

D.S.T.S. Mandal's COLLEGE OF PHARMACY, SOLAPUR

PERSPECTIVE PLAN

2021-25



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PREAMBLE:

D. S. T. S. Mandal's College of Pharmacy, Solapur is a pioneer institute in Solapur region established by the founder president Late Shri. V.G. Shivdare, a freedom-fighter and ex-MLA. Solapur is well-known for its textile industries with geographic index for production of famous "Solapuri Chaadar". Solapur is a pilgrimage tourism place for the devotees visiting not only Solapur but for Pandharpur, Tuljapur, Akkalkot, Ganagapur. The city is located at the apex of three states viz. Maharashtra, Karnataka and Telangana and is an important Medical tourism centre also having fairly advanced medical infrastructure and comparatively economical treatment for the patients coming from these states. In future, with augmentation of facilities for connectivity by air travel, the city has a potential to provide facilities for Clinical Research also.



About the institute:

Shri. V.G. Shivdare Anna, Ex MLA along with selected education lovers in Solapur established Dakshin Solapur Taluka Shikshan Mandal (D.S.T.S. Mandal), Solapur in 1976 and now it has obtained the of Kannada Linguistic Minority status since 2018. D.S.T.S. Mandal decided to establish a pharmacy college to help the students in the region of Solapur who had to travel long distance in Maharashtra, Karnataka and Andhra Pradesh. So D. S. T. S. Mandal's College of Pharmacy (Poly), Solapur with diploma course in pharmacy was established in the auspicious temple complex of Shri Siddheshwar Temple on a "Grant-in-Aid" basis in the year 1980. The college was shifted to the own building at Jule Solapur, i.e the present building.

Later, an independent D. S. T. S. Mandal's College of Pharmacy, Solapur with degree in Pharmacy was established on no-grant basis in the year 1993. PG was introduced in 2011. Currently we offer M. Pharm in Pharmaceutical Quality Assurance, M. Pharm in Pharmaceutics and the institute is also a recognized research center of P.A.H. Solapur University, Solapur for Ph. D in Pharmacy. The institute is approved by Pharmacy Council of India and All India Council for Technical Education, New Delhi and affiliated to P.A.H. Solapur University, Solapur and is a Kannada Linguistic Minority Institute.

The management of D. S. T. S. Mandal, Solapur also runs. D. S. T. S. Mandal's College of Pharmacy (Poly), V.G. Shivdare College of Arts, Commerce and Science, V.G. Shivdare Junior College and Unique English Medium School. The campus offers KG to PG and Ph.D. education.





B. Milestones Achieved since the inception of the institute:

The important milestones achieved by COPS includes

- Graduation of first batch in 1997.
- 2. Gradual increase in intake from
 - a. 30 to 40 in 2003,
 - b. 40 to 60 in 2006 and
 - c. 60 to 100 in 2013.
- 3. Introduction of M. Pharm in Pharmaceutical Quality Assurance and Pharmaceutics in the years 2011 and 2012 respectively.
- 4. Recognition as Ph.D research Centre of Punyashlok Ahilyadevi Holkar Solapur University, Solapur.
- 5. Principal Dr. R.Y. Patil was invited and appointed as Director, Board of College and University Development (BCUD), by the Hon. Vice Chancellor Solapur University, Solapur by Hon'ble Vice Chancellor in 2015.
- 6. Accreditation of UG program from 2019 to June 2022.

7. Awards Received

- a. In 2017, the college received "Clean Campus Award" by Solapur Municipal Corporation.
- b. In 2019, our NSS unit received **Best NSS Unit Award** at University level and
- c. In 2019, NSS coordinator Mr. S. M. Mathapati was awarded as Best NSS Coordinator at university level.
- d. In 2019, Mr. S.M. Mathapati received **Special Appreciation Award** at the state level.

