

Report on Two-Day National Conference on Artificial Intelligence and Machine Learning for Life Science

Date: 15th November 2025

Venue: SRR & CVR Government Degree College, Vijayawada

Introduction:

A two-day National Conference on Artificial Intelligence and Machine Learning for Life Science was conducted on 15th November 2025. The event aimed to bring together researchers, academicians, and students to explore the applications of AI and ML in advancing life sciences.

From our institution, a team of three members participated:

G. Venika (Lecturer, Department of Zoology) and two students, P. Vishalya Sumasri and K. Bhanu Surya from B.Sc. Zoology Honours (1st Year).

Activities and Achievements:

The conference consisted of expert talks, technical sessions, workshops, and interactive discussions. All these provided profound insights into the role of AI and ML in life sciences.

Participants gained knowledge about:

- Use of machine learning tools
- Data-driven approaches
- Biological data analysis techniques and Predictive modeling

Our team actively participated in different sessions and academic activities. The major achievement includes:

The students, P. Vishalya Sumasri and K. Bhanu Surya, secured 2nd Prize in the Poster Presentation, showcasing excellent understanding and presentation skill



Extremely communicated to others under the guidance of Lecturer G. Venika, Department of Zoology.

Conclusion:

The two-day National Conference was enriching, highly informative, and academically inspiring. It provided exposure to emerging technologies and highlighted the importance of Artificial Intelligence (AI) and Machine Learning (ML) in shaping the future of Life Sciences.

The achievements of the students added pride to the department. Overall, the experience significantly contributed to the academic growth of the participants.

G. Venika

Lecturer in Zoology- G.Venika

Students names

K. Bhanusurya

P. Visalya Sumasri



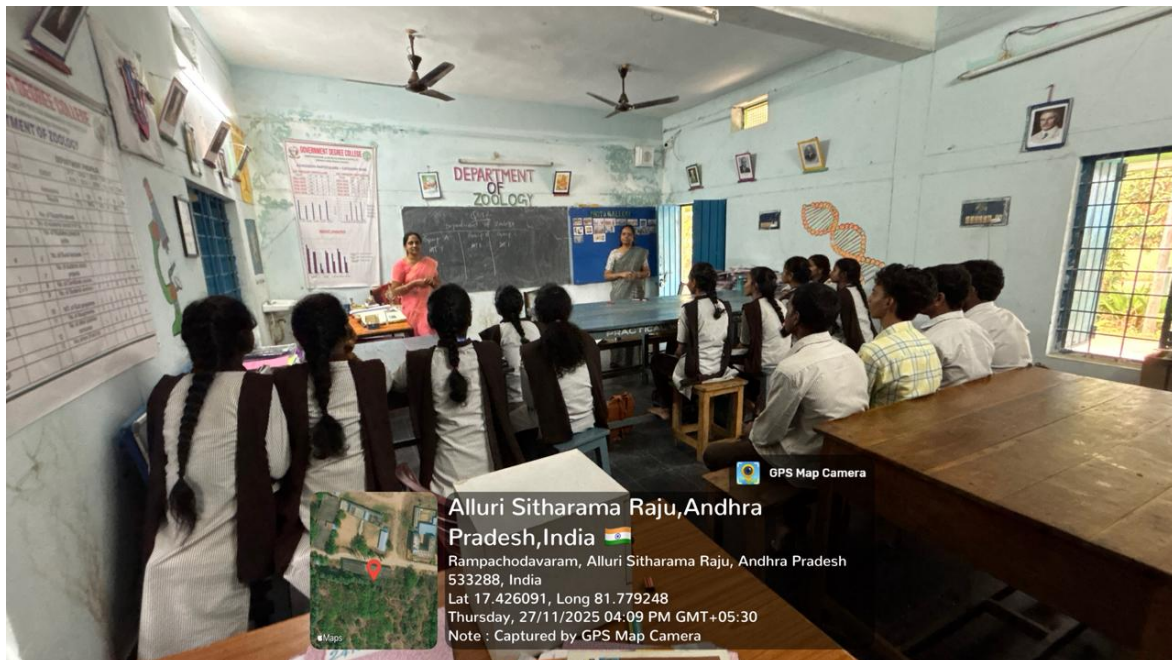
QUIZ

27/11/2025

The Department of Zoology conducted a quiz program on 27-11-2025. This quiz consisted of three rounds, involving groups of students.

Each group was asked 10 questions, and every group contained 5 members. The purpose of this program was to enhance students' knowledge and encourage participation in group activities.

