	12	5	41.66%	
		V	13	12	92.30%	
		VI	13	12	100%	
		VII	13	10	76.92%	

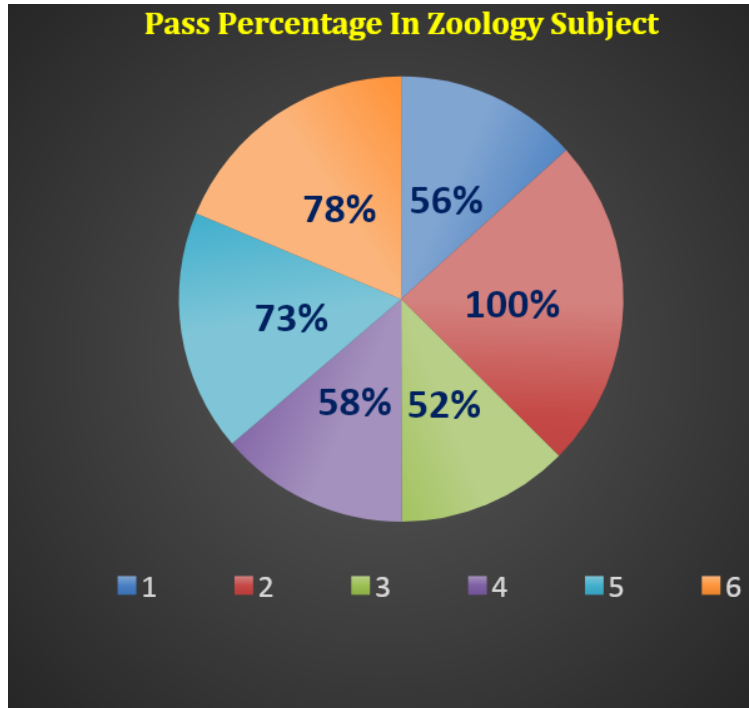
					%	
		VIII	13	13	100%	
6.	2019-2020	I	08	06	75%	77.62%
		II	08	06	75%	
		III	04	04	100%	
		IV	04	03	75%	
		V	12	06	50%	
		VI	11	09	82%	
		VII	11	08	73%	
		VIII	11	10	91%	

RESULTS:

**Department of Zoology**

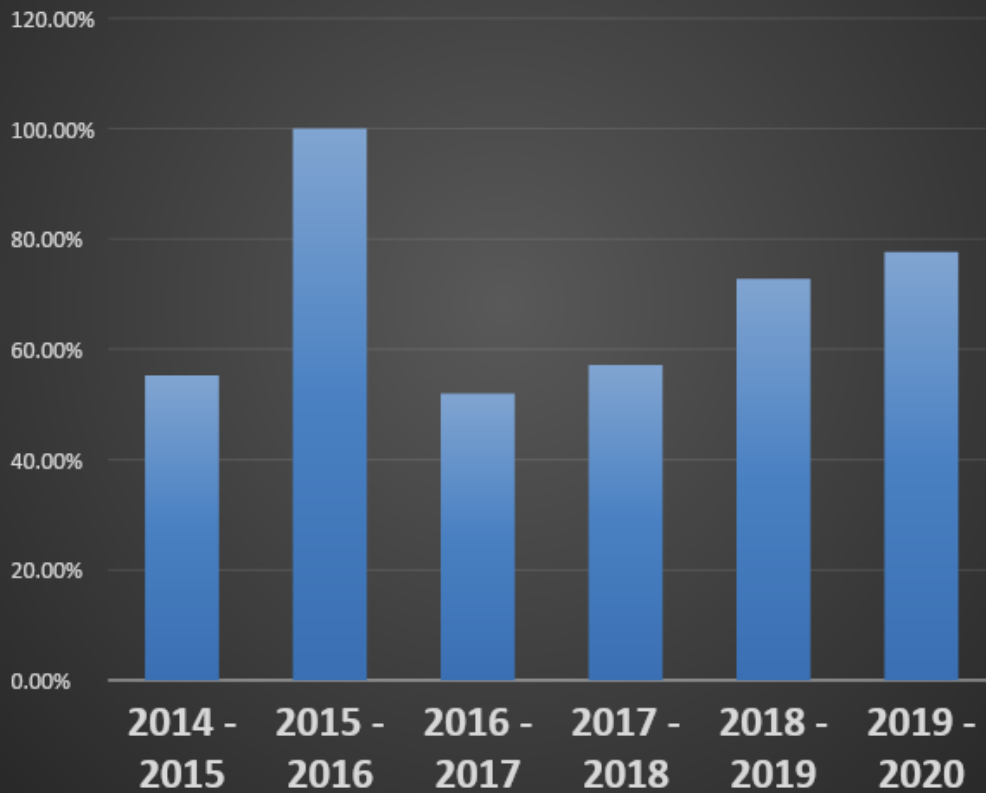
<b>S.No</b>	<b>Academic Year</b>	<b>Pass Percentage</b>
<b>1</b>	<b>2014 - 2015</b>	<b>55.25%</b>
<b>2</b>	<b>2015 -2016</b>	<b>100%</b>
<b>3</b>	<b>2016 -2017</b>	<b>52%</b>
<b>4</b>	<b>2017 -2018</b>	<b>57.16%</b>
<b>5</b>	<b>2018 -2019</b>	<b>72.75%</b>
<b>6</b>	<b>2019 -2020</b>	<b>77.62%</b>

