

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Sree Dattha Institute of Pharmacy, founded in 2005 under the aegis of Vyjayanthi Educational Society, represents a rich tradition of excellence in pharmaceutical sciences based education. A premier-league institution among the affiliates of Jawaharlal Nehru Technological University Hyderabad under Sree Dattha Institutions owes to its vision to Sri G. Panduranga Reddy, the Chairman of Sree Dattha Institutions.

The Institute is approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi, Affiliated to Jawaharlal Nehru Technological University, Hyderabad and recognized by Government of Telangana.

The Institute special achievements include well established animal house for the experimentation on animals as per the guidelines of CPCSEA, New Delhi and the Institutional Animal Ethical Committee is approved by CPCSEA, New Delhi. The Institute is also accredited by National Board of Accreditation, New Delhi for three years for B.Pharmacy Course. The Institute has been accorded Section 2(f) approval by University Grants Commission, New Delhi. SDIP is ISO 9001:2015 certified.

Experienced and highly qualified faculties, separate hostel facility for Boys & Girls, state-of-the-art laboratories with practical oriented teaching, library with national & international journals and book bank facility, internet facility with e-learning, campus selection, coaching for national level examinations for P.G. studies, assistance in overseas studies, ragging free and student friendly atmosphere are some of the salient features of our institution.

The institution provides coaching in English communication, remedial coaching for academically weak students, special training in Pharmacy equipment handling for UG and PG students, Student mentoring for all course students, Hospital and Clinical training for Pharm.D & Pharm.D(PB) students, Blood Bank training for first year B.Pharm students, Community Pharmacy training for second year B.Pharm students, Pharmaceutical Industry training for third year B.Pharm students and GPAT coaching for third and fourth Year B.Pharm students. Special guidance on IELTS, GRE, TOFEL is provided to the students who are willing to go abroad for their higher studies.

The Institute has entered MoU with Global Hospital for Hospital & Clinical Training, MAHSA University, Malaysia for Student Mobility Program, Clinosol Private Limited, Hyderabad for GPAT coaching, Clinical Research and Pharmacovigilence training.

Vision

Vision of the Institution:

To develop this Institute as one of the premier & top-class institution in dynamic equilibrium with its social, ecological and economic environment, serving continuously to excellence in education, research and pharmaceutical service to nation.

Mission

Mission of the Institution:

1. To provide high quality enterprising students with excellent pharmaceutical and technological skills.
2. To create and sustain a community of learning in which students acquire knowledge and learn to apply it professionally with due consideration for ethical and economic issues.
3. To pursue Research and disseminate research findings.
4. To help in building national capabilities in pharmaceutical sciences, education and research

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

Strength:

Faculty: Institute has highly educated and experienced faculty with rich academic and research background. Faculty members are actively involved in research activities and even guiding the students to involve in the research work and publications. The faculty student ratio is as per regulatory body norms.

Infrastructure: The institute has spacious and ventilated ICT enabled classrooms and laboratories equipped with sophisticated instruments, rich library, well equipped computer laboratory with internet connection, Wi-Fi enabled campus. The institute has animal house duly registered with CPCSEA.

Faculty Development and Improvement Initiatives: The institute regularly organizes seminar/workshop for faculty members. Institute also encourages faculty to attend seminar/workshop/conferences organized by other institutes/Universities.

Training and Placement Cell: The institute has active Training and Placement cell to bridge the gap between industry and institute. On campus or Off-campus interviews are organized through Cell and students are placed in different Pharmaceutical Industries, Pharmacy Shops or Hospitals.

Student support: Ragging free campus. Extracurricular and Curricular activities for like Seminar, Pharma festival, sports activities, Festival celebrations etc. for their overall development. Students are also encouraged to participate and present papers in local and national conferences.

MoUs: The Institute has entered MoU with

1. Global Hospital, Hyderabad for Hospital & Clinical Training
2. MAHSA University, Malaysia for Student Mobility Program
3. Clinisol Private Limited, Hyderabad for GPAT coaching, Clinical Research and Pharmacovigilence training
4. Success Minds, Hyderabad for Medical Coding Training
5. Syncorp Private Limited, Hyderabad for Pharmaceutical Industry Oriented and Clinical Research training

Institutional Weakness**Weakness:**

- Located in a rural area and on city outskirts
- Less number of books authored by faculties
- Lack of industry oriented syllabus

Institutional Opportunity**Opportunity:**

- Permanent affiliation to the affiliating University.
- 12(b) recognition from UGC.
- Research funding from different agencies like AICTE, DBT, DST etc.