Finally, the winners were selected, and prizes were distributed to the winning teams and runners.



Lecturers:

J. Bujji

G. Venika

Students Participated:

K. Karthik

K. Prema Sagar Reddy

M. Ramesh

K. Siva Reddy

G. Vamsi

M.Nandhini priya

B. Mounika

B. Sridevi

B. Sridevi

S. Siva Nandini

P.Visalya suma sri

K. Bhanusurya

S. Prema Sagar

L. Lakshmi Sri

K. Durga Bhavani

WORLD AIDS DAY

Date: 01-12-2025

The Department of Zoology, in collaboration with the NSS Unit, celebrated World AIDS Day on 1st December 2025.

On this occasion, the NSS Unit and the Department of Zoology jointly organized various awareness programs. Activities such as poster presentations, rangoli, painting, and rally were conducted to create awareness about HIV/AIDS among students and the public.

Students actively participated in all the events with great enthusiasm. Prizes were distributed to the winners later by the staff.

The Principal, Dr. K. Vasudha, addressed the gathering and emphasized the importance of creating awareness about HIV/AIDS. A rally was also organized to spread awareness among the public.

All the staff members and students actively attended and supported the program, making it a successful event.





Lectures in :

1. Bujji

2. G. Venika

ITC CLASS

Date: 21/12/2025

Mr. J. Bujji, Lecturer in Zoology, has delivered an ICT class on the Respiratory System of Scoliodon. In this class, she explained various views on the topic. The students from the Zoology club actively participated in the session.

Name: J. Bujji

Designation: Lecturer in Zoology

Topic: Respiratory System in Scoliodon



Lecturer - J. Bujji

STUDENT SEMINAR

3/12/25

The Department of zoology Organized Student Seminar on Whittaker's five kingdom concept. All the Students listen enthusiastically and carefully. Batta Sridevi 2nd BSc zoology Honours delivered his seminar under the Supervision of T Bujji Lecturer in Zoology

presentor :- Batta. Sridevi.

Year :- 2nd BSc zoology (Honours)

Topic :- Whittaker's five kingdom concept-

Student Sign :- B. Sridevi



STUDENT SEMINAR

11/12/25

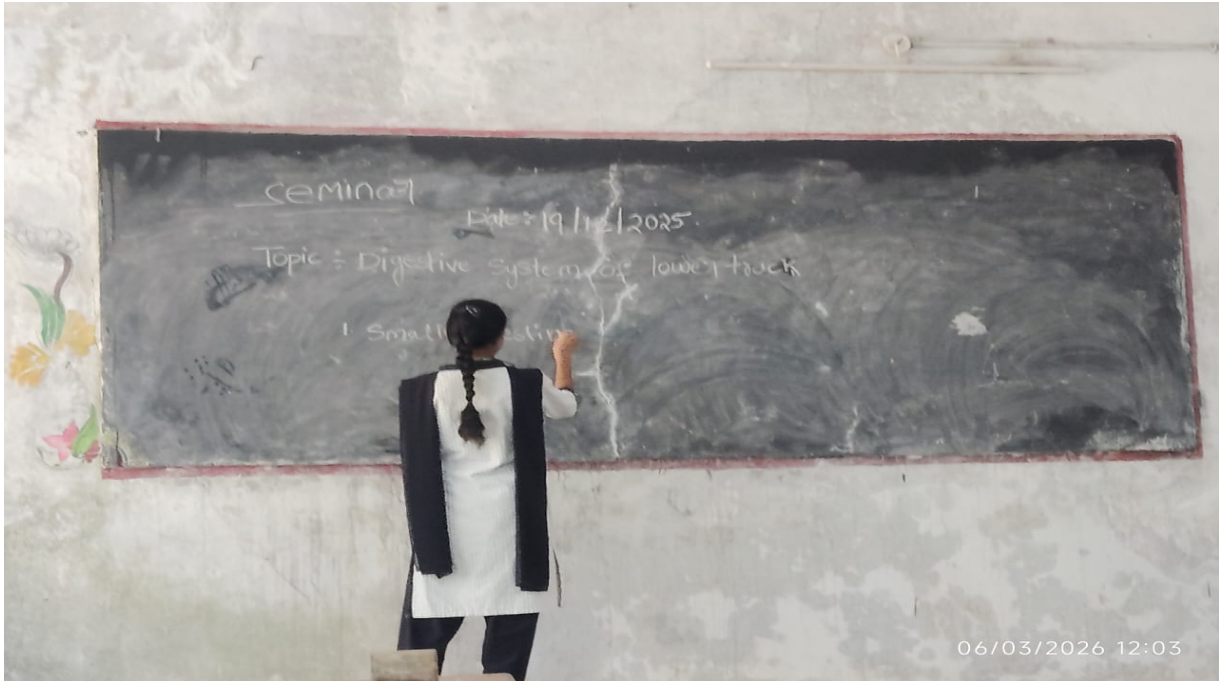
The Department of Zoology approved student seminar on lower intestinal tract of digestive system. all the students listen enthusiastically and carefully. D. Ankitha 2nd BSC zoology (Honours) delivered his Seminary under the supervision of T. Bulsi lecture in zoology.

presenter :- D. Ankitha.