**Graphical Representation of 5 academic years Results**



**Graphical Representation of 5 academic years Results**

# Pass Percentage in Zoology Subject



### Guest and Extension Lectures :

The Department of Botany organized guest lectures and extension lectures by eminent personalities to impart Knowledge to the students to latest development in the Botany and also general awareness of science and technologies.

S.No	YEAR	NAME OF THE RESOURCE PERSON	TOPIC	ADDRESS
1	2014-15	T. Nagender Kumar	Genetics and Applications	Retd.Asst.Prof of zoology,GDC-Alair
2	2015-16	T. Nagender Kumar	Immunology	Retd.Asst.Prof of zoology,GDC-Alair
3	2016-17	A.Venu Gopal	Fisheries	Supervisor
4	2017-18	T. Nagender Kumar	Carbohydrate s Metabolism	Retd.Asst.Prof of zoology,GDC-Alair
5	2018-19	Y.Narsimha Swamy	Transgenesis	S.V.Degree College,Alair
6.	2019-2020	Dr.Kiran, Prof.of Botany, Osmania University.	Cloning Techniques	Prof.of Botany, Osmania University.
7.	2020-2021	Dr.K. Dinesh, Asst.Prof. of Zoology	Blood Groups	Kakatiya Degree College, Hanamkonda.
8.	2021-2022	Dr.P.S.Rajani, Asst.Prof. of Zoology	Hypersensitivity	GDC, Begumpet,Hyd.



### 8) Study Projects :

The Department of zoology gave project works to meritorious students in various topics to inculcate research activities amongst students. It also helps students to develop innovative ideas.

S.No	Year	Title of the Project	Students Involved	Grade
1	2014-15	Obesity	B.Ashwini N.Jhansi G.Swapna M.Mamatha	A
2	2015-16	Silkworm culture	MD.Farhana MD.Shaheen K.Mamatha V.Mamatha M.Uma	A+
3	2016-17	Iodised salt and its effects	Ch.Bhavani K.Sravanthi T.Anjaneyulu Himabindu T.Bhavani Thaslim	A+
		Symptoms of Swine flu	K.Mamatha SK.Farhana M.Uma	A+
4	2017-18	Air pollution and its effects	M.Ajay kumar D.Shirisha E.Jhansi M.Swarna G.Kalyani	A+

5	2018-19	Food Wastage	N.Sowjanya B.Swapna A.Uday R.Manasa B.Venu G.Kavitha	<b>A+</b>
		Dengue Fever	Ch.Bhavani T.Bhavani T.Rajeshwari M.Mamatha M.Ajay kumar M.Kalyani G.Kalyani D.Shirisha M.Suvarna	<b>A</b>
6.	2019-2020	Corona virus	V.Chaithanya	<b>A+</b>
7.	2020-2021	Water Analysis	Ch.Mamatha K.Swathi	<b>A</b>

### **Projects/Seminars/Assignments**

Projects, student seminars and assignments were given to the students and evaluated and given grades.

