KRISHNA TEJA PHARMACY COLLEGE

Pharmacy

Part A : Institutional Information

1 Name and Address of the Institution

KRISHNA TEJA PHARMACY COLLEGE,
Chadalawada Nagar, Renigunta Rd, Andhra Pradesh 517506

2 Name and Address of Affiliating University

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANATAPUR

3 Year of establishment of the Institution:

2006

4 Type of the Institution:

○ University	◉ Affiliated
○ Deemed University	○ Any other(Please Specify)
○ Autonomous	

5 Ownership Status:

○ Central Government	☑ Trust
○ State Government	☐ Society
○ Grant In Aided	☐ Section 25 Company
○ Self financing	☐ Any Other(Please Specify)

6 Other Academic Institutions of the Trust/Society/etc., if any

Name of Institutions	Year of Establishment	Programs of Study	Location
CKS Theja Institute of Dental Sciences and Research	1999	BDS, MDS, PhD	Chadalawada Nagar, Renigunta Road, Tirupati, A.P
Krishna Teja Public School	2000	Class I to Class 5	Chadalawada Nagar, Renigunta Road, Tirupati, A.P
Krishna Teja Degree and PG College	2003	BBA, B.Com, BHMCT, B.Sc, M.Sc	Chadalawada Nagar, Renigunta Road, Tirupati, A.P
Krishna Teja Junior College	2003	MPC, BiPC, CEC, HEC	Chadalawada Nagar, Renigunta Road, Tirupati, A.P
Chadalawada Ramanamma Engineering College (Autonomous)	2004	B.Tech, M.Tech, BBA, MBA, MCA	Chadalawada Nagar, Renigunta Road, Tirupati, A.P
CVS Krishna Teja College of Education	2007	B.Ed	Chadalawada Nagar, Renigunta Road, Tirupati, A.P
Chadalawada Aruna School of Architecture	2025	B.Arch	Chadalawada Nagar, Renigunta Road, Tirupati, A.P

7 Details of all the programs being offered by the Institution under consideration:

Name of Program	Program Applied level	Start of year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation status	From	To	Program for consideration	Program for Duration
Pharmacy	UG	2006	2006	60	Yes	110	Applying first time	--	--	Yes	4
Pharm D	PG	2013	2013	30	Yes	33	Eligible but not applied	--	--	No	6
Pharm.D (Postbaccalaureate)	PG	2015	2015	10	Yes	11	Eligible but not applied	--	--	No	3
Pharmaceutical Analysis	PG	2011	2011	18	Yes	17	Eligible but not applied	--	--	No	2
Pharmaceutical Analysis & Quality Assurance	PG	2012	2012	18	Yes	17	Eligible but not applied	--	--	No	2
Pharmaceutics	PG	2010	2010	18	Yes	17	Eligible but not applied	--	--	No	2
Pharmaceutics (Drug Regulatory Affiars)	PG	2012	2012	18	Yes	17	Eligible but not applied	--	--	No	2
Pharmacology	PG	2010	2010	18	Yes	17	Eligible but not applied	--	--	No	2

8 Programs to be considered for Accreditation vide this application:

S No	Level	Discipline	Program
1	Under Graduate	Pharmacy	Pharmacy

9 Total number of employees

A. Regular* Employees (Faculty and Staff):

Items	2025-26		2024-25		2023-24	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Pharmacy (Male)	17	17	20	20	19	19
Faculty in Pharmacy (Female)	31	31	28	28	28	28
Faculty in Science & Humanities (Male)	0	0	0	0	0	0
Faculty in Science & Humanities (Female)	0	0	0	0	0	0
Non-teaching staff (Male)	14	14	11	11	11	11
Non-teaching staff (Female)	9	9	10	10	10	10

B. Contractual* Employees (Faculty and Staff):

Items	2025-26		2024-25		2023-24	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Pharmacy (Male)	0	0	0	0	0	0
Faculty in Pharmacy (Female)	0	0	0	0	0	0
Faculty in Science & Humanities (Male)	0	0	0	0	0	0
Faculty in Science & Humanities (Female)	0	0	0	0	0	0
Non-teaching staff (Male)	0	0	0	0	0	0
Non-teaching staff (Female)	0	0	0	0	0	0

10 Total number of Pharmacy students:

UG	☑ Shift1	☐ Shift2
PG	☑ Shift1	☐ Shift2
Diploma	☐ Shift1	☐ Shift2

UG Shift-1

Total number of Pharmacy students	**2025-26**	**2024-25**	**2023-24**
Total No. of Boys	97	110	128
Total No. of Girls	278	273	288
Total	**375**	**383**	**416**

PG Shift-1

Total number of Pharmacy students	**2025-26**	**2024-25**	**2023-24**
Total No. of Boys	122	124	102
Total No. of Girls	229	207	197
Total	**351**	**331**	**299**

11 Vision of the Institution:

To provide quality pharmacy education and develop competent pharmacists to serve the healthcare needs of society.

12 Mission of the Institution:

M1: To provide basic and applied knowledge in pharmaceutical sciences through effective teaching-learning practices.

M2: To develop technical and professional skills required for pharmaceutical industry, hospital pharmacy and community pharmacy.

M3: To inculcate professional ethics, knowledge of pharmacy laws, communication skills, teamwork and responsibility among students.

M4: To encourage higher education, entrepreneurship, lifelong learning and service to society through pharmacy profession.

13 Contact Information of the Head of the Institution and NBA coordinator, if designated:

Head of the Institution	
Name	Dr. V. Jaya Sankar Reddy
Designation	Principal
Mobile No.	9959348676
Email ID	principal.af@jntua.ac.in

NBA Coordinator, If Designated

Name	Dr. K. Ramesh Reddy
Designation	Vice Principal
Mobile No.	9703206695
Email ID	dr.rameshreddyk@gmail.com

PART B: Criteria Summary

Critera No.	Criteria	Total Marks	Institute Marks
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	50	50.00
2	PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES	150	150.00
3	COURSE OUTCOMES (COS) AND PROGRAM OUTCOMES (POS)	100	100.00
4	STUDENTS' PERFORMANCE	180	136.76
5	FACULTY INFORMATION AND CONTRIBUTIONS	175	140.00
6	FACILITIES	120	120.00
7	CONTINUOUS IMPROVEMENT	75	71.86
8	STUDENT SUPPORT SYSTEMS	50	50.00
9	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	100	100.00
	Total	**1000**	**919**

Part B

1 VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (50)

Total Marks 50.00

1.1 State the mission & vission (5)

Total Marks 5.00

Institute Marks : 5.00

Vision of the institute	To provide quality pharmacy education and develop competent pharmacists to serve the healthcare needs of society.
Mission of the institute	**M1:** To provide basic and applied knowledge in pharmaceutical sciences through effective teaching-learning practices. **M2:** To develop technical and professional skills required for pharmaceutical industry, hospital pharmacy and community pharmacy. **M3:** To inculcate professional ethics, knowledge of pharmacy laws, communication skills, teamwork and responsibility among students. **M4:** To encourage higher education, entrepreneurship, lifelong learning and service to society through pharmacy profession.
Vision of the Department	To provide quality pharmacy education and develop competent pharmacists to serve the healthcare needs of society.

Mission of the Department

Mission No.	Mission Statements
M1	To provide basic and applied knowledge in pharmaceutical sciences through effective teaching-learning practices.
M2	To develop technical and professional skills required for pharmaceutical industry, hospital pharmacy and community pharmacy.
M3	To inculcate professional ethics, knowledge of pharmacy laws, communication skills, teamwork and responsibility among students.
M4	To encourage higher education, entrepreneurship, lifelong learning and service to society through pharmacy profession.

1.2 State the Program Educational Objectives (PEOs) (5)

Total Marks 5.00

Institute Marks : 5.00

PEO No.	Program Educational Objectives Statements
PEO1	Apply knowledge of pharmaceutics, pharmaceutical chemistry, pharmacology and pharmacognosy in professional practice.
PEO2	Work in pharmaceutical manufacturing, quality control, quality assurance and pharmaceutical sales.
PEO3	Perform basic responsibilities in hospital pharmacy and community pharmacy, including dispensing of medicines and patient counselling.
PEO4	Follow professional ethics, pharmacy laws, communication skills and teamwork in their workplace.
PEO5	Pursue higher studies, entrepreneurship and lifelong learning for career development.

1.3 Indicate where the Vision, Mission and PEOs are published and disseminated among stakeholders (15)

Total Marks 15.00

Institute Marks : 15.00

The Vision and Mission of Krishna Teja College of Pharmacy and the Program Educational Objectives of the B.Pharm program are published and disseminated through different modes to create awareness among internal and external stakeholders.

A. Places where Vision, Mission and PEOs are published/displayed

The Vision, Mission and PEOs are displayed or published at the following places:

1. College website
2. Principal's office
3. Department notice board
4. Classrooms
5. Laboratories
6. Library
7. Faculty room
8. Seminar hall
9. Student handbook/prospectus
10. Course files and laboratory manuals
11. Induction program presentations
12. Parent-teacher meeting records
13. Alumni meeting records
14. Faculty meeting minutes

B. Dissemination among internal stakeholders

Management and Governing Body

The Vision, Mission and PEOs are presented and discussed in Governing Body meetings, academic review meetings and institutional planning meetings. Suggestions from management and governing body members are considered for improvement and implementation.

Principal and Head of Department

The Principal and Head of Department communicate the Vision, Mission and PEOs to faculty members, supporting staff and students through academic meetings, departmental meetings, orientation programs and review meetings.

Faculty Members

Faculty members are made aware of the Vision, Mission and PEOs during departmental meetings, course allocation meetings, NBA/SAR preparation meetings and academic planning meetings. Faculty members communicate the PEOs to students during course introduction, mentoring sessions and academic counselling.

Supporting Staff

Supporting staff are informed about the Vision and Mission of the institute during staff meetings and general orientation. Their role in maintaining laboratories, equipment, records and student support services is explained in relation to the institutional mission.

Students

Students are informed about the Vision, Mission and PEOs during induction programs, orientation sessions, class teacher meetings, mentoring sessions and regular classroom interactions. The statements are displayed in classrooms, laboratories, library and notice boards for continuous awareness.

C. Dissemination among external stakeholders

Parents

Parents are informed about the Vision, Mission and PEOs during admission counselling, parent-teacher meetings and parents feedback collection.

