



GOVERNMENT COLLEGE

An Autonomous Institution Since 2000 :: RAJAHMUNDRY, ANDHRA PRADESH, INDIA

DEPARTMENT OF CHEMISTRY

Field Trip to

NATIONAL INSTITUTE OF TECHNOLOGY

TADEPALLIGUDEM, ANDHRA PRADESH

04TH APRIL, 2025

REPORT



SUBMITTED BY

Dr. Eranki S. R. S. Sarma
Chemistry Department

ABOUT NIT AP:

The National Institute of Technology Andhra Pradesh (NIT-Andhra Pradesh or NIT-AP) is a public technical university and one of the National Institutes of Technology started by the Government of India and is situated at Tadepalligudem, West Godavari District, Andhra Pradesh State with an area of 176 acres. NIT Andhra Pradesh started its academic & administrative activities from permanent campus from 1 January 2020. Around Rs. 400 crore has been granted by Government of India for the establishment of campus. The campus is extremely well connected by road Rajamahendravaram – Eluru (NH 216A), by rail Howrah-Chennai main line and by air Rajahmundry Airport is 50 km away respectively.

ABOUT CHEMISTRY DEPARTMENT:

The School of Sciences, National Institute of Technology Andhra Pradesh, was initiated in the same year of establishment of the institute. The School of Sciences encompasses the basic departments in Sciences – Mathematics, Physics and Chemistry.

The Department is equipped with good number of faculty who has obtained Ph.D. degrees from internationally reputed institutes. The Department is strengthened with the services of faculty members having rich expertise in the areas of synthetic methods for biologically active molecules, peptide chemistry, molecular self-assembly; glyconanoparticles click chemistry, corannulene chemistry and antibacterial materials. Faculty members involve in the execution of sponsored research projects funded by SERB, UGC, UGC DAE CSR, and etc.

Department has already established chemistry laboratories for the Under-graduate students. These labs are equipped with latest experiments and are periodically upgraded. The Chemistry Department at NIT Andhra Pradesh offers various programs, including B.Tech, M.Tech, and Ph.D. in Chemical Engineering. It focuses on providing high-quality education and training to meet the needs of the chemical and allied industries. The department also emphasizes research, with faculty members involved in sponsored projects and active in the development of the institute.

INTRODUCTION:

On 4th April, 2025, as part of an academic knowledge-sharing initiative, Post Graduate {Final M.Sc., (Chemistry)} students, researchers and faculty members from the Department of Chemistry, Government College (A), Rajamahendravaram, had the opportunity to visit the Chemistry Department at the National Institute of Technology, Andhra Pradesh (NIT-AP). This field visit was organized with the goal of providing students with exposure to advanced scientific facilities, Research Experience and real-world applications in the field of chemistry.

OBJECTIVES:

- Students visit to NITs primarily aim to gain specialized **knowledge, experience**, or access to resources they may not have at their home institution.
- This could involve pursuing research opportunities, attending specific courses, or leveraging advanced facilities for projects.
- The goal is to enhance their academic and professional development.
- To provide students with a unique learning experience by allowing them to study or conduct research at a different institution, often with a focus on specialized fields or collaborative projects.

OUTCOMES:

- These programs offer opportunities for students to engage in different academic environments, explore new subjects, and often participate in research or other learning experiences.
- These programs can also foster international collaborations and expose students to diverse academic environments and research opportunities.
- Visiting student programs are a valuable tool for enhancing academic and research experiences and expanding educational horizons for both the visiting student and the host institution.

PRINCIPAL MESSAGE:

Dr. R.K. Ramachandra, Principal of the Government Autonomous College lauded the initiative and appreciated the efforts of the Department of Chemistry faculty and students for organizing this informative visit. Such collaborations are expected to foster academic excellence and inspire students to pursue higher studies and research in science and technology.



IN CHARGE MESSAGE:

Sri. T. Srinivasa rao, In charge of the department explained about the purpose of the visit which is to provide practical exposure related to our coursework and foster a deeper understanding of industrial/research applications in chemistry. He also instructed the students; wear proper attire as per safety and institutional guidelines and carry their ID cards and any necessary materials/notebooks.



Request letter to NIT AP to permit the visit.

From
Incharge
Dept of chemistry
Govt College(A)
Rajahmundry

To
The Principal
Govt College(A)
Rajahmundry

Sir

Sub: Request to accord permission to visit NIT, Tadepalligudem- Educational Tour:-

I submit that, the students and staff of Dept of chemistry, as a part of educational tour, visiting National Institute of Technology, Tadepalligudem on 04-04-2025. Hence, I request you to grant permission for the proposed visit to the NIT.