8. Grants Received:

Our faculty members viz. Dr. Y.S. Thorat and Dr. S.T Kumbhar received 2 research grants from Punyashlok Ahilyadevi Holkar Solapur University, Solapur under **Seed Money For Research**- In total Rs. 1,70,000/

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VISION MISSION STATEMENT

The management has always been keen on following the quality benchmarks with the approach of consistent sustainable development. Since inception, the management has been very clear in the concept of preparing everything to fulfill the minimum requirements of Statutory Regulating Authorities and making the applications; may it be for increase in intake or for starting of the PG. This has been the vision of the management from the very beginning. The approach is evident in the vision statement to provide a conducive learning environment to the students for fostering their professional growth through holistic development, not only as a pharmacist but also as a responsible citizen. We owe a lot to "Mother Pharmacy" hence we believe it to be our endeavor to strive for the status and stature of the pharmacist as a vital member of health care system.

Vision

"To impart quality pharmaceutical education to cater to the growing needs of the Profession of Pharmacy."

Mission:

- 1. To create conducive learning environment through modern infrastructure.
- 2. To incorporate the best available practices in teaching, training and research.
- 3. To develop responsible pharmacists to foster professional growth.
- 4. To make pharmacist a vital member of health care system.

Program Educational Objectives (PEOs)

- 1. To make graduates proficient and successful pharmacists, in all operational sectors.
- 2. To encourage graduates for higher education.
- 3. To instill values and professional ethics so as to provide the best possible health care services to the society.
- To promote entrepreneurship amongst the graduates.



INSTITUTIONAL GOALS

Goal 1: Student Centric learning

We strongly believe that the main aim of the entire system of education is ensure the overall development of our students. The concept of outcome based education is adopted by the institute. The curriculum is meticulously planned. Various delivery methods are applied for the effective teaching and learning. In addition to the lectures and practicals, students also get exposure to the experiential and participative learning experiences including research projects, industrial visits, trainings, internships etc. Regular feedback mechanism has been of great help in taking steps to improve the quality of education.

Goal 2: Overall student development

Along with the academic development of the students, we also work for the overall personality development of the students including the development of communication skills and soft skills. Guest lecturers of various eminent speakers from academia, industry and outside world are regularly arranged. Active NSS unit of 200 volunteers instills the sense of social responsibility and develops ethical values in the students to emerge as responsible citizens.

The NSS unit of our college has been awarded with the First prize and the honor of "Best NSS Unit" award for the Year 2018-19 by P.A.H. Solapur University, Solapur. Further the unit was recommended to the state for the state level award for 2018-19. Our NSS Programme Officer, Shri. S. S. Mathapati also has been awarded with the First Prize as "Best Programme Officer" at the university level and was recommended to the state for the state award for 2018-19. Accordingly our NSS programme officer, Shri. S S Mathapati, has been honored with the state level "Best Programme Officer Appreciation Certificate Award" for 2018-19 at Mumbai by the Hon'ble Minister of Higher & Technical Education, Govt. of Maharashtra.

Organizing of activities like "Happiness Program" with the Art of Living Foundation resulted great outcomes in the students to be stable, calm, focused even in adverse situations as a result of an effective knowledge points and the unique world renowned technique of *Sudarshan Kriya Yoga (SKY)*. These students are found anytime better in handling the stress effectively and leading a better life with enhanced interpersonal skills to work effectively in groups.

Goal 3: Development of research attributes in students

It has become inevitable in academic institutions to inculcate research attributes amongst the faculty and students for fostering the effective learning skills. Innovation is the key for growth and progress in today's era. Development of Research attributes has been accomplished through the well planned, coordinated research projects for UG and PG students. The institute has been playing a supportive role for the research through providing adequate facility for completion of research projects including the doctoral research work of the faculty members. Various activities like journal club, seminars on research

methodology are regularly conducted. A two Weeks' international conference on scientific writing, "ESCOM-2019" was organized during the Covid Pandemic period.

Goal 4:Strengthening Alumni Association

We have a registered alumni association- "Solapur Pharmacy Students Association" (SPSA) which is registered under the Society's Act, 1860. The association represents the alumni of D. S. T. S. Mandal's College of Pharmacy, Solapur and D. S. T. S. Mandal's College of Pharmacy (Poly), Solapur together. SPSA has been working well in providing support to the institute in terms of guest lectures, career guidance to the students, placement and industrial visits. Many alumni have been supporting their institute by various donations also, in the form of books, models and free samples of APIs for research projects.