Alumni

Alumni are informed about the Vision, Mission and PEOs during alumni meetings and alumni feedback collection. Their suggestions are considered during review of PEOs.

Employers

Employers are informed about the PEOs through training and placement activities, employer feedback forms, campus recruitment interaction and industrial interaction.

Industry and Pharmacy Professionals

Industry representatives and pharmacy professionals are made aware of the PEOs during industrial visits, guest lectures, professional interaction programs and feedback collection.

Hospitals and Community Pharmacists

Hospital pharmacists and community pharmacists are informed about the PEOs during hospital visits, pharmacy practice activities, community pharmacy exposure and healthcare awareness programs.

D. Process to ensure awareness

The institute follows the below process to ensure awareness of Vision, Mission and PEOs:

1. Vision, Mission and PEOs are prepared through stakeholder consultation.
2. The statements are discussed and approved in academic and administrative meetings.
3. The approved statements are displayed at prominent locations in the college.
4. The statements are published on the college website and included in academic documents.
5. Students are informed during induction, mentoring and classroom interactions.
6. Faculty and staff are informed during meetings and academic planning activities.
7. Feedback is collected from students, faculty, parents, alumni and employers.
8. The collected feedback is reviewed for possible improvement.
9. Necessary changes are made after discussion and approval by the competent body



1.4 State the process for defining the Vision & Mission and PEOs of the program (10) Total Marks 10.00

Institute Marks : 10.00

The Vision, Mission and PEOs of the B.Pharm program are defined through a systematic process involving internal and external stakeholders.

Process for defining Vision, Mission and PEOs

Step 1: Constitution of Program Assessment Committee (PAC)

A program assessment committee (PAC) is formed with the Principal, Head of Department, senior faculty members, academic coordinator and NBA/SAR coordinator. The committee is responsible for preparing, reviewing and updating the Vision, Mission and PEOs.

Step 2: Collection of Stakeholder Inputs

Inputs are collected from the following stakeholders:

- Management
- Governing Body members
- Principal
- Head of Department
- Faculty members
- Students
- Parents
- Alumni
- Employers
- Industry representatives
- Hospital pharmacists
- Community pharmacists

Step 3: Review of Institutional Objectives

The committee reviews the objectives of the institution, available infrastructure, faculty strength, student profile, pharmacy curriculum, employment opportunities, healthcare needs and expectations of stakeholders.

Step 4: Preparation of Draft Statements

Based on the collected inputs and institutional objectives, the committee prepares the draft Vision, Mission and PEO statements. The statements are kept simple, clear, realistic and suitable for the B.Pharm program.

Step 5: Discussion and Refinement

The draft statements are discussed in departmental meetings, academic committee meetings and stakeholder meetings. Suggestions are collected and suitable changes are made.

Step 6: Approval of Statements

The revised Vision, Mission and PEOs are placed before the College Academic Committee/Governing Body for approval.

Step 7: Notification and Publication

After approval, the Vision, Mission and PEOs are notified to all stakeholders. They are displayed on notice boards, classrooms, laboratories, library, website, student handbook, course files and other academic documents.

Step 8: Implementation

The approved Vision, Mission and PEOs are implemented through teaching-learning activities, laboratory training, mentoring, industrial visits, hospital/community pharmacy exposure, guest lectures, placement training and student support activities.

Step 9: Periodic Review

The Vision, Mission and PEOs are reviewed periodically based on feedback from students, faculty, parents, alumni, employers and other stakeholders. Required modifications are made after discussion and approval.



1.5 Establish consistency of PEOs with Mission of the Institute (15) Total Marks 15.00

Institute Marks : 15.00

The Program Educational Objectives (PEOs) have been formulated in alignment with the mission of the institute through consultations with faculty members, industry experts, alumni, employers, and other stakeholders. The PEOs collectively emphasize quality education, professional competency, research and innovation, ethical practice, leadership, lifelong learning, and societal contribution. The consistency matrix demonstrates that each PEO contributes to achieving one or more mission statements of the institute, thereby ensuring that graduates are well prepared to fulfill the institutes vision and mission.

Justification and Rationale of Mapping

PEO1 with Mission

PEO1 focuses on applying knowledge of core pharmacy subjects such as pharmaceutics, pharmaceutical chemistry, pharmacology and pharmacognosy. Therefore, it has a substantial correlation with M1, which focuses on providing basic and applied knowledge in pharmaceutical sciences. It has moderate correlation with M2, as subject knowledge supports technical and professional skills. It has slight correlation with M3 and M4, as professional practice also requires ethical awareness and continuous learning.

PEO2 with Mission

PEO2 focuses on employment in pharmaceutical manufacturing, quality control, quality assurance and pharmaceutical sales. It has substantial correlation with M2, as these areas require technical and professional skills. It has moderate correlation with M1, because basic pharmaceutical knowledge is required for industry and sales-related work. It has slight correlation with M3, as workplace discipline, ethics and communication are required. It also has slight correlation with M4, as career growth may support lifelong learning.

PEO3 with Mission

PEO3 focuses on hospital pharmacy and community pharmacy responsibilities such as dispensing of medicines and patient counselling. It has substantial correlation with M2, as these activities require professional pharmacy skills. It also has substantial correlation with M4, as hospital and community pharmacy directly contribute to healthcare service and society. It has moderate correlation with M1, because knowledge of medicines is required for dispensing and counselling. It has moderate correlation with M3, as ethics, communication and responsibility are important in patient-related services.

PEO4 with Mission

PEO4 focuses on professional ethics, pharmacy laws, communication skills and teamwork. It has substantial correlation with M3, which directly addresses ethics, laws, communication and teamwork. It has moderate correlation with M2, as professional skills are needed in the workplace. It has moderate correlation with M4, because responsible professional behaviour supports service to society and career development. It has slight correlation with M1, as basic knowledge supports professional conduct.

PEO5 with Mission

PEO5 focuses on higher studies, entrepreneurship and lifelong learning for career development. It has substantial correlation with M4, which directly supports higher education, entrepreneurship and lifelong learning. It has moderate correlation with M1, because further education and career development require basic and applied pharmaceutical knowledge. It has slight correlation with M2 and M3, as professional skills and ethical attitude support career growth.

PEO Statements	M1	M2	M3	M4
Apply knowledge of pharmaceutics, pharmaceutical chemistry, pharmacology and pharmacognosy in professional practice.	3	2	1	1
Work in pharmaceutical manufacturing, quality control, quality assurance and pharmaceutical sales.	2	3	1	1
Perform basic responsibilities in hospital pharmacy and community pharmacy, including dispensing of medicines and patient counselling.	2	3	2	3
Follow professional ethics, pharmacy laws, communication skills and teamwork in their workplace.	1	2	3	2
Pursue higher studies, entrepreneurship and lifelong learning for career development.	2	1	1	3

2 PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (150)

Total Marks 150.00

2.1 Program Curriculum (40)

Total Marks 40.00

2.1.1 Delivery of Syllabus Contents and compliance of the curriculum for attainment of POs (10)

Institute Marks : 10.00

Our College follows the B.Pharm. curriculum prescribed by Jawaharlal Nehru Technological University Anantapur (JNTUA) in accordance with the applicable Pharmacy Council of India (PCI) regulations. The R23 curriculum is applicable to students admitted from the Academic Year 2023–24 onwards, while the R19 curriculum was followed for the preceding batches. The institution follows the University-prescribed curriculum systematically and evaluates its contribution towards attainment of the defined Programme Outcomes (POs) through CO–PO mapping, assessment and attainment analysis. The curriculum provides adequate academic coverage of the POs through theory, practical, skill-oriented, internship and project components. Identified areas requiring additional or contemporary exposure are addressed through structured gap-bridging activities involving academicians, researchers, industry professionals and subject experts.

The institution ensures effective delivery of the prescribed syllabus through systematic academic planning, course-wise teaching plans, timely completion of syllabus, practical and experiential learning activities, continuous assessment and review of student performance. The curriculum is delivered with emphasis on knowledge acquisition, application of knowledge, problem solving, professional skills, communication, ethical practice, research orientation and lifelong learning.

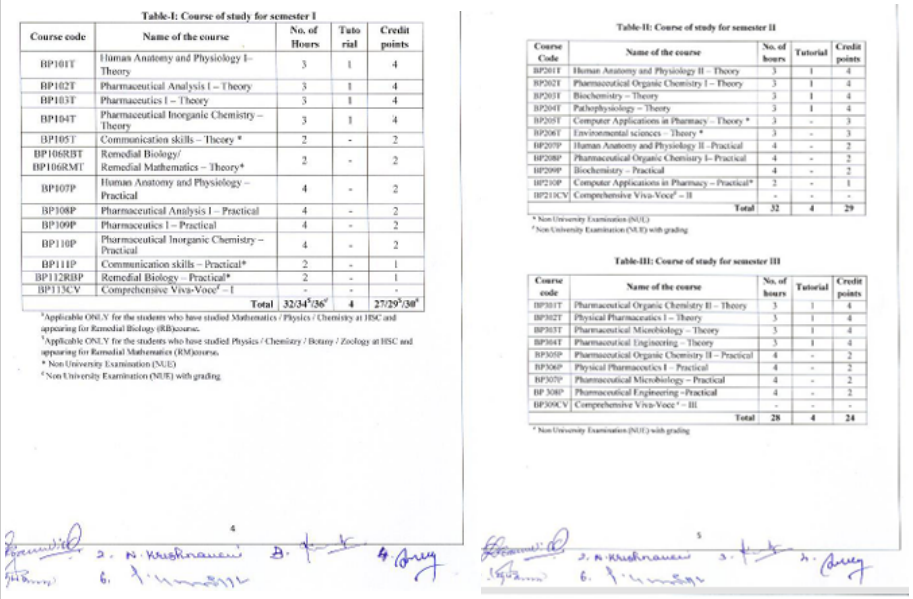


Table-I: Course of study for semester I

Course code	Name of the course	No. of Hours	Tutorial	Credit points
BP101T	Human Anatomy and Physiology I– Theory	3	1	4
BP102T	Pharmaceutical Analysis I – Theory	3	1	4
BP103T	Pharmaceutics I – Theory	3	1	4
BP104T	Pharmaceutical Inorganic Chemistry – Theory	3	1	4
BP105T	Communication skills – Theory *	2	-	2
BP106RBT / BP106RMT	Remedial Biology/ Remedial Mathematics – Theory*	2	-	2
BP107P	Human Anatomy and Physiology – Practical	4	-	2
BP108P	Pharmaceutical Analysis I – Practical	4	-	2
BP109P	Pharmaceutics I – Practical	4	-	2
BP110P	Pharmaceutical Inorganic Chemistry – Practical	4	-	2
BP111P	Communication skills – Practical*	2	-	1
BP112RBP	Remedial Biology – Practical*	2	-	1
BP113CV	Comprehensive Viva-Voce[£] – I	-	-	-
	Total	32/34[$]/36[£]	4	27/29[$]/30[£]