**CO CURRICULAR /EXTRACURRICULAR ACTIVITIES CONDUCTED BY THE DEPARTMENT**

<b>S.NO</b>	<b>Academic year</b>	<b>Name of the activity</b>	<b>Name of Resource person</b>	<b>Participated Students</b>
<b>1</b>	2015-2016	Quiz competition on human heart/Group Discussion on plants and animals	<b>Interdisciplinary</b>	BZC Students
<b>2</b>	2016-2017	Quiz competition	<b>Interdisciplinary</b>	BZC Students
<b>3</b>	2017-2018	Quiz competition on human heart/Group Discussion	Dept faculty	BZC Students
4	2018-2019	Quiz competition	Dept faculty	BZC Students
5	2019-2020	Quiz in general science	Dept faculty	BZC Students
6	2019-2020	Quiz competition Game Show	Dept faculty Dept faculty	BZC Students

**Harithahaaram**

The programme of Harithahaaram launched by Member of Legislative Assembly Smt. Gongidi Suntha Mahedra Reddy on 03/07/2015 at GDC,Alair Nalgonda Dist. Subsequently involved all the leaders of the protocol followed by the Principal of GDC,Alair and GJC principal Sri Shailam garu ,faculty and students.

As NSS PO,NSS volunteers participated in planting 49 saplings at Manthapuri village took much interest in planting and all the participants took oath on this occasion of plant and protect the saplings to make the green cover over Telangana state.

## **JIGNASA:**

**Student study project selected for JIGNASA at district level ...Yadadri-Bhongir**

**District in the year 2016-17. TOPIC: Iodised salt importance and its effect.**

## **HEALTH CAMPS:**

<b>YEAR</b>	<b>DATE</b>	<b>ACTIVITY</b>
2016-2017	15.11.2016	Health camp on Anaemia ,Health and Hygiene
2017-2018	23.10.2018	Blood Donation Camp in association with Red Cross Society
2018-2019	07.03.2019	Blood Donation Camp in association with Lions Club
2021-2022	16.09.2021	Covid Vaccination Camp
2021-2022	27.09.2021	Extention Lecture on Blood Groups
2021-2022	09.11.2021	Extention Lecture on Red Ribbon Club

## **Field Trips**

- Visited **Centre for Cellular and Molecular Biology, Hyderabad** on dt. 26.11.13.
- Field trip to **Prof. JayaShanker Telangana State Agricultural University** ,Hyd.on 4.9.2015
- Visited Arts College, **Osmania University and Birla Planetarium**, Hyderabad on 07.02.2016
- Field trip to **Seri Culture Unit at Rajapeta**, Yadadri-Bhongir dist. On 04.11.2017
- Visited **CIMAP and Nehru Zoological Park** Hyderabad on 03.02.2019.

## 11) DEPARTMENTAL ANNUAL PLAN 2020-2021

S.No	MONTH	ACTIVITY
1	JUNE-21	1)Preparation of Annual curricular plan and Lecturer wise 2)Student admissions 3) World Population Day 4)recording of student progression 5)Annual exams results review, syllabus allocation to the Lecturers for the academic year of 2019-2020
2	JULY-21	1) Departmental staff meeting 2)Orientation class for first year students 3) Commencement of student seminars, field trips, competitions and allotment of study and science projects to students
3	AUG-21	1) Departmental staff meeting 2)Importance of Break milk (Ig A) 3)First unit test for II & III year students
4	SEPT-21	1) Departmental staff meeting and review of first unit test results 2)Essay writing Competition on Nutrition 3)Awareness Programme on Handwash & Cleanliness 4)Posh Abhiyan 5)World Ozone Day 6)Remedial classes for backlog students
5	OCT-21	1) Departmental staff meeting and review of unit test results 2)Remedial classes for backlog students 3) Conduct of Quiz competition for final year students
6	NOV-21	1)Departmental staff meeting. 2) Conduct of third unit test for II & III year students and second unit test for I year students 3)Conduct of student seminar classes by I & II year students 5) Conduct of quiz competition for II year students
7	DEC-21	1) Departmental staff meeting and review of unit test results 2)Collection of study projects and science project reports from the students 3)Term examinations 4)Conduct of quiz competition for I year students
8	JAN-21	1) Departmental staff meeting and review of term exam results 2) Remedial classes for backlog students 3)Conduct of Pre-final examinations

9	FEB-21	1) Departmental staff meeting and review of pre-final exam results 2) Commencement of practical examinations 3) Conduct of science day
10	MAR-21	1) Departmental staff meeting and review of academic matters 2) Annual examinations

### Learning Resources:

We have Departmental library equipped with 12 Telugu Academy text books and 25 Gender sensitization books and practical manuals.

- CDs

### 12) Infrastructural facilities:

- One Electric Centrifuge ,
- 2 Simple Microscopes ,
- 4 Compound Microscopes .
- Animal Models, Specimens & Slides as per the Syllabus
- a) Library
- Central Library facility is available for the students in the College Campus.
- Department Library facility is available for reference.
- b) Internet facilities for staff & students
- Internet facility is available to both faculty and students.
- c) Class rooms with ICT facilities
- e-classroom is used for ICT based lecture and seminars.
- d) Laboratories
- We have one full equipped laboratory for Zoology.