SWOC ANALYSIS

STRENGTHS

- 1. Pioneer institute in Solapur region imparting Degree level Pharmacy education for last three decades.
- 2. Excellent student enrollment
- 3. Adequate Infrastructure
- 4. Experienced faculty with high retention
- 5. Excellent academic & Placement records
- 6. Mentoring system
- 7. Preferred institute for girl students in the region due to better security and support.

WEAKNESSES:

- 1. English Communication of the students
- 2. Considerable contribution towards Research, Consultancy & Patents by faculty
- 3. Major Collaborations with industry for student exchange
- 4. Foreign university collaborations
- 5. Lack of Hostel for Boys and Girls.
- 6.

OPPORTUNITIES

- 1. Scope for improvement in research and collaborations due to growing number of faculty with Ph.D. qualification, Ph. D. guides and Ph.D. scholars as well as augmentation in infrastructure.
- 2. Preparedness of the students from rural background for focused hard work
- 3. Solapur being a Medical Hub, Clinical Research sector shall grow in Solapur generating more opportunities.

CHALLENGES

- 1. Delayed reimbursement of huge proportion of fees from Govt.
- 2. Imbalance in the departmental work load of UG curriculum.
- 3. Countable Pharma industries in Solapur
- 4. Disturbed admission schedule and academic activities after COVID pandemic



STRATEGIC PLAN TO ADDRESS THE WEAKNESSES & CHALLENGES:

SWOC analysis enables us to overcome the weaknesses and challenges by strategic planning. The following focus points were identified in SWOC analysis to plan for the future development of students and institute at large.

- 1. Infrastructure
- 2. Student development
- 3. Collaborative work
- E OF PHA Disturbed schedule due to COVID pandemic
- Financial planning

Following strategic objectives are proposed to address the above weakness and challenges

Weaknesses

- 1. To improve the English Communication of the students, various efforts are continuously being taken. An experienced teacher having more than 40 years of experience and specialization in English is appointed to teach Communication skills. A workshop on English grammar and spoken English was also conducted for the faculty also. The students are motivated to communicate with each other in English. The activities like seminars, elocution competitions and essay competitions are regularly organized by the college.
- 2. The faulty members are motivated to apply for the research grants from Government and nongovernment agencies for the research Projects. Various major instruments are purchased th<mark>ro</mark>ugh to improve the quality of Research, research publications or patents, this augmentation in laboratory facility would further improve the contribution in research component.
- 3. Approaching various institutes, industries and government organizations to get formally associated with them through collaborations for student exchange and research.

Challenges:

- 1. Financial support provided by the management as per needs.
- Managing the imbalance in the interdepartmental workloads in odd and even semester curriculum allocating the subjects to the suitable teachers.
- 3. To arrange Industrial and educational visits out of Solapur also.
- 4. To organize more focused workshops to provide the hands-on experience of pharmaceutical equipments in the college itself.
- 5. To plan and coordinate with the university authorities to cope up with the disturbed academic schedules after COVID pandemic.
- 6. To plan for staff appointments as per needs.