[$]Applicable ONLY for the students who have studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology (RB)course.
[$]Applicable ONLY for the students who have studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics (RM)course.
* Non University Examination (NUE)
£ Non University Examination (NUE) with grading

Table-II: Course of study for semester II

Course Code	Name of the course	No. of hours	Tutorial	Credit points
BP201T	Human Anatomy and Physiology II – Theory	3	1	4
BP202T	Pharmaceutical Organic Chemistry I – Theory	3	1	4
BP203T	Biochemistry – Theory	3	1	4
BP204T	Pathophysiology – Theory	3	1	4
BP205T	Computer Applications in Pharmacy – Theory *	3	-	3
BP206T	Environmental sciences – Theory *	3	-	3
BP207P	Human Anatomy and Physiology II –Practical	4	-	2
BP208P	Pharmaceutical Organic Chemistry I– Practical	4	-	2
BP209P	Biochemistry – Practical	4	-	2
BP210P	Computer Applications in Pharmacy – Practical*	2	-	1
BP211CV	Comprehensive Viva-Voce[£] – II	-	-	-
	Total	32	4	29

* Non University Examination (NUE)
£ Non University Examination (NUE) with grading

Table-III: Course of study for semester III

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP301T	Pharmaceutical Organic Chemistry II – Theory	3	1	4
BP302T	Physical Pharmaceutics I – Theory	3	1	4
BP303T	Pharmaceutical Microbiology – Theory	3	1	4
BP304T	Pharmaceutical Engineering – Theory	3	1	4
BP305P	Pharmaceutical Organic Chemistry II – Practical	4	-	2
BP306P	Physical Pharmaceutics I – Practical	4	-	2
BP307P	Pharmaceutical Microbiology – Practical	4	-	2
BP 308P	Pharmaceutical Engineering –Practical	4	-	2
BP309CV	Comprehensive Viva-Voce[£] – III.	-	-	-
	Total	28	4	24

£ Non University Examination (NUE) with grading

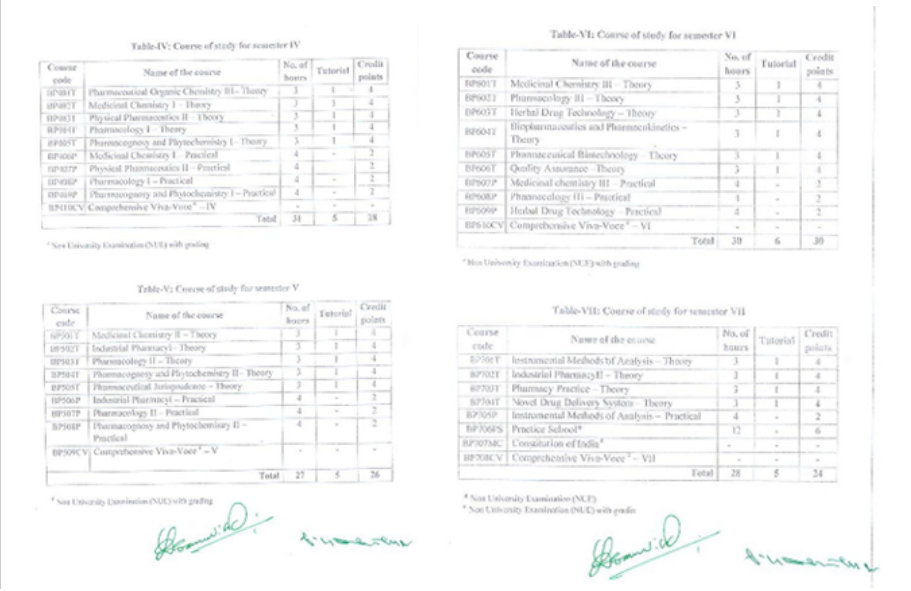


Table-IV: Course of study for semester IV

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP401T	Pharmaceutical Organic Chemistry III– Theory	3	1	4
BP402T	Medicinal Chemistry I – Theory	3	1	4
BP403T	Physical Pharmaceutics II – Theory	3	1	4
BP404T	Pharmacology I – Theory	3	1	4
BP405T	Pharmacognosy and Phytochemistry I – Theory	3	1	4
BP406P	Medicinal Chemistry I – Practical	4	-	2
BP407P	Physical Pharmaceutics II – Practical	4	-	2
BP408P	Pharmacology I – Practical	4	-	2
BP409P	Pharmacognosy and Phytochemistry I – Practical	4	-	2
BP410CV	Comprehensive Viva-Voce[£] – IV	-	-	-
	Total	31	5	28

£ Non University Examination (NUE) with grading

Table-V: Course of study for semester V

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP501T	Medicinal Chemistry II – Theory	3	1	4
BP502T	Industrial Pharmacy I – Theory	3	1	4
BP503T	Pharmacology II – Theory	3	1	4
BP504T	Pharmacognosy and Phytochemistry II – Theory	3	1	4
BP505T	Pharmaceutical Jurisprudence – Theory	3	1	4
BP506P	Industrial Pharmacy I – Practical	4	-	2
BP507P	Pharmacology II – Practical	4	-	2
BP508P	Pharmacognosy and Phytochemistry II – Practical	4	-	2
BP509CV	Comprehensive Viva-Voce[£] – V	-	-	-
	Total	27	5	26

£ Non University Examination (NUE) with grading

Table-VI: Course of study for semester VI

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP601T	Medicinal Chemistry III – Theory	3	1	4
BP602T	Pharmacology II – Theory	3	1	4
BP603T	Herbal Drug Technology – Theory	3	1	4
BP604T	Biopharmaceutics and Pharmacokinetics – Theory	3	1	4
BP605T	Pharmaceutical Biotechnology – Theory	3	1	4
BP606T	Quality Assurance – Theory	3	1	4
BP607P	Medicinal chemistry III – Practical	4	-	2
BP608P	Pharmacology II – Practical	4	-	2
BP609P	Herbal Drug Technology – Practical	4	-	2
BP610CV	Comprehensive Viva-Voce[£] – VI	-	-	-
	Total	30	6	30

£ Non University Examination (NUE) with grading

Table-VII: Course of study for semester VII

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP701T	Instrumental Methods of Analysis – Theory	3	1	4
BP702T	Industrial Pharmacy II – Theory	3	1	4
BP703T	Pharmacy Practice – Theory	3	1	4
BP704T	Novel Drug Delivery System – Theory	3	1	4
BP705P	Instrumental Methods of Analysis – Practical	4	-	2
BP706PS	Practice School*	12	-	6
BP707MC	Constitution of India*	-	-	-
BP708CV	Comprehensive Viva-Voce[£] – VII	-	-	-
	Total	28	5	24

* Non University Examination (NUE)
£ Non University Examination (NUE) with grading

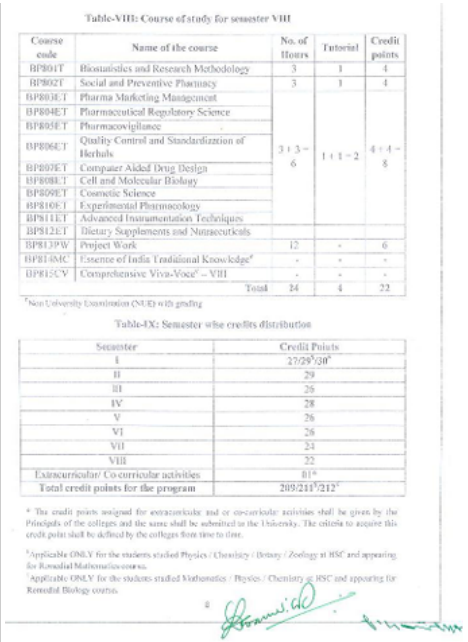


Table-VIII: Course of study for semester VIII

Course code	Name of the course	No. of Hours	Tutorial	Credit points
BP801T	Biostatistics and Research Methodology	3	1	4
BP802T	Social and Preventive Pharmacy	3	1	4
BP803ET	Pharma Marketing Management	3 + 3 – 6	1 + 1 = 2	4 + 4 = 8
BP804ET	Pharmaceutical Regulatory Science			
BP805ET	Pharmacovigilance			
BP806ET	Quality Control and Standardization of Herbals			
BP807ET	Computer Aided Drug Design			
BP808ET	Cell and Molecular Biology			
BP809ET	Cosmetic Science			
BP810ET	Experimental Pharmacology			
BP811ET	Advanced Instrumentation Techniques			
BP812ET	Dietary Supplements and Nutraceuticals			
BP813PW	Project Work	12	-	6
BP814MC	Essence of India Traditional Knowledge[#]	-	-	-
BP815CV	Comprehensive Viva-Voce[#] – VIII	-	-	-
	Total	24	4	22

[#]Non University Examination (NUE) with grading

Table-IX: Semester wise credits distribution

Semester	Credit Points
I	27/29[$]/30[£]
II	29
III	25
IV	28
V	26
VI	26
VII	24
VIII	22
Extracurricular/ Co-curricular activities	01*
Total credit points for the program	209/211[$]/212[£]

* The credit points assigned for extracurricular and or co-curricular activities shall be given by the Principals of the colleges and the same shall be submitted to the University. The criteria to acquire this credit point shall be defined by the colleges from time to time.

[$]Applicable ONLY for the students studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics courses.

[£]Applicable ONLY for the students studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology courses.

Process Used to Identify the Extent of Compliance of University Curriculum for Attainment of POs

The extent to which the university-prescribed curriculum supports attainment of the defined POs is identified through a systematic curriculum-compliance and PO-coverage process.