### Achievements & Highlights

The Department of Zoology produced large number of alumni have distinguished in academic, administrative area occupying positions of responsibilities in industries and academic institutions. In addition to the above many several students

getting admissions in P.G courses regularly



## **Best Practices:**

### **Title of the Practice:**

#### **Organic farming by the students.**

Objectives of the practice: To prepare vermicomposting by using the biodegradable waste in the 10 acres of the college land, and growing vegetables from the bio fertilizer so obtained. This practice is intended to educate the farmers of the village and to be idealistic to the society and students and to maintain eco balance to live in harmony with the environment.

#### **2.The context:**

The college is located in a vast area of 10 acres land, Though it is a matter of pride to us, it has got its own disadvantages. Due to rains, many weeds rise up in the ground making the campus dirty, this became a recurrent problem. The cleaning and dumping of solid waste has become a challenge to the college management. To get rid of the bio waste, the life sciences departments have come up with an innovative idea of dispensing with the solid waste and at the same time making good use of it.

#### **3.The practice:**

The solid waste is collected and segregated into bio and nonbio degradable wastes first. This work is done by the NSS candidates. Girls and boys take up this work. After segregating the bio degradable waste is dumped into the vermi compost pit meant for this purpose. Some rotten vegetables are kept and a layer of soil is covered. Now earthworms are sprinkled on this. Now the pit is covered with the remaining soil and after one month the biofertilizer is ready for use. The bio fertilizer, so obtained is used for the vegetable plants grown in the garden inside the building. This practice is so innovative that the students of B.Z.C group undertake it with a lot of excitement This is a low cost practice, only the pit is dug and few earthworms are purchased. The practice is repetitive and only needs the garbage to be dumped into the pit. The earthworms lay eggs and the eggs are turned into new earthworms, the process continues. The college is known for this best practice as it has set a model of ecological balance. The college is privileged to have this campus.

#### **4.Evidence of success:**

The news of this practice has spread out and we got appreciation from the MLA for implementing such an innovative method. The practice is given more publicity, so that the programme becomes a model and can be practiced by the local people.

## 5.Problems encountered, and resources required:

The campus being very big and the growth of weeds was so more in number, that the students of NSS found it difficult to cut the weeds time to time. As the college has more number of girl students compared to boys, the removing of weeds was a challenge for us. We could do it successfully with collective effort. The earth worms are available in shops. The soil here is alkaline in nature hence not supportive to the growth of plants. Hence the acquisition of soil was another task. As the college has got meagre funds, the removal of weeds in the wide campus and beautification of the campus is a challenge.

More than 50 different plant varieties of medicinal importance were collected from The programme of Harithaaram launched by Member of Legislative Assembly Smt. Gongidi Suntha Mahendra Reddy on 03/07/2015 at GDC,Alair Nalgonda Dist. Subsequently involved all the leaders of the protocol followed by the Principal of GDC,Alair DR. Vijaya Bhasker Rao and GJC principal Sri Shailam garu ,faculty and students followed by every year.

Intimating the parents and students through POST CARDS regarding their absence and advised to report the college immediately in the year 2014,15 and 2016.

15. **Innovative Practices:** Collection of biography of scientists. Implementation of counselling Box.

**GALLERY:**



**BEST TEACHER AWARD DT:15-8-2018(YADADRI BHONGIR DISTRICT LEVEL)**



**Student Seminar**



ICT Class







NATIONAL NUTRITION WEEK





SCIENCE EXPO



VISTING THE VR JUNIOR COLLEGE





CONDUCTING TALENT TEST





SCIENCE EXPO



NSS VALIDICTORY PROGRAM

BLOOD DONATION CAMP



HARITHA HARAM





OATH ON HARITHA HARAM



HARITHA HARAM IN NSS





POLIO DROPS PROGRAM



WORLD NUTRITIOUS WEEK



BLOOD DONATION CAMP





CERTIFICATE COURSE



NATIONAL EDUCATIONAL POLICY SURVEY AT ATMAKUR



Municipal Chairman, Alair has provided Sanitization in the College premises,  
Total Class rooms, Staff room on 30.08.2021





**నేటి నుండి ప్రారంభం కానున్న  
డిగ్రీ తృతీయ, ద్వితీయ  
సంవత్సర తరగతులు.....  
ప్రిన్సిపాల్**



నేటి వాస్తవాలు యాదాద్రి భువనగిరి  
జిల్లా ప్రతినిధి:



ప్రభుత్వ డిగ్రీ కళాశాల అలేరు నందు బి. ఏ. బి. ఎస్సీ మరియు బీరాం తృతీయ ద్వితీయ సంవత్సరం విద్యార్థులకు ప్రభుత్వ అవేశానుసారం నేటి నుండి తరగతులు ప్రారంభించబడును. ప్రతి విద్యార్థి తప్పనిసరిగా మాస్కు ధరించాలి. ప్రతి ఒక్కరు కూడా శానిటైజర్ తీసుకుని తరగతులకు హాజరు కావాలని, నిబంధనలను పాటించని విద్యార్థినీ విద్యార్థులను తరగతులకు అనుమతించబడదు. పై నిబంధనలు పాటిస్తూ విద్యార్థినీ, విద్యార్థులు తరగతులకు హాజరు కావాలని ప్రభుత్వ డిగ్రీ కళాశాల ప్రిన్సిపల్ సిహెచ్ సత్యనారాయణ ఒక ప్రకటనలో తెలియజేశారు.



Alair, Telangana, India  
NH163, Alair, Telangana 508101, India  
Lat 17.646955°  
Long 79.053092°  
02/09/21 03:26 PM

GPS Map Camera

Requesting to Medical Health Officer for the conduction of Medical camp for Covid 19 Vaccination to all the students and Staff of our College



Animal Photographs Collection in College premises by Students



Animal Photographs Collection in College premises by Students





**Dumping of Solid bio-waste straw dumping in the vermin compost pit**



**Vermicompost Preparation**



**Mixing of earth worms**





# కిరణాలు

## సేంద్రియ ఎరువుల వినియోగంపై అవగాహన

**అలేరు టౌన్ (కిరణాలు):** వర్మికంపోస్ట్ ద్వారా ఉత్పత్తి అయిన సేంద్రియ ఎరువులతో కలిగే ఉపయోగం పై అలేరు పట్టణంలో బుధవారం ప్రభుత్వ డిగ్రీ కళాశాలలో



వర్మికంపోస్టు గుంతను విద్యార్థులతో కలిసి పరిశీలిస్తున్న ప్రిన్సిపాల్ సత్యనారాయణ.

అలేరు వాసులకు అవగాహన కార్యక్రమం నిర్వహించారు. ఈ సందర్భంగా కళాశాల ప్రిన్సిపాల్ డా.సిహెచ్ సత్యనారాయణ మాట్లాడుతూ సేంద్రియ పద్ధతులలో తయారయిన ఎరువులు పర్యావరణానికి మేలు చేయడమే

గాక, రసాయనిక ఎరువుల అవశేషాలు లేని పంటలు పండటమే గాక మనకు ఎంతో ఆరోగ్యం కల్గుతుందని అన్నారు. కళాశాల ఆవరణలో గడ్డి, పనికెరాని మొక్కలను వర్మికంపోస్టు గుంతలో వేయాలని అనంతరం ఈ గుంతలో ఆవుపేడ, వానపాములను కలిపి 24 రోజుల తర్వాత సేంద్రియ ఎరువు ఏర్పడుతుందని అన్నారు.

ఈ ఎరువులను కళాశాలలోని పూల మొక్కలకు ఎరువుగా వాడడం ద్వారా వాటికి పోషకాలు అందుతాయని అన్నారు. వర్మికం పోస్టు తయారీ, దాని ప్రాముఖ్యత గురించి విద్యార్థులకు, అలేరు ప్రాంత రైతులకు సేంద్రియ ఎరువుల ప్రాముఖ్యత గురించి తెలియజేయాలన్నదే తమ ఉద్దేశ్యమని అన్నారు. అంతకు ముందు కళాశాల ఆవరణలో ఏర్పాటు చేసిన వర్మికం పోస్టు గుంతను విద్యార్థులతో కలిసి ఆయన పరిశీలించారు. ఈ కార్యక్రమంలో కళాశాల అధ్యాపకులు రేవతి, జైపాల్, హరిత, వెంకటేశం, కిషన్, రాజు, విద్యాసాగర్, నాగరాజు, విద్యార్థుల తల్లిదండ్రులు, సిబ్బంది రేవంత్, ప్రవీణ్, సుజాత, కరుణాకర్ తదితరులు పాల్గొన్నారు.