FOR 2021-25

Motives	Strategic objective	tegic objective Action Plan		
	Affiliation	To apply for the affiliation of the Programs to P.A.H.		
	Ailliation	Solapur University, Solapur as per given schedule		
	PCI Approval	To submit SIF to PCI, New Delhi for approval of		
	r Ci Appiovai	programs and get approval as per given schedule		
Administrative	AICTE Approval	To submit EoA to AICTE, New Delhi for approval of		
Administrative	AIOTE Appiovai	programs and get approval as per given schedule		
	NIRF Ranking To participate in NIRF Ranking as per given schedu			
	ARIIA Ranking	To participate in ARIIA Ranking as per given schedule		
16	Performance appraisal	To perform faculty performance appraisal process every		
	Torromance appraisa	year		
		To get the posts sanctioned by the university		
Curricular	Faculty Appointments	To conduct interview for the appointment of qualified		
aspects	r acany rippomaneme	teachers as per UGC/ PCI norms against all sanctioned		
		posts.		
\ cf	Academ <mark>ic</mark> and	To conduct of Academic and administrative Audits		
1	administr <mark>ative Audits</mark>			
1	Accreditation	To apply for accreditation		
	Additional skill	To strengthen the SWAYAM MOOC and NPTEL		
	development of students	activities		
Quality	Conduct of periodic audits	To conduct Energy audit, Green audit periodically		
Assurance	Institutional policies	To develop, implement and amend various institutional		
	-0/1	policies and standard operating procedures		
	Funding through various	Application for various schemes		
	government and non-	Application for various scriences		
	government agencies			
Infrastructure	Utilization of existing grants	Purchase of major laboratory equipments through		
development	for infrastructure	research and developmental grants		
	augmentation	1119		
	Development of Medicinal	To use pots for cultivation of medicinal plants in harsh		
	plant garden	and hot environment of Solapur.		



Motives	Strategic objective	Action Plan		
	e-governance initiatives in	To implement bar coding facility and SOUL software to		
	Library upgradation	initiate e-governance in Library management		
	Drosophila fly lab project	To continue development of Drosophila fly lab project		
	Industrial visits	To plan for industrial visits for providing industrial		
Training and	industrial visits	exposure to the students		
Placement	Placement drives	To strengthen TPO activities to conduct campus drives		
	Skill development	To conduct various soft skill development courses		
		To apply for various research grants		
		To motivate students and faculty to do more and more		
	Research activities	applied research and present in AVISHKAR and other		
	Research activities	conferences.		
		To motivate and facilitate faculty to complete their		
Research &		doctoral studies		
Innovation	Research publications	To motivate faculty and students to publish their research		
imovation		work in peer reviewed journals preferably indexed in		
2		Scopus/ UGC CARE list		
	Patent	To strengthen activities to facilitate the faculty and		
l ef		students to file patents		
	Collaborations	To sign formal MoU with Industries, government		
1	Conaborations	agencies and other academic institutes.		
	To further enhance employability skills	To conduct more and more employability skill workshops		
		preferably through search for CSR funds from more		
		sources.		
Student	Mrityunjay Club	To estimate hemoglobin in girls regularly and counsel		
Welfare	, 3.1,3.7	them to improve Hb to lead a healthy family life in future.		
Activities		To conduct health awareness programs for promoting		
		women hygiene.		
	Stress relief	To conduct various stress relief programs including		
	Cu dod rollor	Happiness program by Art of Living Foundation		



CURRENT STATUS OF ACCOMPLISHMENTS

Motives	Strategic objective	Action Plan	Current status
Administrati	University Affiliation	To apply as per given schedule to	B.Pharm. and M.Pharm.
ve		P.A.H. Solapur University, Solapur for continuation of affiliation.	(Pharmaceutics) affiliation granted up to 2023-24 M.Pharm.(PQA) affiliation granted up to 2024-25
	PCI Approval	To submit SIF to PCI, New Delhi as per given schedule for the approval of programs.	B.Pharm. approved upto 2023-24 M.Pharm approved upto 2022-23
	AICTE Approval	To submit EoA as per given schedule, to AICTE New Delhi.	Approved for 2022-23
	NIRF Ranki <mark>n</mark> g	To participate in NIRF Ranking as per given schedule.	Participated.
	ARIIA Ranking	To participate in ARIIA Ranking as per given schedule	Participated.
	Performance appraisal	To perform faculty performance appraisal process every year	Regularly conducted
Curricular	Faculty Appointments	To get the teaching posts sanctioned, get the advertisement approved by the university. Call for applications by advertisement, appoint a scrutiny committee and get the applications scrutinised. Submit the scrutiny committee report to the university, get the university Staff Selection Committee. Conduct the interviews as per the schedule of the committee, send the list of selected candidates with documents to the university for approval.	Recent appointments were done in January, 2023.