Year :- 2nd BSC zoology (Honours)

Topic :- Lower intestinal tract of digestive system

Student sign :- D. Ankitha



Lecturer in :

J.Bujji

STUDENT SEMINAR

31/12/2025

The Department of zoology Organized student seminar on and protozoan nutrition. All the carefully. G. Yogesh vamsi delivered seminar Lecturer in zoology cender the 1st BSC students listen enthusiastic zoology Honorars supervision of J. Brijji

presenter :- G. Yogesh Vamsi.

Year:- 1st BSc - zoology Honours.

Topic:protozoan nutrition.



Lecturer in:

J.Bujji

Student seminar

6/1/2026

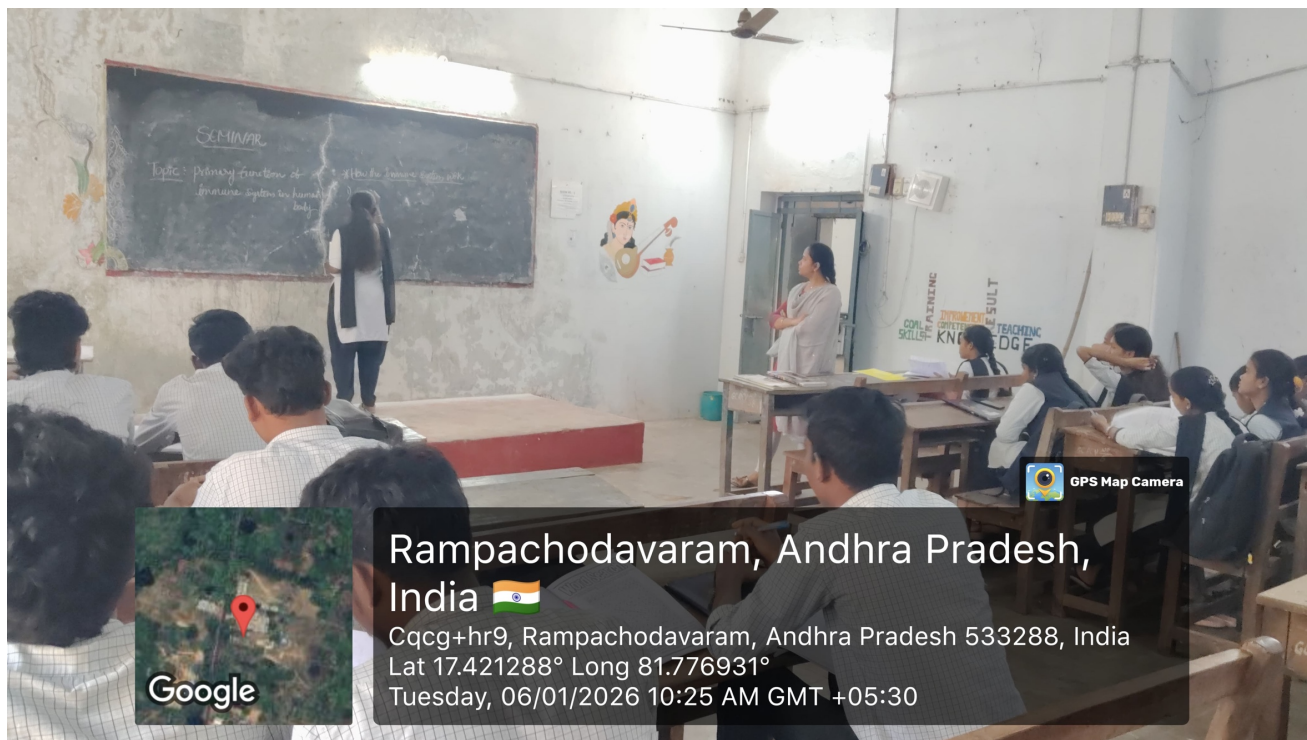
The Department of zoology organized student seminar on primary function of immunology enthusiastically. Ssc zoology students list and delivered Seminar. K. Akhila Reddy Homours delivered seminar. under the Supervision of Givenika Lecturer in zoology

Presenter:K.Akhila Reddy.