# విద్యార్థులకు కోవిడ్ వ్యాక్సిన్ శిబిరం



కోవిడ్ వ్యాక్సిన్ వేస్తున్న దృశ్యం..  
ఆలేరు, సెప్టెంబర్ 16 ప్రభాతవార్త

ఆలేరు ప్రభుత్వ జూనియర్ కళాశాల ఆవరణలో గురువారం కోవిడ్ నివారణ కోసం వ్యాక్సిన్ శిబిరాన్ని ఏర్పాటు చేశారు. ఈ సందర్భంగా కళాశాలలోని హెల్త్ భాగ్య, ఎన్ఎస్ఎస్ యూనిట్ సంయుక్త ఆధ్వర్యంలో ప్రాథమిక ఆరోగ్య కేంద్రం వారు సహకారంతో కోవిడ్ వ్యాక్సిన్ శిబిరాన్ని నిర్వహించారు. విద్యార్థులకు వ్యాక్సిన్ వేయించారు. కార్యక్రమంలో కళాశాల ప్రిన్సిపల్ సిహెచ్.సత్యనారాయణ, డా॥రాజేందర్, డా॥శ్రావణ్; తహశీల్దార్ గణేష్ నాయక్, మున్సిపల్ కమిషనర్ ఆల్లె మారుతి ప్రసాద్, ఐటిఐ కళాశాల ప్రిన్సిపల్ హరికృష్ణ, సిబ్బంది, అధ్యాపకులు తదితరులున్నారు.



## ప్రభుత్వ డిగ్రీ కాలేజీలో కోవిడ్ వ్యాక్సిన్ శిబిరం నిర్వహణ

**ఆలేరు రూరల్ (కిరణాలు):** ఆలేరు మండల కేంద్రంలోని ప్రభుత్వ డిగ్రీ కళాశాలలో హెల్త్ భాగ్య, ఎన్ఎస్ఎస్ సంయుక్త ఆధ్వర్యంలో ప్రాథమిక ఆరోగ్య కేంద్రం సహకారంతో కోవిడ్ వ్యాక్సిన్ శిబిరాన్ని నిర్వహించారు. ఎటువంటి అటో హాలు చెందకుండా విద్యార్థులు కోవిడ్ టీకా ఇమ్మించుకోవాలని సూచించారు. విద్యార్థిని విద్యార్థులు 75మంది టీకా వేసుకున్నట్లు వివరించారు. ఈ కార్యక్రమంలో ప్రభుత్వ డిగ్రీ కాలేజీ ప్రిన్సిపల్ సత్యనారాయణ, తహశీల్దార్ గణేష్ మున్సిపల్ కమిషనర్ మారుతి ప్రసాద్, డాక్టర్లు రాజేందర్, శ్రావణ్, ఐటిఐ కాలేజీ ప్రిన్సిపల్ హరికృష్ణ, ప్రాథమిక ఆరోగ్య కేంద్ర సిబ్బంది, ఎన్ఎస్ఎస్ ప్రోగ్రాం ఆఫీసర్ వెంకటేష్, హెల్త్ భాగ్య కోఆర్డినేటర్ సంద్య, అధ్యాపకులు జయపాల్, రేవతి, రాజు, హరిత, కిషన్, విద్యార్థులు హాల్లోన్నారు.