	Academic and	To apply to the university for	Received A+ grade in AAA
	administrative	Academic and administrative Audits	conducted by P.A.H.
	Audits	as per schedule.	Solapur University, Solapur
	Accreditation	To apply for accreditation	In process
	Additional skill	To inspire and persuade the students	Many students are enrolled
	development of	to register for various useful courses	for SWAYAM, NPTEL and
	students	in SWAYAM, MOOC, NPTEL and	Infosys Springboard
	-0	Infosys springboard activities.	
Quality	Conduct of periodic	To conduct various audits like Energy	conducted
Assurance	audits	audit, Green audit, etc. periodically.	
	To implement	To develop, implement and amend	Done
	various Institutional	various institutional policies and	
	policies and SOPs.	standard operating procedures	-5
Infrastructu	To attract funding	Application for various schemes	-Applied for Seed Money
re	through various		for Research every year,
developmen	government and		-Applied for for the
t	non-government		Breakthrough research
	agencies.		scheme
			- Received workshop grant
			from university for 2
			workshops and 1
			international conference
	To Utilize existing	Purchase of major laboratory	Partly utilized
	grants for the	equipments through research and	Instruments, chemicals and
	infrastructure	developmental grants	books are purchased from
	augmentation	developmental grants	
		To gultivate medicinal plants in note	grants
	To add more plant to the Medicinal	To cultivate medicinal plants in pots	Completed
		also for protection from the hot sunny	
	plant garden	environment of Solapur.	land a santad
	To implement e-	To purchase barcoding facility and	Implemented.
	governance in	SOUL software to initiate e-	college o
	Library services.	governance in Library management;	L.S. M.S.
	and develop it as a	Easing out learning by reducing the	* Solaput *
	Learning Resource	time for resource search.	
	Centre.		
	Drosophila fly lab	To continue development of	In process
	establishment as an	Drosophila fly lab project	
	alternative to animal		

	experiments		
Training and Placement	Industrial visits	To plan for industrial visits for providing industrial exposure to the students	Regularly arranged
	Placement drives	To strengthen TPO activities to conduct campus drives	Regularly organized
	Skill development	To conduct various soft skill development courses	Regularly arranged
Research & Innovation	Research activities	To strengthen research activities by organizing research and innovation programs	Institution Innovation Council established which obtained 1 star rating in 2022. Impact lecture series and IPR awareness programs were organized by IIC
		To apply for various research grants	 In 2020, Mr. B.N. Chandakawathe and in 2021, Dr. V.S. Tegeli and Mr. SM. Ghurghure have received research grants under Seed Money for Research from P.A.H. Solapur University, Solapur. The total grant under this scheme is Rs. 2,40,000/- Dr. Y.S. Thorat and Dr. S T Kumbhar received institutional development grant under MODROB (ASP) scheme from All India Council for Technical Education, New Delhi of Rs. 10,80,000/- Applied for Seed Money for Research every year, Applied for Breakthrough

			research scheme
		To motivate students and faculty to present research in AVISHKAR and other conferences.	Regularly done in an organised way. 4 students also won incubation grants of Rs. 1
		To motivate and facilitate faculty to complete their doctoral studies	lac each. 3 faculty have submitted their Thesis for the award
	Research	To motivate faculty and students to	of Ph. D degree.
	publications	publish their research work in peer reviewed journals preferably indexed in Scopus/ UGC CARE list	In process
	Patent	To strengthen activities to facilitate the faculty and students to file patents	IIC received 1 star rating 3 patents applied
	Collaborations	To sign up MoU with Industries, government agencies and other academic institutes.	MoU signed with NRCP, SUS and Soham Ayurveda Rasashala, Solapur, Pandit Deen Dayal Upadhyay Dental college, Kegaon Solapur.
Student Welfare Activities	Mrityunjay Club	To estimate hemoglobin in girls regularly and counsel them to improve Hb	Regularly c <mark>o</mark> nducted
		To conduct health awareness programs for promoting women hygiene	Regularly conducted
	Stress relief	To conduct various stress relief programs including Happiness program by Art of Living Foundation	Art of Living program Conducted in 2021 Course on Yoga in 2021