Step 1: Review of the prescribed curriculum

The Head of the Institution, Programme Coordinator and faculty members review the applicable JNTUA/PCI curriculum, including course objectives, course outcomes, theory and practical components, skill-oriented courses, electives, internships and project work. This establishes the scope of learning prescribed by the University.

Step 2: Identification and review of Course Outcomes

Faculty members review the Course Outcomes (COs) of individual courses and ensure that the planned teaching-learning activities enable students to acquire the knowledge and skills specified by the respective COs.

Step 3: CO–PO mapping

The COs of each course are mapped with the defined POs based on the knowledge, skills, professional competencies and attributes expected to be developed through the course. The mapping provides evidence of the contribution made by individual courses towards PO attainment.

Step 4: PO-wise curriculum coverage analysis

The CO–PO mapping is consolidated to determine the extent to which the prescribed curriculum addresses each PO. Theory courses primarily contribute to disciplinary knowledge and analytical abilities, while practical courses, skill-oriented courses, internships and project work provide opportunities for application, experimentation, problem solving, professional practice and research.

Step 5: Verification through assessment and student performance

PO coverage is further examined through continuous internal assessment, university examinations, practical examinations, assignments, seminars, presentations, practical records, project work, internships and other academic activities. Student performance and attainment levels are reviewed to identify areas where the prescribed curriculum provides adequate support and areas requiring additional institutional interventions.

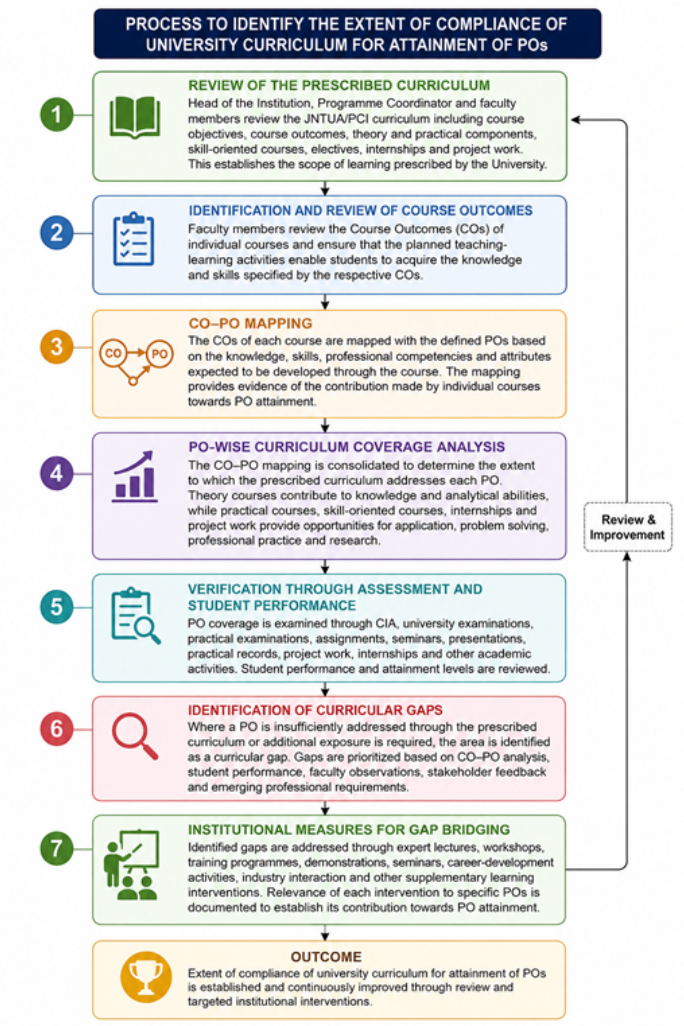
Step 6: Identification of curricular gaps

Where a PO is insufficiently addressed through the prescribed curriculum or where additional exposure is required to meet emerging professional expectations, the area is identified as a curricular gap. The gaps are prioritized based on CO–PO analysis, student performance, faculty observations, feedback from stakeholders and emerging requirements of the pharmacy profession.

Step 7: Institutional measures for gap bridging

Identified gaps are addressed through expert lectures, workshops, training programmes, demonstrations, seminars, career-development activities, industry interaction and other supplementary learning interventions. The

relevance of each intervention to specific POs is documented to establish its contribution towards PO attainment.



BP 201T. HUMAN ANATOMY AND PHYSIOLOGY-II (Theory)

45 Hours

Scope: This subject is designed to impart fundamental knowledge on the structure and functions of the various systems of the human body. It also helps in understanding both homeostatic mechanisms. The subject provides the basic knowledge required to understand the various disciplines of pharmacy.

Objectives: Upon completion of this course the student should be able to:

1. Explain the gross morphology, structure and functions of various organs of the human body.
2. Describe the various homeostatic mechanisms and their imbalances.
3. Identify the various tissues and organs of different systems of human body.
4. Perform the hematological tests like blood cell counts, haemoglobin estimation, bleeding/clotting time etc and also record blood pressure, heart rate, pulse and respiratory volume.
5. Appreciate coordinated working pattern of different organs of each system
6. Appreciate the interlinked mechanisms in the maintenance of normal functioning (homeostasis) of human body.

Course Content:

Unit I **10 hours**

- **Nervous system**

Organization of nervous system, neuron, neuroglia, classification and properties of nerve fibre, electrophysiology, action potential, nerve impulse, receptors, synapse, neurotransmitters.

Central nervous system: Meninges, ventricles of brain and cerebrospinal fluid.structure and functions of brain (cerebrum, brain stem, cerebellum), spinal cord (gross structure, functions of afferent and efferent nerve tracts,reflex activity)

Unit II **06 hours**

- **Digestive system**

Anatomy of GI Tract with special reference to anatomy and functions of stomach, (Acid production in the stomach, regulation of acid production through parasympathetic nervous system, pepsin role in protein digestion) small intestine and large intestine, anatomy and functions of salivary glands, pancreas and liver, movements of GIT, digestion and absorption of nutrients and disorders of GIT.

- **Energetics**

Formation and role of ATP, Creatinine Phosphate and BMR.

Unit III

- **Respiratory system** **10 hours**

Anatomy of respiratory system with special reference to anatomy of lungs, mechanism of respiration, regulation of respiration

Lung Volumes and capacities transport of respiratory gases, artificial respiration, and resuscitation methods.

- **Urinary system**

Anatomy of urinary tract with special reference to anatomy of kidney and nephrons, functions of kidney and urinary tract, physiology of urine formation, micturition reflex and role of kidneys in acid base balance, role of RAS in kidney and disorders of kidney.

Unit IV **10 hours**

- **Endocrine system**

Classification of hormones, mechanism of hormone action, structure and functions of pituitary gland, thyroid gland, parathyroid gland, adrenal
gland, pancreas, pineal gland, thymus and their disorders.

Unit V **09 hours**

- **Reproductive system**

Anatomy of male and female reproductive system, Functions of male and female reproductive system, sex hormones, physiology of menstruation, fertilization, spermatogenesis, oogenesis, pregnancy and parturition

- **Introduction to genetics**

Chromonomes, genes and DNA, protein synthesis, genetic pattern of inheritance

BP 207 P. HUMAN ANATOMY AND PHYSIOLOGY (Practical)

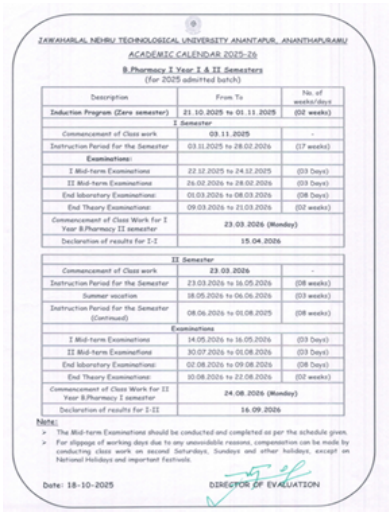
4 Hours/week

Practical physiology is complimentary to the theoretical discussions in physiology. Practicals allow the verification of physiological processes discussed in theory classes through experiments on living tissue, intact animals or normal human beings. This is helpful for developing an insight on the subject.

1. To study the integumentary and special senses using specimen, models, etc.,
2. To study the nervous system using specimen, models, etc.,
3. To study the endocrine system using specimen, models, etc
4. To demonstrate the general neurological examination
5. To demonstrate the function of olfactory nerve
6. To examine the different types of taste.
7. To demonstrate the visual acuity
8. To demonstrate the reflex activity
9. Recording of body temperature
10. To demonstrate positive and negative feedback mechanism.
11. Determination of tidal volume and vital capacity.
12. Study of digestive, respiratory, cardiovascular systems, urinary and reproductive systems with the help of models, charts and specimens.
13. Recording of basal mass index .
14. Study of family planning devices and pregnancy diagnosis test.
15. Demonstration of total blood count by cell analyser
16. Permanent slides of vital organs and gonads.

Recommended Books (Latest Editions)

1. Essentials of Medical Physiology by K. Sembulingam and P. Sembulingam. Jaypee brothers medical publishers, New Delhi.
2. Anatomy and Physiology in Health and Illness by Kathleen J.W. Wilson, Churchill Livingstone, New York
3. Physiological basis of Medical Practice-Best and Tailor. Williams & Wilkins Co,Riverview,MI USA



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTHAPURAMU

ACADEMIC CALENDAR 2025-26

B.Pharmacy I Year I & II Semesters
(for 2025 admitted batch)

Description	From To	No. of weeks/days
Induction Program (Zero semester)	**21.10.2025 to 01.11.2025**	**(02 weeks)**
I Semester		
Commencement of Class work	03.11.2025	-
Instruction Period for the Semester	03.11.2025 to 28.02.2026	(17 weeks)
Examinations:		
I Mid-term Examinations	22.12.2025 to 24.12.2025	(03 Days)
II Mid-term Examinations	26.02.2026 to 28.02.2026	(03 Days)
End laboratory Examinations:	01.03.2026 to 08.03.2026	(08 Days)
End Theory Examinations:	09.03.2026 to 21.03.2026	(02 weeks)
Commencement of Class Work for I Year B.Pharmacy II semester	23.03.2026 (Monday)	
Declaration of results for I-I	15.04.2026	
II Semester		
Commencement of Class work	23.03.2026	-
Instruction Period for the Semester	23.03.2026 to 16.05.2026	(08 weeks)
Summer vacation	18.05.2026 to 06.06.2026	(03 weeks)
Instruction Period for the Semester (Continued)	08.06.2026 to 01.08.2025	(08 weeks)
Examinations		
I Mid-term Examinations	14.05.2026 to 16.05.2026	(03 Days)
II Mid-term Examinations	30.07.2026 to 01.08.2026	(03 Days)
End laboratory Examinations:	02.08.2026 to 09.08.2026	(08 Days)
End Theory Examinations:	10.08.2026 to 22.08.2026	(02 weeks)
Commencement of Class Work for II Year B.Pharmacy I semester	24.08.2026 (Monday)	
Declaration of results for I-II	16.09.2026	

Note:

- The Mid-term Examinations should be conducted and completed as per the schedule given.
- For slippage of working days due to any unavoidable reasons, compensation can be made by conducting class work on second Saturdays, Sundays and other holidays, except on National Holidays and important festivals.