## COVID Vaccination Camp in GDC,Alair.







Water Collection for Student Study Project



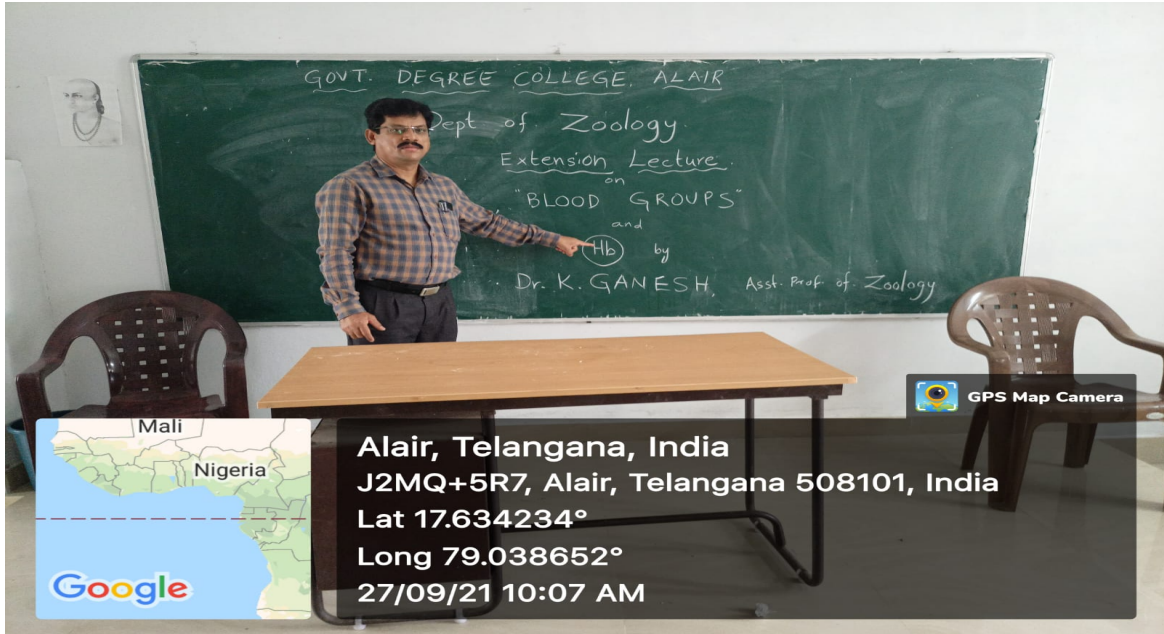


Identification of Zooplankton in Zoology Laboratory



Extention Lecture by Dr . K. Ganesh, Asst Prof. of Zoology, KGC,Hanamkonda.





Extension Lecture by Dr . P.S.Rajani, Asst Prof. of Zoology, GDC, Begumpet, Hyd.



Extention Lecture by Ch.Ramya, Navabharath Degree College, Bhongir



ICC Awareness Programme





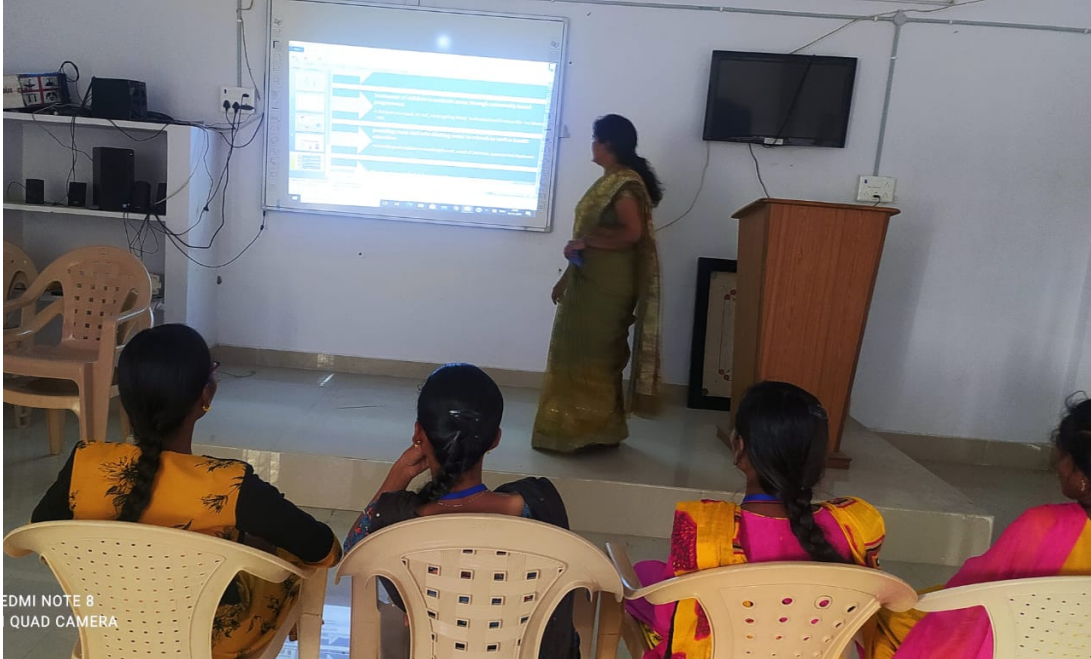
## District Level Quiz Competition on AIDS & TB by Red Ribbon Club