Year:BSC zoology Honours.

Topic:primary function of immunology

student sign- K. Akhila reddy



Lecturer -G. Venika

AWARENESS PROGRAM ON ANIMAL WELFARE

23-01-2026

Under the leadership of the Principal, Dr. D. Ravikumar, Government Degree College, Rampachodavaram, organized an Awareness Seminar on Animal Welfare on 23rd January 2026.

The program was conducted under the supervision of the Zoology Department faculty members Mr. J. Babu and Mr. Shaik Ahmed Sheriff, District Animal Husbandry Officer, attended the program as the Chief Guest. During the session, the Chief Guest addressed the students and explained various important aspects such

show to treat animals humanely and the precautions to be taken to prevent diseases



in animals.

The College Principal, Dr. D. Ravikumar, in his speech emphasized the importance of showing compassion towards animals and encouraged students to develop kindness and responsibility towards all living creatures.

Faculty members of the Zoology Department and students of the college actively participated in the program, making it a successful and informative event.

ఆంధ్రప్రభ
www.prabhanews.com

మూగజీవాల పట్ల అవగాహన సదస్సు

రంపచోడవరం, (ఆంధ్రప్రభ): శుక్రవారం ప్రభుత్వ డిగ్రీ కళాశాల రంపచోడవరం లో ప్రిన్సిపాల్ డి. రవికుమార్ ఆధ్వర్యంలో జువాలజీ విభాగం అధ్యాపకులు జె. బుజ్జి, వేనిక పర్యవేక్షణలో జీవజాతుల సంక్షేమం మీద అవగాహన సదస్సు ఏర్పాటు చేయడం జరిగింది. ఈ సదస్సుకు ముఖ్య అతిథిగా డా. షేక్ అహ్మద్ షరీఫ్ (జిల్లా పశుసంవర్ధక శాఖ ఆఫీసర్) హాజరయ్యారు. షరీఫ్ ప్రసంగిస్తూ మూగ జీవాల పట్ల ఏ విధంగా వ్యవహరించాలి, జంతువులకు వ్యాధులు రాకుండా ఏ విధంగా జాగ్రత్తలు పాటించాలి అనే ఎన్నో అంశాలపై విద్యార్థులకు అవగాహన కల్పించారు. కళాశాల ప్రిన్సిపాల్ డి. రవికుమార్ ప్రసంగిస్తూ మూగజీవాల పట్ల కారుణ్యాన్ని కలిగి ఉండాలని విద్యార్థులకు తెలిపారు. జువాలజీ విభాగ అధ్యాపకులు, కాలేజీ ఇతర అధ్యాపకులు మరియు విద్యార్థులు అందరూ పాల్గొన్నారు.

అవగాహన సదస్సులో పాల్గొన్న పశుసంవర్ధక శాఖ అధికారి, ప్రిన్సిపాల్, ఉపాధ్యాయులు



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మూగ జీవాల సంరక్షణకు పాటుపడాలి

రంపచోడవరం, న్యూస్టుడే: మూగ జీవాల సంరక్షణకు ప్రతిఒక్కరూ పాటుపడాలని పశుసంవర్ధకశాఖ జేడీ షేక్ అహ్మద్ షరీఫ్ పిలుపునిచ్చారు.

శుక్రవారం స్థానిక ప్రభుత్వ డిగ్రీ కళాశాలలో ప్రెస్నిఫర్ రవికుమార్ ఆధ్వర్యంలో జంతుశాస్త్ర విభాగ అధ్యాపకులు బుజ్జి, వేనిక పర్యవేక్షణలో జీవజాతుల సంక్షేమంపై అవగాహన సదస్సు జరిగింది. ముఖ్యఅతిథిగా హాజరైన వెటర్నరీ షరీఫ్ మాట్లాడుతూ జంతువుల సంక్షేమానికి పాటుపడాలన్నారు. విద్యార్థులతో ర్యాలీ చేశారు.



జంతువుల సంక్షేమంపై ర్యాలీ చేస్తున్న విద్యార్థులు

Lecturers in Zoology:

1.J.Bujji

2. G.venika

FISH DISSECTION PRACTICAL

11/2/2026

Fish dissection was conducted by II B.Sc. Zoology Honours students as a part of their practical curriculum to understand the internal anatomy of fishes. The activity was carried out in the Zoology laboratory under the guidance of faculty members.