Date: 18-10-2025 DIRECTOR OF EVALUATION

B.PHARMACY I YEAR II SEMESTER

BP201T – Human Anatomy and Physiology-II

Regulation : R19

Course faculty : Dr. Y. Lavanya

Sl. No	Course Outcomes
1.	**C113.1** Explain the structure and physiological functions of the digestive, respiratory, urinary, endocrine, and reproductive systems
2.	**C113.2** Describe the mechanisms involved in maintaining homeostasis and explain the consequences of their imbalance
3.	**C113.3** Identify and differentiate the tissues, organs, and components of various human organ systems
4.	**C113.4** Perform hematological experiments and interpret the results for assessing normal physiological conditions
5.	**C113.5** Analyze the coordinated functioning of different organ systems in maintaining normal body functions and homeostasis

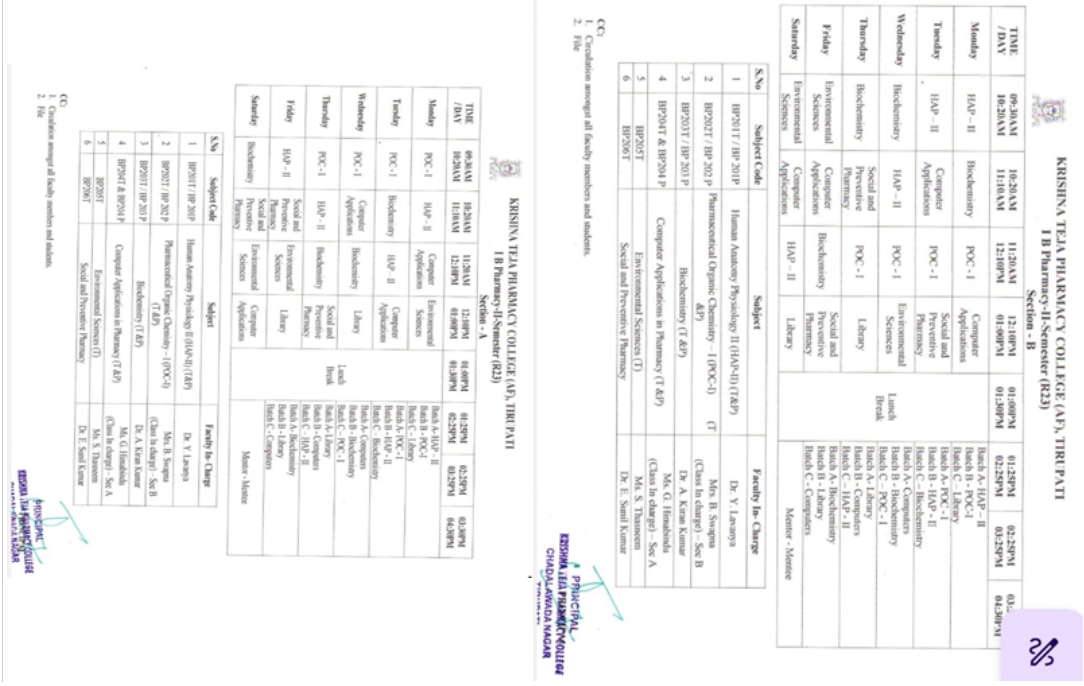
CO–PO Matrix

CO / PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C113.1	3	–	2	1	–	3	–	–	2	1	3
C113.2	3	–	3	2	–	3	1	–	3	1	3
C113.3	3	–	2	2	–	3	–	–	2	–	3
C113.4	3	2	3	3	1	3	1	2	3	1	3
C113.5	3	–	3	2	–	3	1	1	3	1	3
	3	0	3	2	1	3	1	0	3	1	3

Correlation: scale: 3 – Strong correlation | 2 – Moderate correlation | 1 – Low correlation | – – No significant correlation

Mapping Rationale

- **PO1 – Pharmacy Knowledge: Strongly mapped (3) to all COs** because knowledge of human anatomy and physiology is a fundamental component of biomedical and pharmaceutical education.
- **PO2 – Planning Abilities:** Primarily supported by **C113.4**, where hematological experiments require preparation, sequencing of procedures, time management, and systematic execution.
- **PO3 – Problem Analysis:** Strongly addressed by C113.2, C113.4 and C113.5 through analysis of homeostatic mechanisms, interpretation of hematological results, and integration of organ-system functions.
- **PO4 – Modern Tool Usage:** Particularly relevant to C113.4 because hematological experiments require appropriate laboratory instruments and measurement techniques.
- **PO5 – Leadership Skills:** No explicit leadership or team-building competency is stated in the COs. A low contribution is assigned only to C113.4 because practical experiments may involve collaborative laboratory work.
- **PO6 – Professional Identity: Strongly mapped (3)** because understanding normal human physiology and interpreting physiological/hematological findings provides essential preparation for healthcare and pharmacy practice.
- **PO7 – Pharmaceutical Ethics:** Limited contribution through responsible handling of biological samples, accurate interpretation, and ethical laboratory conduct.
- **PO8 – Communication:** C113.4 and C113.5 involve interpretation and communication of experimental/physiological findings, but communication is not the principal competency.
- **PO9 – Pharmacist and Society:** Strongly supported by C113.2, C113.4 and C113.5 because understanding physiological imbalance and assessing normal physiological conditions contributes to patient health and safety.
- **PO10 – Environment and Sustainability:** Only a limited indirect contribution exists through responsible laboratory practices and handling of biological materials.
- **PO11 – Life-long Learning: Strongly mapped (3) to all COs** because understanding physiological mechanisms, interpreting experimental evidence, and integrating biomedical concepts provide a foundation for continued learning in pharmaceutical and healthcare sciences.



KRISHNA TEJA PHARMACY COLLEGE (AP), TIRUPATI
I B Pharmacy-II-Semester (R23)
Section - A

TIME / DAY	09:30AM 10:20AM	10:20AM 11:10AM	11:20AM 12:10PM	12:10PM 01:00PM	01:00PM 01:30PM	01:25PM 02:25PM	02:25PM 03:25PM	03:30PM 04:30PM
Monday	HAP – II	Biochemistry	POC - I	Computer Applications	Lunch Break	Batch A: HAP – II Batch B : POC-I Batch C : Library		
Tuesday	HAP – II	Computer Applications	POC - I	Social and Preventive Pharmacy		Batch A: POC - I Batch B : HAP – II Batch C : Biochemistry		
Wednesday	Biochemistry	HAP – II	POC - I	Environmental Sciences		Batch A: Computers Batch B : Biochemistry Batch C : POC - I		
Thursday	Biochemistry	Social and Preventive Pharmacy	POC - I	Library		Batch A: Library Batch B : Computers Batch C : HAP – II		
Friday	Environmental Sciences	Computer Applications	Biochemistry	Social and Preventive Pharmacy		Batch A: Biochemistry Batch B : Library Batch C : Computers		
Saturday	Environmental Sciences	Computer Applications	HAP – II	Library		Mentor - Mentee		

S.No	Subject Code	Subject	Faculty In- Charge
1	BP201T / BP 201P	Human Anatomy Physiology II (HAP-II) (T&P)	Dr. Y. Lavanya
2	BP202T / BP 202 P	Pharmaceutical Organic Chemistry - I (POC-I) (T&P)	Mrs. B. Swapna (Class In charge) – Sec B
3	BP203T / BP 203 P	Biochemistry (T &P)	Dr. A. Kiran Kumar
4	BP204T & BP204 P	Computer Applications in Pharmacy (T &P)	Ms. G. Himabindu (Class In charge) – Sec A
5	BP205T	Environmental Sciences (T)	Ms. S. Thasneem
6	BP206T	Social and Preventive Pharmacy	Dr. E. Sunil Kumar

CC:
1. Circulation amongst all faculty members and students.
2. File

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KRISHNA TEJA PHARMACY COLLEGE
CHADALAWADA NAGAR

KRISHNA TEJA PHARMACY COLLEGE (AP), TIRUPATI
I B Pharmacy-II-Semester (R23)
Section - B

TIME / DAY	09:30AM 10:20AM	10:20AM 11:10AM	11:20AM 12:10PM	12:10PM 01:00PM	01:00PM 01:30PM	01:25PM 02:25PM	02:25PM 03:25PM	03:30PM 04:30PM
Monday	HAP – II	Biochemistry	POC - I	Computer Applications	Lunch Break	Batch A: HAP – II Batch B : POC-I Batch C : Library		
Tuesday	HAP – II	Computer Applications	POC - I	Social and Preventive Pharmacy		Batch A: POC - I Batch B : HAP – II Batch C : Biochemistry		
Wednesday	Biochemistry	HAP – II	POC - I	Environmental Sciences		Batch A: Computers Batch B : Biochemistry Batch C : POC - I		
Thursday	Biochemistry	Social and Preventive Pharmacy	POC - I	Library		Batch A: Library Batch B : Computers Batch C : HAP – II		
Friday	Environmental Sciences	Computer Applications	Biochemistry	Social and Preventive Pharmacy		Batch A: Biochemistry Batch B : Library Batch C : Computers		
Saturday	Environmental Sciences	Computer Applications	HAP – II	Library		Mentor - Mentee		