## ICT Class on Schistosoma haematobium







ICT Class on Precautionary measurements of COVID



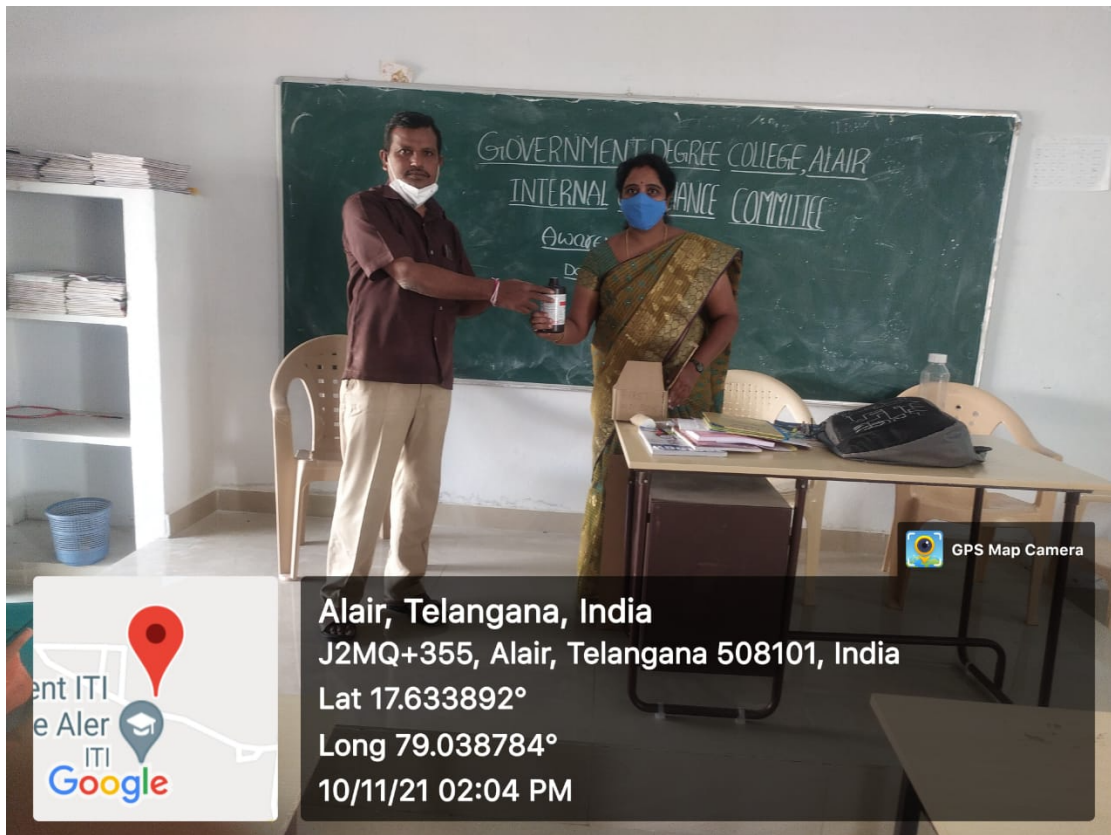
Student Seminar on Polyp & Medusa Structure



Student Seminar



## Student Seminar



First Aid Box provided by PHC

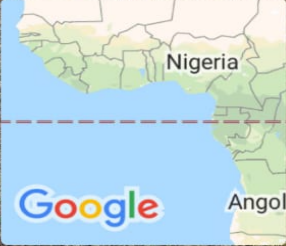




Collection of Vermicompost by the Students



GPS Map Camera



Alair, Telangana, India  
 Aleru to Zilalpuram, Alair, Telangana 508101, India  
 Lat 17.633905°  
 Long 79.038661°  
 01/11/21 02:13 PM

## పర్యావరణ నివేదిక సమావేశం



### మాట్లాడుతున్న యాదయ్య

ఆలేరు, అక్టోబర్ 7 (ప్రభన్యూస్) : ఆలేరు ప్రభుత్వ డిగ్రీ కళాశాలలో గురువారం పర్యావరణ నివేదిక సమావేశం జరిగింది. డాక్టర్ బెల్లి యాదయ్య హాజరై మాట్లాడారు. పర్యావరణ ప్రాధాన్యతను వివరించారు. ప్రీన్సిపాల్ డాక్టర్ సిహెచ్ సత్యనారాయణ, కోఆర్డినేటర్ హరిత, అటవి శాఖ అధికారి బి శంకర్, మున్సిపల్ ఇంజనీర్ కళ్యాణ్, రాజు, జయపాల్, వెంకటేశం, డాక్టర్ సంధ్య తదితరులు పాల్గొన్నారు.



Fri, 08 October 2021  
<https://epaper.prabhanews.cc>



Green Audit Report Submitted by GDC, Alair.





External Auditor ( Forest Range Officer , Jangoan) for Green Audit





Given Letter to Forest Range Officer , Jangaon as a External Auditor for Green Audit in GDC,Alair.