

PARVATHANENI BRAHMAYYA SIDDHARTHA COLLEGE OF ARTS & SCIENCE

Sponsors: SIDDHARTHA ACADEMY OF GENERAL & TECHNICAL EDUCATION, VIJAYAWADA-10.

(An Autonomous College in the Jurisdiction of Krishna University)

Accredited at the A level by NAAC

DEPARTMENT OF CHEMISTRY

DEPARTMENT ACTIVITIES & OTHERS FOR THE ACADEMIC YEAR 2021-22(Nov 21-Oct 22)

ACTIVITIES:

1. Department had conducted a guest lecture on the eve of National Science week a guest lecture on “**Bio Medical waste management in India**” held on 23-02-22. Resource person **Sri V Venkateswara Rao, CEO, Safenviron**, had delivered a guest lecture on Bio medical waste management for all the staff of the department and students of III MPC & BZC. Staff and students actively participated in the programme and learned the techniques involved in waste management.
2. Department had conducted workshop on Entrepreneurship Skill Development Programme on Preparation of Chemical and allied products (Detergent powder, Scented phenol, Soap oil, Pain Balm, Vaseline and Candles making) on 18-05-22. Resource person Sri G .Rama Brahman, who worked as an Instructor for Home needs in Jan Shiksan Sansthan, Mogalrajpuram, had demonstrated and gave training on making of products for all the staff of the department and students of III MPC & BZC. Staff and students actively involved in the programme and learned the techniques involved in making of these products.

STUDENT PLACEMENTS:

1. **19 students got placements in the following companies from (Nov 21-Oct 22)**

02 students are placed in ULTRATEC

15 students are placed in DIVIS

02 students are placed in HETERO

STAFF PUBLICATIONS:

1. Dr.P.T.S.R.Prasad Rao I/C Department of Chemistry (UG) published a paper entitled” ***Green Synthesis of Manganese oxide nano particles using Kigelia Africana (LAM) benth . Aqueous root extract and influence on Chickpea seed germination and plant growth***” in INDIAN DRUGS 59(04) APRIL 2022.

2. Dr.P.T.S.R.Prasad Rao I/C Department of Chemistry (UG) published a paper entitled "***New method for the simultaneous estimation of Nethotrexate and Folic acid by using RP HPLC in bulk and pharmaceutical dosage form***" in YMER Journal VOL-21, Issue 7, July 2022.

3. STAFF PARTICIPATIONS:

1. Dr.P.T.S.R.Prasad Rao I/C Department of Chemistry (UG), participated e conference on "***Principles of Organic spectroscopy and its applications***" held on 12-02-22 by AG & SG Degree college of Arts & Science, Uyyuru, Krishna District.
2. Dr.P.T.S.R.Prasad Rao I/C Department of Chemistry (UG), participated 1 day workshop on "***Research paper & research proposal writing***" held on 26-03-22 by PVP Siddhartha Institute of Technology, Kanuru, Vijayawada.
3. Dr.P.T.S.R.Prasad Rao I/C Department of Chemistry (UG), V.Visalakshamma, Lecturer and E Nagarjunababu , Lecturer participated in 3 days FDP on "***Recent advances in Chemical Research***" held from 22-09-22 to 24-09-22 by P.B.Siddhartha College of Arts & Science
4. Dr.P.T.S.R.Prasad Rao I/C Department of Chemistry (UG), attended BOS in Chemistry as subject expert at JKC College, Guntur held on 24-09-22.

DEPARTMENT OF CHEMISTRY ACTIVITIES OCT –NOV 22

1. Department of Chemistry (UG) conducted an industrial visit for all III MPC & BZC girl students to Ultratech Cement Company, Jaggayapet on 29-10-2022.

During this visit students learned and observed the various processing techniques involved in cement manufacturing.





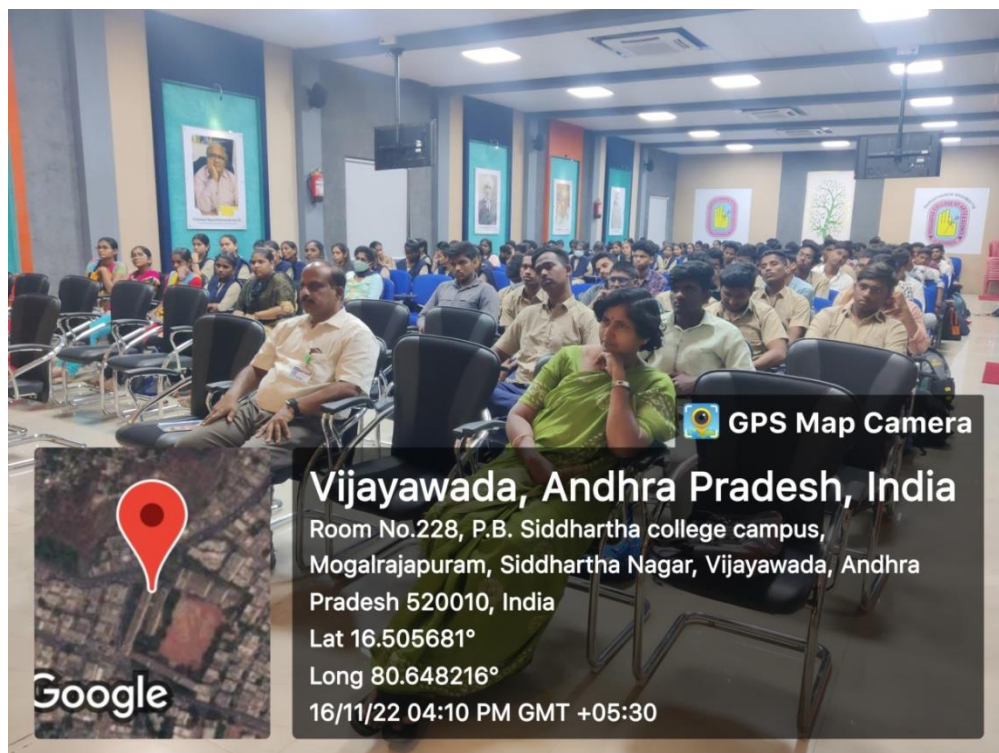
2. Department had conducted a One day International talk on “**Developments in Drug Delivery systems (DDS)**” held on 31-10-22. Resource person **Dr.Appajosula Srinivasa Rao, Professor, Washington University, USA**, had delivered a talk “**Developments in Drug Delivery systems (DDS) and Reduction of drag of Smart drugs**” for all the staff of the department and students of MPC & BZC. Staff and students actively participated in the programme and learned the techniques involved in Drug delivery systems.



3. On the eve of Madam Marie Cure 100th Birthday Department had conducted a guest lecture held on 16-11-22. Resource person **Dr. A.Gangadhar, Break through science society** had delivered a talk on **“The Great Scientist & Humanist Madam Marie Curie”** for all the staff of the department and students of MPC & BZC.



2.



4. Department had conducted a guest lecture on “**Green Chemistry**” held on 06-12-22. Resource person **Prof. B. Hari Babu HOD, Chemistry & Nanotechnology, Director, Directorate of Admissions.** , had delivered a guest lecture on Green Chemistry for all the staff of the department and students of MPC & BZC. Staff and students actively participated in the programme and learned the importance of Green Chemistry.



5. As a part of neighbourhood activity students of III MPC in collaboration with Department of Chemistry had conducted a visit to Babu Jagjeevanram municipal high school, Municipal employees colony, Vijayawada-10, on 30-12-22 for teaching the school students about personal hygiene, good habits and also distributed the regular needs used in their studies (Pens, books , pouches & pencils etc).