S.No	Subject Code	Subject	Faculty In- Charge
1	BP201T / BP 201P	Human Anatomy Physiology II (HAP-II) (T&P)	Dr. Y. Lavanya
2	BP202T / BP 202 P	Pharmaceutical Organic Chemistry - I (POC-I) (T&P)	Mrs. B. Swapna (Class In charge) – Sec B
3	BP203T / BP 203 P	Biochemistry (T &P)	Dr. A. Kiran Kumar
4	BP204T & BP204 P	Computer Applications in Pharmacy (T &P)	Ms. G. Himabindu (Class In charge) – Sec A
5	BP205T	Environmental Sciences (T)	Ms. S. Thasneem
6	BP206T	Social and Preventive Pharmacy	Dr. E. Sunil Kumar

CC:
1. Circulation amongst all faculty members and students.
2. File

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CHADALAWADA NAGAR

KRISHNA TEJA PHARMACY COLLEGE
(Chadalawada Krishnamurthy Teja Charities)
Approved by PCI, New Delhi, Affiliated to JNTUA, Anantapur
Accredited by NAAC, ISO: 9001: 2015 Certified
Recognized by UGC under Section 2 (F) & 12 (B) of UGC Act 1956

LESSON PLAN

Course :Human Anatomy & Physiology – II (23BP201T)
Programme :B.Pharm I Year II Semester
Academic Year:2025–26
Faculty :Dr. Y. Lavanya
Section :A

Sl. No.	Proposed Date	Topic to be Covered	Unit	CO	Teaching Method	Teaching Aid	Proposed Classes	Actual Classes Taken
1	23-03-2026	Course Introduction, Organization of Nervous System	I	CO1	Lecture	PPT, Chalk & Board	1	1
2	24-03-2026	Neuron & Neuroglia	I	CO1	Lecture	PPT	1	1
3	26-03-2026	Classification of Nerve Fibres	I	CO1	Lecture	Charts	1	1
4	27-03-2026	Electrophysiology	I	CO1	ICT	Animation	1	1
5	30-03-2026	Action Potential	I	CO1	Lecture	PPT	1	1
6	31-03-2026	Nerve Impulse	I	CO1	Interactive Lecture	PPT	1	1
7	02-04-2026	Receptors & Synapse	I	CO1	CBL	Clinical Images	1	1
8	03-04-2026	Neurotransmitters	I	CO1	Lecture	PPT	1	1
9	06-04-2026	Brain & Cerebrospinal Fluid	I	CO1	ICT	3D Brain Images	1	1
10	07-04-2026	Spinal Cord & Reflexes	I	CO1	Discussion	Charts	1	1
11	09-04-2026	Anatomy of GIT	II	CO2	Lecture	PPT	1	1
12	10-04-2026	Stomach & Gastric Secretions	II	CO2	Lecture	PPT	1	1
13	13-04-2026	Regulation of Acid Secretion	II	CO2	ICT	Animation	1	1
14	14-04-2026	Protein Digestion	II	CO2	Lecture	PPT	1	1
15	16-04-2026	Small Intestine	II	CO2	Lecture	Charts	1	1
16	17-04-2026	Large Intestine	II	CO2	Lecture	PPT	1	1
17	20-04-2026	Salivary Glands, Liver & Pancreas	II	CO2	Lecture	Models	1	1
18	21-04-2026	Movements of GIT	II	CO2	Interactive Lecture	Animation	1	1
19	22-04-2026	Digestion & Absorption	II	CO2	ICT	Video	1	1
20	25-04-2026	Energetics (ATP, Creatine Phosphate & BMR)	II	CO2	Discussion	PPT	1	1
21	27-04-2026	Respiratory System Anatomy	III	CO3	Lecture	PPT	1	1
22	28-04-2026	Mechanism of Respiration	III	CO3	ICT	Animation	1	1
23	29-04-2026	Regulation of Respiration	III	CO3	Lecture	PPT	1	1
24	02-05-2026	Lung Volumes & Capacities	III	CO3	Demonstration	Spirometry Video	1	1
25	04-05-2026	Transport of Respiratory Gases	III	CO3	Lecture	PPT	1	1
26	05-05-2026	Artificial Respiration & Resuscitation Methods	III	CO3	Video Demonstration	Clinical Video	1	1
27	06-05-2026	Urinary System Anatomy	III	CO3	Lecture	Charts	1	1
28	09-05-2026	Nephron – Structure & Functions	III	CO3	Lecture	Model	1	1
29	11-05-2026	Physiology of Urine Formation	III	CO3	ICT	Animation	1	1
30	12-05-2026	Revision before Mid-I (Units I–III)	I-III	CO1–CO3	Quiz & Discussion	MCQs	1	1
31	08-06-2026	Micturition Reflex & Acid–Base Balance	III	CO3	Lecture	PPT	1	1
32	09-06-2026	RAAS & Kidney Disorders	III	CO3	Case-Based Learning	Clinical Cases	1	1
33	10-06-2026	Introduction to Endocrine System	IV	CO4	Lecture	PPT	1	1
34	13-06-2026	Mechanism of Hormone Action	IV	CO4	ICT	Animation	1	1
35	15-06-2026	Pituitary Gland	IV	CO4	Lecture	PPT	1	1
36	16-06-2026	Thyroid & Parathyroid Glands	IV	CO4	Lecture	Charts	1	1
37	17-06-2026	Adrenal Gland	IV	CO4	Lecture	PPT	1	1
38	20-06-2026	Pancreas, Pineal, Thymus & Endocrine Disorders	IV	CO4	Discussion	PPT	1	1
39	22-06-2026	Male Reproductive System	V	CO5	Lecture	PPT	1	1
40	23-06-2026	Female Reproductive System	V	CO5	Lecture	Charts	1	1
41	24-06-2026	Sex Hormones & Menstrual Cycle	V	CO5	Interactive Lecture	Animation	1	1
42	27-06-2026	Fertilization, Pregnancy & Parturition	V	CO5	ICT	Video	1	1
43	29-06-2026	Genetics – Chromosomes, Genes & DNA	V	CO5	Lecture	PPT	1	1
44	06-07-2026	Protein Synthesis & Genetic Inheritance	V	CO5	PBL	Pedigree Charts	1	1
45	28-07-2026	Comprehensive Revision	I–V	CO1–CO5	Quiz & Discussion	PPT, MCQs	1	1

14-16 May
I MID EXAMINATION
18 May–06 Jun
SUMMER VACATION

Lesson Plan Review Record

Review No.	Date	Reviewed By	Remarks	Signature
I	23-03-2026	HOD	Syllabus completed & assessment conducted. Performance analysed & remedial measures suggested.	Dey
II	13-05-2026	HOD	Completed	Dey

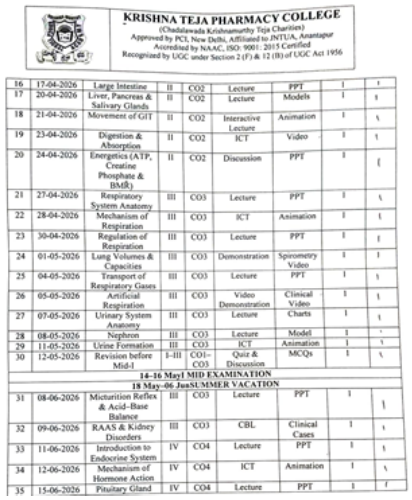
Verified By
ACADEMIC COORDINATOR



KRISHNA TEJA PHARMACY COLLEGE

Course :Human Anatomy & Physiology - II (21BP201T)
Programme :B Pharm I Year II Semester
Academic Year:2025-26
Faculty :Dr Y. Lavanya
Section :B

Sl. No.	Proposed Date	Topic to be Covered	Unit	CO	Teaching Method	Teaching Aid	No. of Classes Proposed	Actual No. of Classes Taken
1	23-03-2026	Course Introduction & Organization of Nervous System	I	CO1	Lecture	PPT, Chalk & Board	1	1
2	24-03-2026	Neuron & Neuroglia	I	CO1	Lecture	PPT	1	1
3	25-03-2026	Classification & Properties of Nerve Fibers	I	CO1	Lecture	Charts	1	1
4	28-03-2026	Electrophysiology & Resting Membrane Potential	I	CO1	ICT	Animation	1	1
5	30-03-2026	Action Potential	I	CO1	Lecture	PPT	1	-
6	31-03-2026	Nerve Impulse	I	CO1	Interactive Lecture	PPT	1	1
7	01-04-2026	Receptors & Synapse	I	CO1	Case-Based Learning	Clinical Images	1	1
8	04-04-2026	Neurotransmitters	I	CO1	Lecture	PPT	1	1
9	06-04-2026	Brain – Cerebrum, Brain Stem & Cerebellum	I	CO1	ICT-enabled Teaching	3D Brain Images	1	1
10	07-04-2026	Spinal Cord, Reflex Activity	I	CO1	Discussion	Charts	1	1
11	08-04-2026	Anatomy of Gastrointestinal Tract	II	CO2	Lecture	PPT	1	1
12	11-04-2026	Stomach – Structure &	II	CO2	Lecture	PPT	1	1



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16	17-04-2026	Large Intestine	II	CO2	Lecture	PPT	1	1
17	20-04-2026	Liver, Pancreas & Salivary Glands	II	CO2	Lecture	Models	1	1
18	21-04-2026	Movement of GIT	II	CO2	Interactive Lecture	Animation	1	1
19	23-04-2026	Digestion & Absorption	II	CO2	ICT	Video	1	1
20	24-04-2026	Energetics (ATP, Creatine Phosphate & BMR)	II	CO2	Discussion	PPT	1	1
21	27-04-2026	Respiratory System Anatomy	III	CO3	Lecture	PPT	1	1
22	28-04-2026	Mechanism of Respiration	III	CO3	ICT	Animation	1	1
23	30-04-2026	Regulation of Respiration	III	CO3	Lecture	PPT	1	1
24	01-05-2026	Lung Volumes & Capacities	III	CO3	Demonstration	Spirometry Video	1	1
25	04-05-2026	Transport of Respiratory Gases	III	CO3	Lecture	PPT	1	1
26	05-05-2026	Artificial Respiration	III	CO3	Video Demonstration	Clinical Video	1	1
27	07-05-2026	Urinary System Anatomy	III	CO3	Lecture	Charts	1	1
28	08-05-2026	Nephron	III	CO3	Lecture	Model	1	-
29	11-05-2026	Urine Formation	III	CO3	ICT	Animation	1	1
30	12-05-2026	Revision before Mid-I	I-III	CO1–CO3	Quiz & Discussion	MCQs	1	1
		14-16 May I MID EXAMINATION						
		18 May–06 Jun SUMMER VACATION						
31	08-06-2026	Micturition Reflex & Acid–Base Balance	III	CO3	Lecture	PPT	1	1
32	09-06-2026	RAAS & Kidney Disorders	III	CO3	CBL	Clinical Cases	1	1
33	11-06-2026	Introduction to Endocrine System	IV	CO4	Lecture	PPT	1	1
34	12-06-2026	Mechanism of Hormone Action	IV	CO4	ICT	Animation	1	1
35	15-06-2026	Pituitary Gland	IV	CO4	Lecture	PPT	1	1

PO-wise Curriculum Compliance

The prescribed curriculum provides coverage of the defined POs through a combination of disciplinary courses, practical training, skill-oriented courses, professional electives, internships, project work and supplementary academic activities.