During the dissection, students carefully observed and identified important organs such as gills, heart, liver, stomach, intestine, and reproductive organs. The practical session helped students gain hands-on experience and improved their knowledge of the structural organization and functioning of different organ systems in fishes.

It was an informative and interactive learning experience for all participants.



Lecturers:

J.Bujji

G.Venika

STUDENT SEMINAR

Date: 02-02-2026

The Department of Zoology organized a student seminar on the primary function of immunology. All the students listened enthusiastically to the seminar.

The seminar was delivered by K. Pravalika, a II B.Sc. Zoology Honours student, under the supervision of G. Venika, Lecturer in Zoology.



Presenter: K. Pravalika

Year: II B.Sc. Zoology Honours

Topic: The Immune System of Organs

Student Signature: K. Pravalika

Lecturer: G.Venika

NATIONAL DEWORMING DAY

Date: 17-02-2026

A National Deworming Day program was organized on 17-02-2026 at Government Degree College, Rampachodavaram, under the leadership of the College Vice Principal, Mrs. M. Siva Kumari, and under the supervision of the Department of Zoology.

On this occasion, the ANM and MLHP from the Government Hospital, Rampachodavaram attended the program and created awareness among the students about the prevention of worm infections and the precautions to be taken to avoid such diseases. They also distributed deworming tablets (Albendazole) to the students.

In this program, Zoology Department faculty members Mrs. J. Bujji and Mrs. G. Venika, along with other faculty members of the college, and students actively participated.



నులిపురుగుల నివారణ వ్యాధులపై అవగాహన సదస్సు



నులిపురుగుల నివారణపై అవగాహన కల్పిస్తున్నదృశ్యం

రంపచోడవరం (ఆంధ్రప్రభ): మంగళవారం ప్రభుత్వ డిగ్రీ కళాశాల రంపచోడవరంలో కళాశాల వైస్ చీఫ్ ప్రొఫెసర్ ఎం. శివకుమారి ఆధ్వర్యంలో జంతు విభాగం పర్యవేక్షణలో జాతీయ నులిపురుగుల దినోత్సవం ఏర్పాటు చేయడం జరిగింది. ఈ కార్యక్రమానికి స్థానిక ప్రభుత్వ ఆసుపత్రి రంపచోడవరం లోని ఏ.ఎన్.ఎం, ఎమ్.ఎల్.హెచ్.పి హాజరయ్య విద్యార్థులకు నులిపురుగుల నివారణ, వ్యాధులు రాకుండా తీసుకోవాల్సిన జాగ్రత్తలు పై అవగాహన కల్పించి, నులిపురుగుల మాత్రలు (ఆల్ట్రెండజోల్) ఇవ్వడం జరిగింది. ఈ కార్యక్రమంలో కళాశాల జంతు విభాగ అధ్యాపకులు జె. బుజ్జి, జి. వేణిక, కళాశాల ఇతర అధ్యాపకులు, విద్యార్థులు పాల్గొన్నారు.

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Lecturers: J Bujji, G. Venika.

