

# DEPARTMENT OF CHEMISTRY

## ABOUT THE DEPARTMENT:

- ✚ Chemistry Department was established in the year 1998 with Undergraduate course Mi.B.C and later upgraded to other courses like Mi.C.CA , Bc.C.CA and MPC in the academic year 2018 - 19.,The new courses like B.Z.C, Mi.Z.C ,C.Z.CA & B.Z.CA were introduced in the academic year 2019 - 20
- ✚ The department has spacious, well equipped labs and instrumentation room with sufficient number of required instruments.
- ✚ The department is blessed with a team of qualified and dedicated lecturers who are developing consistent pattern and novel methodologies to equip the students with fundamental concept, technical skills and strategies.
- ✚ Smt.A.Kamala sponsored a Gold Medal to the topper in Chemistry. Department sponsors cash incentives to the toppers.
- ✚ Every year department conducts educational field trip, extension lectures, student seminars, student projects, interaction with school children, participation in competitions; etc. which enhance student knowledge and build students' personality.
- ✚ The Department of Chemistry offers a Bridge Course to BSc First year students. The duration of the course is 20 hrs and is conducted at the beginning of First Semester. The objective of the course is to bridge the gap between Intermediate and three years degree course. The course aims to enrich the students with the fundamental concepts of general chemistry

## AIMS & OBJECTIVES:

- Devising innovative and students friendly teaching methodology to promote motivation and interest on basic knowledge of chemistry
- The Chemistry Department prepares students for a diverse and changing world. We strive to contribute to a chemically literate society through teaching.
- The Chemistry Department provides standards for content knowledge, communication skills, research quality, and professional behaviour. We

are committed to demonstrating Chemistry as a human endeavour and as a way to understand the natural world.

- We value access to a quality education in chemistry for a diverse range of students by innovative teaching practices.

Course Code	Courses
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- We value rigorous standards for teaching and learning by fabricating cost effective set up for lab experiments and designing eco - friendly innovative methods of common experiments.

### Vision :

- ✚ To empower women (Students) through holistic & realistic education and function effectively as competent, socially committed and compassionate individuals

### Mission :

- ✚ Through value based quality education, the mission of the department is to achieve high academic and ethical standards with scientific aptitude and social consciousness

**Department of chemistry is involved in teaching the following courses:**

441	B.Sc – M.P.C (Maths, Physics, Chemistry)
445	B.Sc – BZC (Botany, zoology, Chemistry)
457	B.Sc.- MiZC (Micro biology, Zoology, Chemistry)
471	B.Sc – MiBcC (Micro biology, Bio Chemistry, Chemistry)
458	B.Sc – MiBC (Micro biology, Botany Chemistry)
481	B.Sc. – BCCA (Botany, Chemistry, Computer applications)
486	B.Sc. – MCCA (Micro biology, Chemistry, Computer Applications)
490	B.Sc. – BcCCA (Bio Chemistry, Chemistry, Computer applications)
571	B.Sc. – ZCCA (Zoology, Chemistry, computer applications)

### Teaching Faculty

Name of the Faculty	Designation	Post	Experience	Period in this institution
L.Sashikala	Lecturer	Regular	25 years	26-11-2010 – 30 <sup>th</sup> June 2018
M.Shobharani	Asst.Professor	Regular	7 years	31-07-2016– 30 <sup>th</sup> June 2018
D.ValliSowbhagya m	Lecturer	Regular	25 years	30 <sup>th</sup> June 2018
B.Vijaya	Lecturer	Redeployed	11 years	24 <sup>th</sup> July 2018
M. HariPriya	Lecturer	Contract	14 years	3 <sup>rd</sup> Jan 2020