Institutional Challenge**Challenge:**

- Autonomy in the syllabus and examination system
- Meeting the expectation of industry

1.3 CRITERIA WISE SUMMARY**Pharmacy Part**

Our institute develop modules on competency based curriculum enrichment as per AICTE, PCI and University guidelines. The institute adapted various methods in order to assess the students internally by conducting seminars, projects and also by written examinations. The institute allows and encourages faculty and students to publish papers and research articles and also encourages the faculty to attend FDP programs organized by our college as well as by professional bodies or other colleges/Universities held at national or international level. Institute supports the faculty to be registered members of professional bodies. The institute adapts safety norms in terms of electricity, installation of fire extinguishers, in handling of hazardous chemicals and safety drills as per the protocol. The institute created new physical facilities such as installation of software, wifi facilities, e-library etc and also installed some of the sophisticated equipment such all purpose machine, Brooke field viscometer, tablet punching machine, dissolution apparatus, HPLC etc for development of students and institute. The institute uses the following software such as clinirex soft ware for monitoring student activities in hospital, Ex Pharm series soft ware to handle pharmacological experiments, calculator for data analysis etc for teaching-learning process and research purpose. The institute is facilitated with permanent and temporary medicinal plants garden, various drug museums in each floor, pharmaceutical pilot plant, drug information and poison center available at Aware Gleneagles Global Hospital, located at L.B.Nagar. The institute maintains log books for sophisticated instruments/equipment, laboratory manuals for all the laboratories, follows Standard

Operating Procedures for all the instruments/equipments and maintains periodical calibration records and records for annual maintenance contract of equipment. The college conducts internal audits for equipments, chemicals and glassware before the beginning of every academic year in order to avoid the deficiency of chemicals, glassware and calibration of equipment to check its working conditions. The institute encourages students to undergo different kinds of training like Blood Bank training for first year B.Pharmacy students, Community Pharmacy training for second B.Pharmacy students, Industrial training for third year B.Pharmacy students, GPAT training for third and fourth year B.Pharmacy students. Pharm.D and PB students undergo Hospital and Clinical Training.

Curricular Aspects

The Institute has clear vision and mission regarding implementation of academic curriculum for overall learning of students. Apart from the the syllabus given by regulatory bodies, beyond the syllabus teaching which includes GPAT syllabus is also taught to the B.Pharmacy students. The Course planning is done by faculty members which include course content, identified curriculum gaps based on pre defined POs and COs, keeping in line with Institute mission. The College makes every effort in providing the quality education by creating innovative educational environment and promoting creativity to develop skilled human resources. Faculty members of the institute participate in the workshops and faculty development programme conducted by the colleges or university for gaining knowledge in field of research, new developments in industry and contribute towards strengthening the programme curriculum with current demands. Department Academic Calendars are prepared which include curricular, co-curricular and extra-curricular activities. The IQAC helps in assessing and updating the changes in academics as per the regulatory bodies. The College also introduced add on courses where students learn, practice and improve their skills in particular fields, which will help them in gaining experience. Research projects have been designed to expose the Students multidisciplinary approach viz. synthesis, formulation, analysis and biological/phytochemical screening of pharmaceutical products. Faculty guide Students to involve in long term practicing of pharmaceutical techniques and research projects which will help them in exposing to the work environment and also improves their analytical and management skills. Pharm.D and PB students undergo Clerkship in the fifth year and Internship in the Sixth year. The college provides opportunities for better exposure to the students by conducting industrial trips, Internships and technical training programme through reputed companies. The feedback from stakeholders like students, parents, staff, alumni, and industry is recorded and assessed by the committee for the regular improvement and upgradation of the academics. As per the academic calendar given by the University mid exams, lab mid exams, end exams and lab end exams are conducted. Apart from the regular academic activities, students are encourage to participate in the sports, cultural, conferences and seminars organised by other colleges or University.

Teaching-learning and Evaluation

This institution is established with a goal of serving the human kind producing skilled pharmacists. The college ensures complete transparency in the admission process with well-defined percentage of seats for general and reserved categories. The college follows centralized admission process based on EAMCET/PGECET which is conducted by Directorate of Technical Education, Telangana. Advertisement is released in newspaper for the admissions to institutional quota seats that is done on the basis of merit.

The teaching learning process utilizes various methodologies like experiential learning, participative learning, group discussions etc. ICT enabled teaching methods help the students in better understanding. The teaching staff at college is blend of young-enthusiastic and experienced-Ph.D. holders, from different universities. They

plan their teaching sessions in advance with a focus on course outcomes and delivery is supported by tools like LCD/OHP, e-journals and books etc. Teachers are motivated to update their knowledge by attending conferences, workshops. They strive to improve their performance based on students' feedback. Students' performance is evaluated based on in-semester and end-semester examinations. The type of continuous internal examinations are varied depending on the nature of subject.