STUDENT SEMINAR

Date - 24/2/26

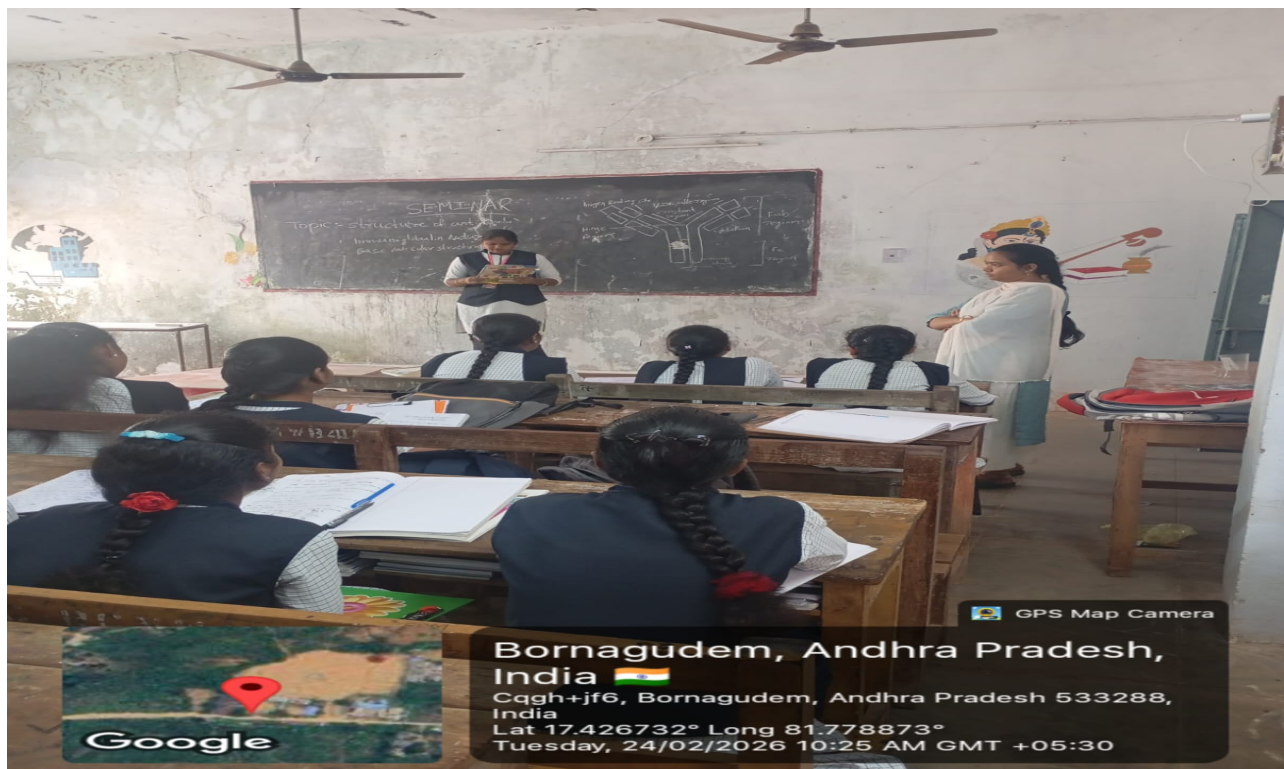
The Department of Zoology Organized Seminar on primary function of immunology. All the Seminar on Stundentli Listen carefully delivered. seminar.

K. Meghana. II B.Sc. Zoology Honours delivered Seminar under the lecturer in zoology. Supervision of G.venika

Presentor :- K. Meghana

Year :- II. B.Sc. Zoology Honours

Topic: Classification of Antimodies



Student sign: M. Meghana

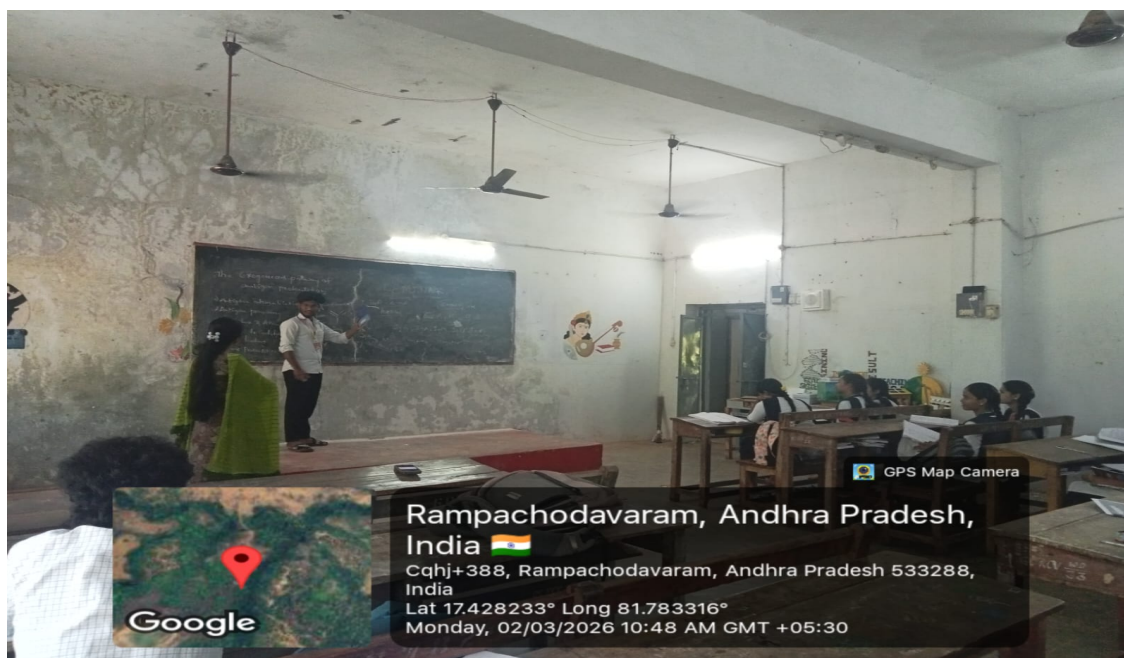
Lecturer: G. Venika

STUDENT SEMINAR

02/03/2026

The Department of Zoology organized a student seminar on the topic primary Function of Immunology. All the students listened carefully to the seminar.