PO	Principal Curriculum Components Supporting Attainment	Extent of Compliance
PO1 – Pharmacy Knowledge	Core courses in pharmaceutical sciences, including Pharmaceutics, Pharmaceutical Analysis, Medicinal Chemistry, Pharmacology, Pharmacognosy, Pharmaceutical Chemistry and related subjects	**High**
PO2 – Planning Abilities	Practical courses, project work, internships, skill-oriented courses and structured academic activities requiring planning, organization and timely completion	**Adequate**
PO3 – Problem Analysis	Pharmaceutical analysis, laboratory courses, practical experimentation, research methodology, case-based learning and project work	**High**
PO4 – Modern Tool Usage	Computer-related courses, instrumental methods of analysis, laboratory instrumentation, practical training and technology-oriented learning	**Adequate**
PO5 – Leadership Skills	Project work, team-based practical activities, seminars, professional-development activities and employability-oriented learning	**Adequate**
PO6 – Professional Identity	Pharmacy Practice, Social and Preventive Pharmacy, professional courses, internships, community-oriented activities and exposure to professional practice	**High**
PO7 – Pharmaceutical Ethics	Pharmaceutical Jurisprudence, professional and regulatory courses, ethical aspects of pharmacy practice, research and professional activities	**High**
PO8 – Communication	Communication Skills, seminars, presentations, assignments, project reports, viva-voce and other academic presentation activities	**High**
PO9 – The Pharmacist and Society	Pharmacy Practice, Social and Preventive Pharmacy, community-oriented activities, professional practice and regulatory learning	**High**
PO10 – Environment and Sustainability	Environmental Sciences, environmentally responsible pharmaceutical practices and activities addressing health, safety and environmental concerns	**Adequate**
PO11 – Life-long Learning	Electives, project work, research-oriented learning, seminars, workshops and exposure to emerging developments in pharmaceutical sciences and technology	**High**

The analysis indicates that the University curriculum provides broad coverage of all defined POs. However, certain competencies require **additional exposure beyond the prescribed syllabus**, particularly in emerging technologies, regulatory practices, industry-oriented skills, employability, advanced analytical techniques, intellectual property, medical coding and contemporary pharmaceutical developments.

Identification of Curricular Gaps and Action Taken

The identified curricular gaps are not treated as deficiencies in the University curriculum. They represent **additional competencies and emerging professional areas that require enrichment beyond the prescribed**

syllabus. The institution therefore supplements the curriculum through focused academic and professional-development activities.

The major areas identified and the corresponding institutional interventions are summarized below.

Identified curricular gap	Action taken by the Institution	Relevant POs
Drug abuse awareness and societal responsibilities	Awareness session on prevention of narcotic drug abuse	PO6, PO7, PO8, PO9
Regulatory and drug-approval practices	Expert session on drug approval processes in India and global regulatory perspectives	PO1, PO6, PO11
Medical coding and healthcare-related digital skills	Training/expert session on CPT and HCPCS coding systems	PO1, PO4, PO6, PO11
Intellectual Property Rights in pharmaceutical research	Expert programme on the role of IPR in pharmaceutical research	PO1, PO6, PO11
Professional communication and medical writing	Expert programme on development of medical education programmes and professional communication	PO5, PO6, PO8, PO9
Employability and professional skills	Training on soft skills, interview preparation, resume writing and career opportunities in pharmacy	PO5, PO8, PO11
Artificial intelligence and emerging technologies	Expert lectures on AI in the pharmaceutical industry, 3D printing and bioprinting	PO4, PO11
Drug discovery and development	Industry/research-oriented expert lecture on drug discovery and development	PO1, PO2, PO3, PO7
Marketing and business-development skills	Expert session on marketing of OTC and prescription medicines	Professional development and employability
Herbal and phytopharmaceutical developments	Expert programme on medicinal plants and phytopharmaceuticals	PO1, PO11
Pharmacovigilance and patient safety	Workshop on adverse drug reaction reporting	PO4, PO11
Laboratory animal handling and research ethics	Training on ethical perspectives and animal-handling techniques in biomedical research	PO6, PO7, PO8, PO9
Advanced analytical techniques	Demonstration and practical training on advanced analytical equipment	PO1, PO2, PO3, PO7
Good Manufacturing Practices	Expert lecture on cGMP and formulation-plant practices	PO1, PO11
Career development and higher-study pathways	Career guidance, placement preparation and higher-education programmes	PO4, PO6, PO7, PO8, PO9, PO11

The above interventions demonstrate that the institution systematically identifies areas requiring additional exposure and provides targeted learning opportunities to complement the University-prescribed curriculum. The GAP record documents interventions conducted during 2023–24, 2024–25 and 2025–26, including programmes on career development, pharmacovigilance, laboratory animal handling, advanced analytical techniques, cGMP, AI, drug discovery, regulatory practices, communication, IPR and employability skills.

Action Taken for the gap identified in the curriculum

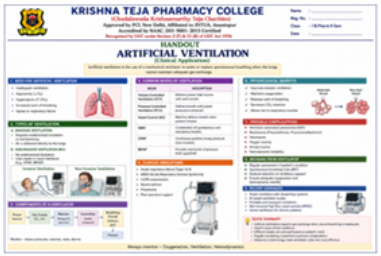
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CONTENT BEYOND SYLLABUS

Topic	Purpose	Evidence
Brain-Gut Axis	Recent advances in physiology	PPT
Gut Microbiome & Human Health	Clinical relevance	Recent review article
Artificial Ventilation	Clinical application	Seminar handout
Gene Therapy & CRISPR	Introduction to advanced genetics	PPT + Article

Evidence enclosed

- One-page handout
- Recent review article
- PPT slides
- Classroom photographs


KRISHNA TEJA PHARMACY COLLEGE
HANDOUT
ARTIFICIAL VENTILATION
(Clinical Applications)

Students Handout on Artificial Ventilation

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CASE-BASED LEARNING (CBL) – CASE SHEET

Case Sheet on Bronchial Asthma

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Ref: KTPC/Circular/2023-24/01 Date: 10.07.2023

CIRCULAR

This is to notify all the students of the Pharmacy Programme that the institution is organizing a RISE Training Programme on "Soft Skills" on 11.07.2023.

The programme will provide an opportunity for students to understand the significance of soft skills in the pharmacy profession and develop the competencies necessary to interact effectively in professional and social environments.

All the students are hereby instructed to attend the programme without fail and make effective use of this learning opportunity by actively participating in the training activities.

PRINCIPAL
PRINCIPAL
KRISHNA TEJA PHARMACY COLLEGE
CHADALAWADA NAGAR
TIRUPATI

Copy to:

1. Notice Board
2. Office File
3. B.Pharm Class Rooms
4. Class Incharge
5. Academic Coordinator
6. IQAC

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RISE TRAINING ON SOFT SKILLS

Activity: RISE Training on Soft Skills

Date 11.07.2023

Resource Person Dr. C. Kiran Kumar, Founder, RISE Training, Nellore

No. of Participants150

PROGRAMME REPORT

A training programme on **"Soft Skills"** was organized for the students of the Pharmacy Programme on **11 July 2023**. The programme was conducted with the objective of enhancing students' personal, academic, and professional competencies by creating awareness about the significance of soft skills in their overall development.

The session was delivered by **Dr. C. Kiran Kumar, Founder, RISE Training, Nellore**, who shared valuable insights on the role of soft skills in achieving academic success and building a successful professional career. The resource person emphasized the importance of effective communication, interpersonal relationships, self-confidence, teamwork, leadership qualities, positive attitude, and professional behaviour.

During the interactive session, students were encouraged to identify their individual strengths and areas for improvement. The programme highlighted the importance of developing a positive personality, effective communication abilities, and appropriate professional etiquette, which are essential for pharmacy graduates to perform efficiently in diverse healthcare and professional environments.

The training also provided students with practical guidance on improving their confidence, communication skills, decision-making abilities, and interpersonal effectiveness. Through interaction with the resource person, students gained a better understanding of the importance of continuous self-learning and personality development in meeting future academic and career challenges.

PROGRAM COORDINATOR IQAC PRINCIPAL

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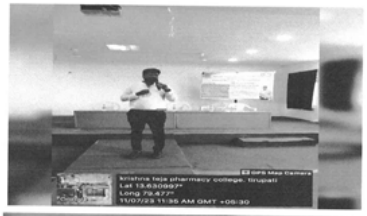
The programme created a positive learning environment and motivated students to actively focus on their personal and professional growth. The participants appreciated the interactive nature of the session and gained useful insights into the practical application of soft skills in their academic journey and future workplace.

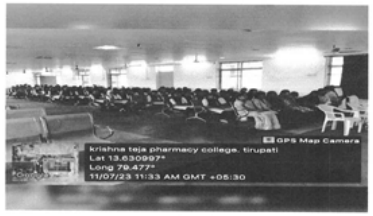
Outcome of the Programme

The RISE Training Programme on Soft Skills successfully enhanced the personal, academic, and professional competencies of pharmacy students by creating awareness about the importance of soft skills in their overall development. The programme improved students' communication, interpersonal, leadership, teamwork, and decision-making skills, enabling them to interact confidently and effectively in professional and social environments. It also motivated participants to develop self-confidence, a positive attitude, professional etiquette, and continuous self-learning habits that are essential for successful careers in the pharmacy profession. the training helped students strengthen their employability skills and prepared them to meet future academic, workplace, and healthcare challenges with confidence and professionalism.