Throughout the program, the examination question paper includes questions to test knowledge and understanding as well as for analyzing, problem solving ability through application oriented questions. The mid-term examination question paper are prepared by considering Bloom's Taxonomy. The assessment is transparent and students' grievances, if any, are resolved by examination department. The achievement of learning goals is supported through ICT enabled, demonstrative, participative teaching and guest lectures.

Research, Innovations and Extension

Sree Dattha Institute of Pharmacy inculcates research culture ensuring involvement of undergraduate also.

Fifty percent of teachers are approved post graduate guides and 1 are approved PhD guides in JNTUH and various universities the average of per student guide available is 1.62 for postgraduate student.

We have organized around 16 Seminar and workshops from 2014 to 2019 in intellectual property Clinical Research, Pharmacovigilance, Research Methodology, Research Publication, Regulatory Affairs skills necessary to incubate ideas of students.

The Research Advisory Committee (RAC) strives to channelize the research work and promote students for various competitions. Code of ethics in research is available on website. Decision to screen all thesis and publications for plagiarism was taken by RAC as a latest reform.

From the inception, the institute is very keen about development and inculcation of research acumen in students and faculty, for achieving this goal, the institute has designed very unique, versatile and a novel 'Research and Consultancy Policy'. Further, the institute has various internal committees like, Research Advisory Committee (RAC), Institutional Animal Ethical Committee. having various roles such as; networking with industries for availing research projects, developing the industry-institute interaction; utilizing the expertise of the faculty for obtaining findings, developing research interest and acumen in students by involving them in research activities; motivating faculty for writing various research proposals, facilitating the faculty to work on various innovative ideas, creating awareness in students and faculty about the current research trend. Some of the achievements are as follows the institute has received research grant of Rs. 6.9600 Lakhs (2017-2019) from Chandra Lab Hyderabad. Till the date Sree Dattha Institute of Pharmacy has filed 1 books have been published by Dr. Shivkumar Shete (ISBN-10: 6139831253).

Infrastructure and Learning Resources

The Institute is situated in a beautifully landscaped, lush green, noise-free campus is approved by PCI, AICTE, affiliated to Jawaharlal Nehru Technological University (JNTU), Hyderabad. Since its establishment in 2005, the institution has excellent infrastructural facilities and pedagogy, which are properly maintained and upgraded according to need of higher education and meet the regulatory requirements of AICTE, PCI and University. There are adequate number of well-furnished, well-ventilated and spacious class rooms with conventional

(black board) as well as LCD Projector facility. The Institute is well equipped with operational laboratories, conference room, seminar hall, drug museum, beautiful exhibition & display sections in each corridor, temporary and permanent medicinal plants garden. All laboratories are well equipped with water, gas and electricity supply and safety features (fire extinguishers), which provides good atmosphere for academic and research work. Students are trained and promoted to use highly sophisticated instruments like HPLC, UV Spectrophotometer, tablet coating machine, tablet punching machine laminar air flow etc. Institute also has Animal house maintained as per CPCSEA guidelines. Fire extinguishers are also installed in all the laboratories and corridors of the building. The learning process has been empowered with rich library having vast collection of over 1295 textbooks, 9492 volumes of printed books, 950 titles of e-books, 1010 volumes of e-books, 20 printed journals, 314 e-journals, 129 CDs and other readable articles online through internet. The college has MOU with Aware Gleneagles Global Hospitals, located in LB Nagar to provide clinical training to Pharm D students. Institute has a playground in the campus in around for outdoor games like volleyball court, kabaddi ground, badminton court, basketball court, kho-kho, Tennicoit and tug of war. Institute also has indoor games and sports facilities like Caroms, Chess etc. Students are promoted to participate in various cultural activities like Fresher's Day, Ganesh festival celebration, Janmashtami, Batukamma, Pharmacist day, Teachers day celebration. Hostel, canteen, transport, bank-ATM, ambulance, stationary etc. facilities are also available. Every workplace in the institute, including faculty rooms, offices, computer labs, library and administrative offices, has access through Wi-Fi connectivity. CCTV cameras are also installed for security and safety at various locations.

