



## Department of Chemical Technology

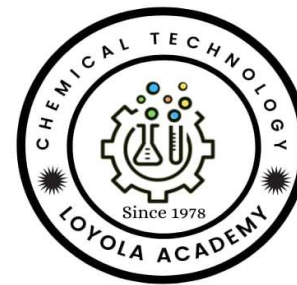
### LOYOLA ACADEMY

(DEGREE & PG COLLEGE)

(Autonomous and affiliated to Osmania University)

Re-accredited with 'A' Grade (3.20/4.00 CGPA) by NAAC (III Cycle)

A "College with Potential for Excellence" by UGC



#### **Vision:**

To impart higher education with integral formation focused on infusing together science, engineering, and technology for holistic development.

#### **Mission:**

To integrate innovative practices in skill-based learning through involvement in chemical / pharmaceutical industries, to mould students to be socially responsible citizens.

### About Department of Chemical Technology

The Department of Chemical Technology was the first department set up at Loyola Academy, in the year 1978. The B.Sc. Chemical Technology course is affiliated to Osmania University, and it was brought under grant-in-aid by the Government of Telangana in 1990. B.Sc. Chemical Technology (CT) course is a job-oriented course which has a very good reputation for the past 45 years. The curriculum for the course was designed to suit the present requirements of chemical industries, research organizations, and multinational companies. Our students are placed in various prestigious companies like DuPont de Nemours, Inc., ITC, Hetero Drugs, Dr. Reddy's labs, Rajashree Cements, MRF Ltd., Neuland laboratories, Asian Paints, etc. Majority of our students pursue higher studies from premier institutes of Indian and prestigious universities around the globe and we are blessed to have many gifted alumni working as bureaucrats with state and central governments. The department is blessed with many learned faculties, most of our faculty are having full-time doctoral degrees from premier institutes and the remaining faculty have registered for their Ph.D.'s. This is the only course in the country which is having a blend of chemistry and chemical engineering subjects. Apart from the laboratories with all the equipment for basic science subjects like physics and chemistry, our department is having a good number of core chemical engineering laboratories such as Fluid Mechanics, Heat Transfer, Mass Transfer, Mechanical Unit Operations, Chemical Reaction Engineering, Chemical Technology. The department is having a state-of-the-art research laboratory to conduct research and most of the research findings are disseminated through filing patents, publications in peer-reviewed International high impact factor journals, books, book chapters published by world-renewed publishers such as the American Chemical Society (ACS), Elsevier, Taylor & Francis, Wiley Inc., Springer Nature, etc.

#### **Student Centric Methods:**

- Industrial Visit
- Industry Linked Projects
- In-House Projects
- Weekly Assignments
- Use of ICT
- Presentation by Students
- Mentoring & Guidance
- Remedial Classes
- Program for Slow Learners

### Why Chemical Technology?

- ❖ Legacy of joining the department which is first at Loyola having 45 years glorious history.
- ❖ Outcome based learning
- ❖ Qualified, Learned & Dedicated Faculty members
- ❖ Classrooms & labs with modern amenities like ICT tools
- ❖ Industrial Visits
- ❖ Internships & Projects
- ❖ Mentoring & Career Guidance (Student Centric)
- ❖ YouTube Lessons available round the clock & Online Support
- ❖ Regular interaction between parent-teacher-student via mentoring PTM etc.
- ❖ Letter of recommendation from globally acclaimed faculty for successful admission abroad
- ❖ Management scholarship support
- ❖ Awards to meritorious students from department endowment funds
- ❖ Student can play leadership role during study
- ❖ Good vertical mobility (Higher Education and very good placements).

### What's Next after this course?

#### Vertical Mobility

#### Higher Studies

- M.Sc. Chemistry
- M.Sc. Physics
- M.Sc. Maths
- M.B.A.
- M.C.A.
- B.Tech. (Equivalent) through AMIE

#### Employment

Government / Non-Government jobs with degree eligibility such as:

- UPSC
- IFS
- Defense
- Banking
- Revenue etc.

#### Chemical / Pharmaceutical Industries

in and around Hyderabad like:

- Asian Paints
- Escentia Pvt. Ltd.
- Hetero Drugs,
- Dr. Reddy's laboratories,
- Neuland laboratories,
- Vasanth Chemicals
- Granules India
- Symed Labs etc.

National level reputed companies like:

- Nuclear Fuel Complex.
- ITC Ltd.
- Asian Paints Ltd.
- Rajashree cements Ltd.
- MRF Ltd.
- IFFCO
- Hindustan Petroleum Corporation Ltd. etc.

### How we Support you?

#### Student Support System

##### ❖ Financial:

- Management Scholarships
- Government Scholarships
- Free Breakfast to Athletes
- Sponsorship to NCC/NSS Camps etc.

##### ❖ Career Advancement:

- Placements
- Guidance to Higher Education
- Mentoring

##### ❖ Physical & Mental Growth

##### ❖ Spiritual:

- Morning Prayers
- Weekly Prayer Meetings
- Retreats
- Spiritual Day

##### ❖ Leadership:

- Student Council
- CR
- ACR

##### ❖ Adventure & Training:

- NCC
- NSS
- Sports
- Clubs