Mr. K. Bullabbai Reddy, a II B.Sc. Zoology Honours student, delivered the seminar under the supervision of Mrs. G. Venika, Lecturer in Zoology.



Presentor:

K.Bullabbai reddy

Year:II b.s.c zoology

Topic:class of antibodies

Student sign: k.bullabbai reddy

Lecturer in zoology:

G.Venika

BLOOD DONATION CAMP

28/02/2026

A blood donation camp was organized on 28-02-2026 at Government Medical College, Rampachodavaram, under the guidance of the College Principal, Mr. D. Ravi Kumar. The camp was conducted with the cooperation of the NSS Unit of the college and the Government Hospital, Rampachodavaram.

On this occasion, the Medical Officer and other hospital staff attended the program. During the camp, the hemoglobin levels of the students were tested, and blood was collected from eligible donors.

Speaking on the occasion, Principal Mr. D. Ravi Kumar expressed his happiness over the successful organization of the camp. Such blood donation camps help save lives. Approximately 56000 ml of blood was donated at this event. Praising the program, the faculty members of the Department of Zoology, Ms. G. Venika and Mrs. J. Bujji along with other faculty members of the college, actively participated along with the students.





Lecturer in zoology:

J .Bujji

G.Venika

NATIONAL SCIENCE DAY

28/2 2026

National Science Day Was at Government pachodavaram on the fandyarior Degree College, Rampachodavaram competitions Were Organized, including, a ordasion, several Quiz competition power point presentation), science paper presentation (power Exhibition and Rangoli competition everyone with their Science students impressed creative presentations related to and technology

students from the following institutions enthusiastically. Participated in the Lenora school College, program. Teacher training college Agaricultural polytechnic college, Ap tribal welfare Gurukulam Girls and boys school, KGBV. Degree college principal and he toll and women sri D. Ravi Kumar kGBV. Rampachodavaram ikumar, started that india cannot be imagi "He emphasized Ve erpowerment are of the nation, voy that science Science imagined that Scie that Science and Women essential for the development

The program was coordinated by Dr. G. as the convener Manikya Rao, (Lecturer in physics), who served Sri K. G Venkatesh, Sri M. Ganesh, Smt. K. Usharani, Kumari Brijsi, and Venika also participated in Organizing event. Students from the following institutions enthusiastically participated in the Lenora School College, program. Teacher training college Agricultural polytechnic college, A.P. Tribal Welfare Gurukulam Girls and Boys School, KGBV. Degree College Principal and he and women Sri D. Ravi KGBV. Rampachindavala Kumar, started that India cannot be imagined "He emphasized Women empowerment are of the nation, and that science is essential for the development of the nation, and that science and women are essential for the development of the nation."

The program was coordinated by Dr. G. as the convener Manikya Rao, (Lecturer in physics), who served Sri K. G Venkatesh, Sri M. Ganesh, Smt. K. Usharani, Kumari Brijsi, and Venika also participated in Organizing event.



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బందోబస్తు నిర్వహిస్తున్నట్లు ఆలయ నిర్వాహకులు తెలిపారు.

ఘనంగా జాతీయ విజ్ఞాన దినోత్సవం

కంపచోడవరం, (ఆంధ్రప్రభ): శనివారం కంపచోడవరం ప్రభుత్వ డిగ్రీ కళాశాలలో జాతీయ విజ్ఞాన దినోత్సవం ఘనంగా నిర్వహించబడింది. ఈ సందర్భంగా ప్రశ్నోత్తరాల పోటీ (క్విజ్), ప్రదర్శన పత్రాల సమర్పణ (పవర్ పాయింట్ ప్రజెంటేషన్), సైన్స్ సాంకేతిక ప్రదర్శన (సైన్స్ ఎగ్జిబిషన్), మరియు రంగవల్లి పోటీలు నిర్వహించ