Student Support and Progression

The college takes all necessary efforts to provide assistance to students, increase student performance and student progression. Students are provided with scholarships by the government of Telangana and in the last five years 64% of students are benefited. GPAT qualified students through government schemes and notified about non government scheme circulars from time to time. For capability and career advancement, guest lectures (guidance for competitive examinations and career counseling), personality development sessions, personal counseling through specialized counselors and Yoga and meditation sessions are organized. The students are provided with training and guidance for competitive examinations and career counseling offered by the Institution. The institution has a separate student cell for international students majority of students are from Sudan and Egypt. They have separate mentor for assessing them in regards classes and interaction with others. The institution has anti-ragging committee for resolving the problems encountered by student grievances and conducting minutes of meeting and record the action taken. In order to maintain the carrier path of students, separate classes are conducted for GPAT and other competitive examinations and are guidance for take up for industrial training to develop practical knowledge also. In view of all the efforts taken up by the institute for student development, majority of undergraduate (UG) students opt for higher education (over employment) by excelling in various national and international competitive examinations. Institute's Training and Placement cell facilitates campus and off campus interviews for placement of students. Well staffed Training and Placement Team provides placement oriented training to enable students get placed in good companies. Apart from academic activities, the students get ample opportunities to participate in various sports and cultural events such as Pharmacist day, Teachers day, Krishnashtami celebrations etc. Students in general and women in particular participate in these events in large numbers. College has a registered Alumni Society, information of outgoing students is maintained in alumni database and alumni are encouraged to various activities including alumni meet, guest lectures and social activities.

Governance, Leadership and Management

The institute has designed its vision, mission and programme outcomes (POs) Course outcomes (COs) by taking suggestions and views of stake holders into account. Decentralization, conducive atmosphere, good retention of experienced staff helps to achieve the vision, mission and goals of the Institute. The institution promotes participative management by being receptive to suggestions and advice from teaching staff, non teaching staff and stake holders through their involvement in different committees like IQAC, Anti ragging committee, Grievance Redressal Cells, Industry Institute Interaction Cell (IIIC), Student council etc. The leadership qualities of the faculty members are groomed by shouldering them with various responsibilities in capacities of Academic Co-ordinator (U.G & P.G), Coordinator, ARC (Academic Research Co-ordinator) , Exam branch Incharge, NSS Programme Officer, Class Teacher, Floor Incharge etc. The institute has constituted various committees (Anti ragging, Grievance Redressal Cell, Women Development Cell etc) in accordance with regulatory guidelines to ensure safety and welfare of staff and students. They are also deputed to attend national and international conferences, seminars and workshops. It has a Proactive Women's cell to look after various issues of female students and prevention of sexual harassment of female employees. The institute follows university norms for recruitment. Teaching and non-teaching staff members attend national and international conferences, seminars and workshops and are trained to enhance their professional competencies through various staff development, orientation and skill up gradation programs. Performance appraisals and feedback mechanism are the key tools, which help in assessing the performance of the staff and provide insight into the improvement plans to be adopted. There is a proper allocation and utilization of the annual budget. Periodical internal and external audits are conducted to ensure optimum utilization of funds as stated in the budgets.

Institutional Values and Best Practices

The need of environmental consciousness along with progress is must for safeguarding the future. The institute is dedicated to develop and inculcate institutional values and adopted time tested practices for the betterment of students and society. The institute provides facilities like safety, security, separate common rooms and counseling sessions for gender sensitivity. We give equal opportunity to boys and girls in every aspect and in all the activities. For Divyangjan, we have ramps at different places wherever necessary, lift and wheelchair facility. The institute performs green audit of its campus. We are committed towards environmental conservations and have established systems for solid, liquid, biological and e-waste management. We have in built rainwater harvesting system. We engage multiple programs to keep our commitment towards community like road safety awareness, cleanliness drive, health checkup camps, tree plantation, street plays and rallies for social issues like de-addiction. The institution adopts innovation and best practices to ensure that the teaching-learning process is fit to face the emerging challenges. The institute promotes human values and motivates the students towards ethical practices by celebrating national days such as Independence Day, Republic Day, Teachers Day etc and various festivals like Ganesha Chaturthi, Sri Krishna Janmashtami, Ramzan Iftaar, Christmas and the Telangana regional festival Bathukamma to nurture students with nationalism, moral values, human rights and ethical behavior. We have decentralized administration system with well-defined roles at each level to increase participation of faculty in decision making, resolution of problems and accountability. We also have academic monitoring committee where students are also involved in the monitoring system so that continuous updating is done on the basis of their feedback. One of the distinctive areas of the college is in research and development which get reflected in publications, presentations. The institute has also adopted best practices leading to quality sustenance and enhancement such as, Blood Bank training, Pharmacy Practice, training, Industrial training, Hospital & Clinical training, GPAT coaching, GRE & TOFEL guidance etc for the overall development of students to understand the profession in a better manner. Tree Plantation, Water and Energy saving best practices are executed in the college.

NAAC