## Highlights of the Department :-

- Organised Field **Trip** -theme "Intercollegiate Chemistry Exhibition Visit" and Visited Raja Bahadur Venkata Rama Reddy Women's College on 30/12/2014 .
- Organised **extension lecture** on 08/1/2015 by K.ESHWARI , Lecturer In chemistry, S.N.Vanitha Mahavidhyalaya, Exhibition Ground. Topic "MOLECULAR SYMMETRY".
- Organised **Seminar** on "MADAME MARIE CURIE –LIFE & INVENTIONS" on birth anniversary celebrations of Madame Marie curie on 06/07/2015
- Organised Extension **lecture** -Topic "Chemical Kinetics" On 21/08/2015 by Smt.A.Surya Kumari , Lecturer in Chemistry, Govt Degree college, Medak.
- Field trip to Annapurna Bio-Ved pvt Ltd, Injapur on 19th Jan 2016.
- Organised Seminar on Women role in development of science on 28th Jan 2016. By Dr. Ramesh president of Jana Vignana Vedika
- On **27-10-2016 extension lecture** was given by Mr. M.Sharath babu on the topic "ELECTRO CHEMISTRY".
- On 08-12-2016 & 09-12-2016 BSc 2nd year students participated in one minute experiment and power point presentation conducted by Keshav memorial Institute of commerce and Sciences in connection with Science Fest and **M.Veena & Sheema Naseer** secured **2nd prize in power point presentation.**
- On **10-02-2017** BSc 1st year students participated in the training programme conducted by planetary society regarding "**ISRO- LAUNCH OF PSLV C-37 MISSION (104 SATELITES)**"
- On 15-02-2017 BSc 1st year students visited 12 different **schools** to bring awareness about **PSLV C-37 MISSION** and **ISRO projects.**
- On **16-02-2017** BSc 1st year students **Pavani & Mahima** participated in the **live** programme "**TOP DEBATE**" in **CVR news** channel on PSLV C-37 MISSION.
- On **28-02-2017** Science department celebrated "**NATIONAL SCIENCE DAY**".
- BSc (Mi.Bi.C) final year students have done their study project "CHEMISTRY INVESTIGATORY PROJECT OF DIFFERENT BRANDS OF COOL DRINKS AVAILABLE IN MARKET"

- Department gave cash incentives to B.Sc 1st year topper Vani and 2nd year topper G.Anusha on 05-11-2016.
- On **16-12-2016 & 17-12-2016** students of BSc 2nd year and 3rd year participated in the **training programme** on “Communication Skills” conducted by Lords Institute of Engineering and Technology.
- Science students conducted Exhibition sale at City College on 18th Feb 2017.
- **B.Sc II year student Saba Mohammadi (110115471026) secured 100/100 in Chemistry**
- Chemistry department has conducted 3 day certificate course from 22-08-2017 to 24-08-2017 in “YOGA-ACUPRESSURE”
- Chemistry department conducted field trip to Coca-Cola Company on 06-09-2017 to explore the chemistry behind the making of soft drinks.
- BSc 3<sup>rd</sup> year student M.Veena has participated in state level one day workshop titled “Applications of chromatography and spectroscopic techniques in Chemistry” and won first prize in power point presentation.
- Chemistry department has organised an extension lecture on the topic “Separation Techniques in Chemistry” on 20-11-2017 by Mr.M.Anil kumar, Asst.Professor, Govt.City College, Hyderabad.
- Final year students M.Veena, G.Preethi, Saba Mohammadi, Sheema Naseer, Karishma.K have done Student study project on “Saponification of Oils” and given powerpoint presentation in Government City College on 28-12-2017.
- Department of Chemistry has organised “Chemistry Lab Open Day” on 25-01-2018 and invited School children to inculcate interest and exposure in Chemistry subject.
- Department of Chemistry organized **Guest lecture on Potentiometry** by inviting **Dr G.Vanajatha, Asst. prof of Chemistry, GDC Ibrahimpatnam** on 15<sup>th</sup> September
- On an account of **NATIONAL SCIENCE DAY** celebrations, students participated in **SCIENTIA** organized by Department of Chemistry OU on 26<sup>th</sup> February 2019.
- Our Chemistry students study project, “**QUALITY ASSESSMENT OF SELECTED TOP BRANDS OF TOOTHPASTE IN INDIA**” has been selected for **JIGNASA STATE LEVEL COMPETITION**

