GOVERNMENT COLLEGE RAJAHMUNDRY

An Autonomous Institution Since 2000: Rajahmundry, Andhra Pradesh, India

DEPARTMENT OF CHEMISTRY

LAB TO SCHOOL

The “Lab to School” program is an innovative outreach initiative designed to bridge the gap between higher education institutions and school-level learning. This Programme Organized by Department of Chemistry with help of “Hi Glow” bus facility for “LAB ON WHEELS” provided by the College in which lecturers and Postgraduate students, the program aims to take the excitement of scientific experiments, demonstrations, and practical learning beyond the college laboratory and into schools. Through this initiative, school children are introduced to scientific concepts in a simple, activity-based, and experiential manner. Demonstrations of experiments, interactive sessions, and real-life applications of classroom concepts help to stimulate curiosity and encourage critical thinking among young learners.

The active involvement of PG students not only enriches the teaching-learning process but also provides them with an opportunity to enhance their communication, teaching, and leadership skills. Meanwhile, the guidance of lecturers ensures the scientific accuracy, structure, and smooth organization of the program. This collaborative effort creates a platform where school students gain exposure to science beyond textbooks, PG students develop confidence and pedagogical skills, and lecturers contribute to community outreach and educational development. Ultimately, the “Lab to School” program nurtures a culture of scientific temper, curiosity, and innovation among the younger generation.

Date of the Programme: 18.07.2025

Visited School: ZPP High School, Vedullapalli, Seethanagaram Mandal, East Godavari District.

Lecturers and PG Students of I. MSc. Chemistry Participated :

S.No.	Name of the Faculty	Name of the Students
1.	Dr. L. Rajeswari – Coordinator	J. Dhana Lakshmi, I.M.Sc., Chemistry
2.	Dr. M. Padmaja., Lecturer	G.V.D.B. Bhavana, I.M.Sc., Chemistry
3.	Dr. G. Tejaswini, Lecturer	V. Harisha, I.M.Sc., Chemistry
4.	Dr. M. Santha Kumari, Lecturer	M. Prasanna, I.M.Sc., Chemistry
5.	Dr. P. Surekha, Lecturer	K. Sowmya Sri, I.M.Sc., Chemistry
6.	Dr.CH. Rajani, Lecturer	K. Keerthi, I.M.Sc., Chemistry
7.	Dr. ESSR. Sarma, Lecturer	V. Rachel, I.M.Sc., Chemistry
8.	Smt. J. Sashi Sree, Lecturer	D. Susmitha, I.M.Sc., Chemistry
9.		S. Satwika, I.M.Sc., Chemistry
10.		R. Meghana, I.M.Sc., Chemistry
11.		G.V.V.Sai Eswar, I.M.Sc., Chemistry
12.		M. Nagendra, I.M.Sc., Chemistry
13.		V.Siva, I.M.Sc., Chemistry
14.		K. Sai Subash, I.M.Sc., Chemistry
15.		K. Siva Ganesh, I.M.Sc., Chemistry
16.		Ch.L.G.Vara Prasad, I.M.Sc., Chemistry
17.		Y.Gangadhar, I.M.Sc., Chemistry

Total School Students Participated: 123

Objectives of this Program:

- To bridge the gap between theoretical concepts taught in schools and their practical applications through live demonstrations.
- To promote scientific curiosity and critical thinking among school students by exposing them to hands-on experiments.
- To motivate young learners towards higher education and careers in science and technology.
- To develop teaching, communication, and leadership skills among PG students through active participation.
- To enhance community engagement by involving colleges in strengthening school-level education.
- To cultivate scientific temper and problem-solving abilities in students from an early stage.
- To encourage collaborative learning between UG lecturers, PG students, and school children for mutual academic growth.

Lab to School programme organized and used Hi-Glow bus facility provided by Our College

Introduction to Glassware and Equipments used in Chemistry Laboratory

Introduction to Glassware and Equipments used in Chemistry Laboratory

Intraction with School students

Intraction with School students


Experiments Demonstrated by PG Students


Experiments Demonstrated by PG Students


Experiments Demonstrated by PG Students


Hands on Experience by School Students

Hospitality provided by ZPP High School

Feedback by Head master

ఈనాడు
తూర్పుగోదావరి

ప్రయోగ పాఠాలు

పెదపూడి, సెప్టెంబర్ 18: రాజమహేంద్రవరం ప్రభుత్వ ఆర్ట్స్ కళాశాల రసాయన శాస్త్ర విభాగం ఇద్దర్యంలో శుక్రవారం ల్యాబ్ టు స్కూల్ కార్యక్రమం నిర్వహించారు. దీనిలో భాగంగా రసాయనశాస్త్ర ఆధ్యాపకులు, పీజీ విద్యార్థులు సీతానగరం మండలంలోని వెదుళ్లపల్లి జిల్లా పరిషత్ ఉన్నత పాఠశాల విద్యార్థులకు ప్రయోగ పాఠాలు వివరించారు. 8, 9, 10 తరగతి విద్యార్థులకు రసాయన శాస్త్రంలోని ప్రాథమికాంశాలపై కథలు, ఉపన్యాసాలు, క్విజ్‌లు, పిండి పదార్థాలు, ప్రోటీన్లు గుర్తించే పరీక్షలు, రసాయన చర్యలను ప్రయోగపూర్వకంగా చేసి చూపించారు.

ప్రజాశక్తి

తూర్పుగోదావరి

శనివారం 19 జూలై 2025 5

రసాయన శాస్త్రంపై ఆసక్తి పెంపునకు ల్యాబ్ ఆన్ వీల్స్

ల్యాబ్‌ను సందర్శించి పాఠ్య అంశాలను పరిశీలిస్తున్న విద్యార్థులు

The Hans India

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'Lab to School' initiative whets curiosity

The programme's primary objective was to demystify chemistry and ignite a passion for scientific exploration

Students being explained about the chemistry experiments.

Paper Clippings

List of School students Participated and Feedback:
Total School Students Participated: 123

Outcomes of this Program:

- Enhanced Learning for School Students – Students gain better understanding of science concepts through practical demonstrations and interactive sessions.
- Increased Interest in Science – The hands-on approach encourages curiosity and motivates school children to pursue higher studies in science.
- Skill Development for PG Students – PG participants improve their teaching, communication, and presentation skills while interacting with younger learners.
- Community Engagement – Strengthened linkages between colleges and schools foster a collaborative learning culture.
- Capacity Building – UG lecturers get an opportunity to extend their teaching beyond the classroom, contributing to educational development in society.
- Promotion of Scientific Temper – The program nurtures critical thinking, problem-solving ability, and innovation among school children.
- Sustainable Academic Culture – Establishes a foundation for continuous knowledge sharing between higher education institutions and schools.