Thanking you sir
Yours sincerely

By
[Signature]

Approved for quality
[Signature]
3/4/25

[Signature]
03/4/25
Head of the Department
Department of Chemistry,
Govt. College (Autonomous)
RAJAMAHENDRAVARAM-533 105

List of Faculty Participated:

Sl.No.	Faculty name	Designation
1	T.Srinivasa rao	Dept. In charge
2	Dr.T.Narsimhamurthy	P.G. Coordinator
3	Dr. E.S.R.S.Sarma	Faculty
4	Dr.P.Surya sri	Faculty
5	P.Ranga rao	Faculty
6	S.V.S.S. Durga Prasad	Faculty
7	Siva Rama Krishna	Faculty
8	Suribabu	Record Assistant

List of Students Participated:

Sl. No.	Student Name
1	R.S.V.A.Naidu
2	K.A.Kumar
3	D.Rupa Sri
4	M.Satish
5	K.M.Krishna
6	J.R.Kumar
7	S.B.Lakshmi
8	P.Susanna
9	P.R.satya sai
10	K.Krishna Tulasi
11	R.Chanduja
12	Md.A.Riyaz
13	V.Varahalababu
15	T.Mounika
16	P.Tejaswi
17	D.J.Prasad
18	V.Naga satish
19	Y.V.Manikanta
20	S.Sri vanitha
21	N.Sheba
22	Y.Swapna
23	S.B.Keerthi
24	Ch.Pedabbai
25	Y.Priyanka
26	V.Harika
27	B.B.V.S.S.Swamy
28	Ch. Ramya durga
29	D.Veda Prasuna
30	P.V.Usharani
31	G.Sstyia
32	G.Gopi
33	N. Gopala krishna

Observations:

The visit began with a warm welcome by the faculty and staff of the Chemistry Department by the host team. Students were taken on a guided tour of the laboratories, where they observed various instruments and techniques used in chemical research and analysis. Hands-on sessions allowed students to interact directly with lab equipment and gain practical experience under the supervision of researchers and lab technicians.



Professor Sandeep (EEE), Dean of NIT elaborating academic programs, research prospects, admission procedures, and career pathways available at NIT.



One of the key highlights of the visit was an interactive session with the **Dr. Amarendar Reddy, Director, chemistry department**. He elaborated job opportunities available in the field of chemistry, both in academia and industry, and shared insights into the skills required to succeed. Their encouragement and advice were highly motivating for the students, especially those interested in pursuing careers in science and research.



NIT research scholars demonstrated their work and explained key scientific developments in the discipline.



IT's LUNCH TIME:

After the academic sessions, students were fetched with delicious lunch.



Summary:

The trip got concluded with a comfortable return journey to our college by bus. Overall, the field visit was both informative and enjoyable, offering students a broader perspective in chemistry and its career prospects. The trip was successful and we believe that our objectives are achieved. The Department of Chemistry at NIT AP was commended for its initiative and effort in arranging this valuable experience.



Students Feed Back:

Overview:

Students felt that the field visit was an insightful and enriching experience for them as it provided an opportunity to connect theoretical knowledge with real-world applications in the chemical industry/research environment.

- **Practical Exposure:**

Students appreciated the hands-on experience and the opportunity to observe chemical processes, instrumentation, and industrial safety measures in action.

- **Interactive Sessions:**

The sessions conducted by professionals at the site were highly interactive and informative. Students were able to clarify doubts and gain a deeper understanding of industrial applications.

- The staff explained the processes very clearly, and we got a chance to ask questions freely.

- **Motivation and Career Insight:**

The visit helped students gain perspective on various career paths in the chemical industry, including R&D, process management, and quality control.

- It was inspiring to see how chemistry which we study is applicable in industry.



NEWS PAPER CLIPPINGS



THE NEW INDIAN EXPRESS

GODAVARI

02 TADEPALLIGUDEM
SATURDAY 05.04.2025

Research exposure: Govt college students visit NIT

EXPRESS NEWS SERVICE
@Rajamahendravaram

AS part of a knowledge-sharing initiative, postgraduate students, faculty, and researchers from the Department of Chemistry at Government Autonomous College, Rajamahendravaram, visited the National Institute of Technology (NIT), Tadepalligudem, on Friday. The visit exposed students to



advanced research facilities, infrastructure, and career opportunities in Chemical Sciences. The delegation toured various departments, focusing on Chemistry laboratories and research projects. NIT research scholars showcased their work and discussed key developments. Dean of NIT Prof Sandeep and Chemist HoD Dr Amar Nath Reddy interacted with the students.

ఈనాడు తూర్పు గోదావరి

శనివారం ఏప్రిల్ 5, 2025

5

నిట్ను సందర్శించిన విద్యార్థులు



దేవీచౌక్: రాజమహేంద్రవరం ప్రభుత్వ ఆర్ట్స్ కళాశాల రసాయనశాస్త్ర విభాగం ఆధ్వర్యంలో పీజీ విద్యార్థులు శుక్రవారం తాడేపల్లిగూడెంలోని నేషనల్ ఇన్స్టిట్యూట్ ఆఫ్ టెక్నాలజీ (నిట్)ను సందర్శించారు. అక్కడ రసాయనశాస్త్రానికి సంబంధించిన వివిధ విభాగాలు, పరిశోధన ప్రయోగశాలలను సందర్శించి వసతుల గురించి అడిగి తెలుసుకున్నారు. ప్రొఫెసర్ సందీప్, డీన్ డాక్టర్ అమర్ నాథ్ రెడ్డి పలు అంశాలను విద్యార్థులకు వివరించారు.