కార్యక్రమంలో పాల్గొన్న ప్రిన్సిపాల్, సిబ్బంది

బడ్డాయి. విద్యార్థులు విజ్ఞానానికి సంబంధించిన సృజనాత్మక ప్రదర్శనలతో ఆకట్టుకున్నారు. ఈ కార్యక్రమంలో లెనోరా పాఠశాల, వ్యవసాయ పాలిటెక్నిక్ కళాశాల, కంపచోడవరం ఆంధ్రప్రదేశ్ గిరిజన సంక్షేమ గురుకుల బాలికల పాఠశాల, ఆంధ్రప్రదేశ్ గిరిజన సంక్షేమ గురుకుల బాలుర పాఠశాల కస్తూరిబా గాంధీ బాలిక విద్యాలయం కార్యక్రమంలో కళాశాల ప్రిన్సిపాల్ డి. రవి కుమార్ మాట్లాడుతూ విజ్ఞానం లేకుండా, మహిళలు లేకుండా భారతదేశాన్ని ఊహించలేము అని మాట్లాడారు. దేశ అభివృద్ధికి విజ్ఞానం మరియు మహిళా సాధికారత అత్యంత అవసరమని ఆయన అన్నారు. ఈ కార్యక్రమానికి సమన్వయకర్తగా (కన్వీనర్) ఫిజిక్స్ విభాగ అధ్యాపకులు డా. జి. మాణిక్యరావు వ్యవహరించారు. కె.జి. వెంకటేశ్, ఎం. గణేష్, కె. ఉషారాణి, జి. దుర్గా ప్రసాద్, బిందు మాధవి, కుమారి బుజ్జి (జువాలజీ లెక్చరర్) కార్యక్రమ నిర్వహణలో పాల్గొన్నారు. కంప్యూటర్ అనువర్తనాల (కంప్యూటర్ అప్లికేషన్స్) విభాగ అధ్యాపకులు, ఉప ప్రాచార్యులు (ఫ్రైస్ ప్రిన్సిపాల్) ఎం. శివ కుమారి, చక్రవర్తి విద్యార్థులను ప్రోత్సహిస్తూ సాంకేతిక పరిజ్ఞానం వినూత్న ఆలోచనలను అభివృద్ధి చేసుకోవాలని సూచించారు.

Lecturer in zoology:

J.Bujji

STUDENT SEMINAR

Date: 5/3/2026

The Department of zoology All Organized student seminar cell - cell communication. enthusiastically 1st BSC -and carefully zoology Honours Supervision of J. Bujji the students listen P visalya insumatri delivere & seminar lecturer in zorlogy.

presentor :- p. v. Suma Sri

Year :- 1st BSC-zodogy Honours.

Topic :- Cell-cell communication.



Student sign:P.Visalya suma sri

Lecturer in zoology:

J.Bujji

QUIZ

16/03/2026

The department of zoology has conducted a inter group quiz on 16/3/26 this quiz consist three(3)groups of students each question carries one mark of 20 questions each group contain 4 members this quiz programme conducted on the purpose of testing of knowledge students of 3 groups participated actively and finally win the group B and congratulate the final winners and runners



Students sign:

P.v. suma sri

K. Bhanu surya

M.nandhink priya

S. Siva nandhini

B. Sridevi

B.mounika

K. Durga bhavani

B.sridevi

P.mounika

K.prem Sagar Reddy

M.ramesh

S. T.prem sagar reddy

Lecturer in zoology:

J.Bujji

MAMMALIAN KIDNEY DISSECTION REPORT

17/3/26

The mammalian kidney dissection was carried out by 2nd zoology honours students as part of their practical study to understand the structure and function of the excretory system. A fresh mammalian kidney was taken and carefully examined to observe its external features such as shape, colour, and the hilum. The kidney was then dissected longitudinally using a scalpel to study the internal organization. The outer Cortex, inner medulla, renal pyramids, calyces, and renal pelvis were clearly identified. This practical exercise helped students gain hands-on experience and a better understanding of the anatomical details and functional aspects of the mammalian kidney. The dissection was performed successfully under proper guidance and laboratory precautions.





Lecturer in zoology:

J. Bujji

G. Venika

Blood donation camp

Date : 31/03/2026

On 31-03-2026, a Blood Donation Camp was conducted at Government Degree College, Rampachodavaram, in collaboration with the NSS Unit and the local Government Hospital. The program was held under the leadership of Principal D. Ravikumar.

Principal D. Ravikumar himself donated blood and set a great example for the students. A total of 15 participants took part in the camp and donated 15 units of blood.

The program was attended by Medical Officer Dr. Spandana, NSS Programme Officer K.G. Venkatesh, Lecturer J. Bujji, college faculty members, and staff from the Government Hospital. Hospital staff members Mr. Sattibabu and Mr. Kumar also participated in the event.