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GEOTAGGED P HOTOGRAPHS











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E: Excell
G: Good
A: Averag
NS: Not Satisfacto

ASSESSMENT OF POS FROM CO-CURRICULAR ACTIVITY

Topic: Rise Training On Soft Skills

Delivered by: Dr. C. Kiran Kumar, Founder, RISE Training, NelloreDate: 11.07.2023

S. No.	Reg. No.	Feed Back				Leadership Skills				Professional Identity				Communication				Life-long Learning				Signature
		E	G	A	NS	E	G	A	NS	E	G	A	NS	E	G	A	NS	E	G	A	NS	
1.	20AF1R0001		✓				✓							✓				✓				
2.	20AF1R0002	✓								✓					✓				✓			
3.	20AF1R0003	✓								✓				✓				✓				
4.	20AF1R0004	✓									✓				✓				✓			
5.	20AF1R0005	✓								✓				✓				✓				
6.	20AF1R0006		✓				✓							✓				✓				
7.	20AF1R0007	✓	✓				✓								✓				✓			
8.	20AF1R0008		✓				✓								✓				✓			
9.	20AF1R0009		✓				✓							✓				✓				
10.	20AF1R0010	✓					✓				✓							✓				
11.	20AF1R0011		✓				✓							✓				✓				
12.	20AF1R0012	✓								✓				✓				✓				
13.	20AF1R0013	✓					✓				✓							✓				
14.	20AF1R0014		✓				✓							✓				✓				
15.	20AF1R0015	✓								✓				✓				✓				
16.	20AF1R0016		✓							✓				✓				✓				

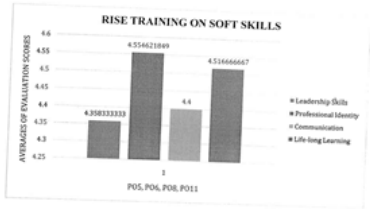
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17.	20AF1R0013	✓			✓				✓					Bindu
18.	20AF1R0019	✓				✓			✓					Lahari
19.	20AF1R0020	✓				✓			✓			✓		Sindhya
20.	20AF1R0021	✓			✓				✓					Keerthi

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ATTENDANCE OF STUDENTS

S.No	Hall Ticket Number	Student Name	Signature
1.	20AF1R0001	Hanamla	Hanamla.
2.	20AF1R0002	Mamatha	Mamatha
3.	20AF1R0002	Pavan kalyan	Pavan kalyan.
4.	20AF1R0004	Shafana Parvin	Shafana Parvin
5.	20AF1R0005	Vyshu	Vyshu
6.	20AF1R0006	Chandrika	Chandrika
7.	20AF1R0007	Hemanth	Hemanth
8.	20AF1R0008	B. Sowmya	Sowmya
9.	20AF1R0009	Teja ganga Sai	Teja ganga
10.	20AF1R0010	Ajay kumar	Ajay kumar
11.	20AF1R0011	Aravind Reddy	Aravind
12.	20AF1R0012	B. Hemanth	Hemanth
13.	20AF1R0013	Mathu sree	mathu sree
14.	20AF1R0014	Swathi	Swathi
15.	20AF1R0015	Anusha	Anusha
16.	20AF1R0017	Jyothi	Jyothi
17.	20AF1R0018	Bindu	Bindu
18.	20AF1R0019	Lahari	Lahari
19.	20AF1R0020	Sona Sindhya	Sona Sindhya
20.	20 AF1R0021	Sai lahari	Sai lahari
21.	20 AF1R0022	F. Kalyani	F. Kalyani
22.	20AF1R0023	F. Vyshnavi	F. Vyshnavi
23.	20AF1R0024	C. Chandra	C. Chandra



2.1.2 State the delivery details of the contents beyond the Syllabus for the attainment of POs (20)

Institute Marks : 20.00

2025-26

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	No of students Present	Relevance to POs
1	Substance-abu	Substance-abu	23/08/2025	Mrs. S. Aruna, Sub-Inspect	90	PO6, PO7, PO
2	National and gl	Expert session	24/09/2025	Mr. N. Sunil Kumar, Manag	96	PO1, PO6, PO
3	Medical coding	Training on CP	18/10/2025	Mrs G Mamatha, Senior Me	86	PO1, PO4, PO
4	Pharmaceutica	Expert session	13/11/2025	Mr. K. Kiran, Drug Safety A	90	PO1, PO6, PO
5	Medical commu	Expert session	06/12/2025	Dr. S. Lahoor Basha, Senio	130	PO5, PO6, PO
6	Employability a	Training progra	17/12/2025	Mr. Yogeshwer G., Youth Le	100	PO5, PO6, PO
7	3D printing anc	Guest lecture c	29/01/2026	Dr. Mamella Ravi Shankar,	90	PO4, PO11
8	Industry-orient	Expert lecture (	30/01/2026	Dr. Chandriah Godugu, Ass	100	PO1, PO2, PO
9	AI applications	Expert lecture (	10/02/2026	Dr. P. Rajesh, Associate Pr	93	PO4, PO6, PO
10	Pharmaceutica	Expert session	18/03/2026	Mr. V. Venkata Ramana, Sa	106	PO2, PO5, PO
11	Herbal drug an	Expert session	28/03/2026	Dr. Rajendra Prasad, Ayurv	95	PO1, PO6, PO

2024-25

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	No of students Present	Relevance to POs
1	Career develop	Webinar on the	28/08/2024	Ms Nikitha Jogewar, Assoc	108	PO6, PO7, PO
2	Pharmacovigila	Workshop on A	19/09/2024	Dr. Meenakshi, MBBS, MD,	100	PO3, PO4, PO
3	Ethical animal I	Programme on	21/10/2024	Dr. Jayaraman Rajangam, I	86	PO3, PO6, PO
4	Recent advanc	One-day webin	29/10/2024	Dr. M. Muni Krishna, Profes	80	PO1, PO3, PO
5	Career pathwa	Career guidanc	08/11/2024	Dr. Sai Prakash, Director, C	90	PO6, PO8, PO
6	Preventive hea	Awareness ses	27/11/2024	Dr. Jyothi Padavala, MD, Le	100	PO6, PO8, PO
7	Advanced phar	Demonstration	26/12/2024	Dr. S. Sudeep,Professor SF	140	PO1, PO3, PO
8	Current Good M	Special guest le	19/03/2025	Dr. Anka Rao, Managing Di	100	PO1, PO6, PO

2023-24

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	No of students Present	Relevance to POs
1	Professional sk	RISE training p	11/07/2023	Dr. C. Kiran Kumar, Founde	130	PO5, PO6, PO
2	Employability a	Workshop on e	26/09/2023	Mr. K. Sridhar, Director, Kau	100	PO5, PO6, PO
3	Ligand- and str	Programme on	18/10/2023	Dr. T. S. Saraswathi, Profes	90	PO1, PO3, PO
4	Women's safet	Expert lecture (	10/11/2023	Dr. B. Pooja Sudharama, A	100	PO6, PO7, PO
5	Global career a	Seminar on car	24/01/2024	Mr. Sony Akkara, Executive	85	PO6, PO8, PO

2.1.3 Adherence to Academic Calendar (10)

Institute Marks : 10.00

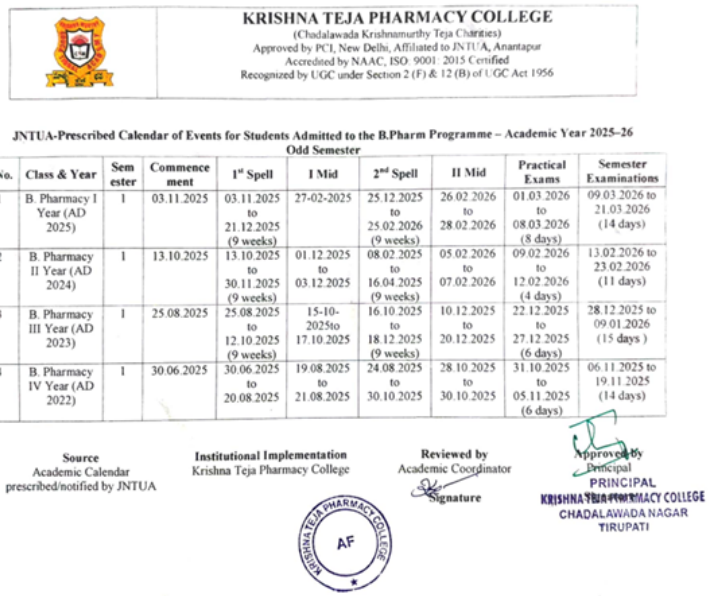
The institution follows the academic calendar prescribed and notified by Jawaharlal Nehru Technological University Anantapur (JNTUA), to which the institution is affiliated. The academic calendar issued by JNTUA serves as the basis for planning and scheduling academic activities at the institution.

The JNTUA academic calendar specifies the academic schedule, including the commencement of classes, instructional periods, internal examinations, practical examinations and semester-end examinations. Based on the university-prescribed calendar, the institution plans and coordinates its academic activities and communicates the relevant schedule to faculty members and students through appropriate institutional channels.

The Academic Committee, in coordination with the concerned Heads of Departments and examination functionaries, facilitates the implementation of the prescribed academic schedule and periodically reviews adherence to the notified dates. The planned and actual dates of major academic activities are documented for monitoring and record purposes.

During the assessment period, minor deviations in the scheduled dates of certain internal examinations occurred due to administrative, logistical and university-related requirements. Such deviations were reviewed by the Academic Committee, and appropriate measures including advance planning, periodic review of the academic schedule and improved coordination among the concerned departments were adopted to minimize recurrence.

The institution maintains the JNTUA-notified academic calendars and corresponding records of implementation/adherence for the assessment years 2023–24, 2024–25 and 2025–26. The records demonstrate substantial adherence to the university-prescribed academic calendar, with the majority of academic activities conducted as scheduled and deviations, wherever applicable, appropriately recorded and addressed.



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JNTUA-Prescribed Calendar of Events for Students Admitted to the B.Pharm Programme – Academic Year 2025–26
Odd Semester

S.No.	Class & Year	Semester	Commencement	1st Spell	I Mid	2nd Spell	II Mid	Practical Exams	Semester Examinations
1	B. Pharmacy I Year (AD 2025)	I	03.11.2025	03.11.2025 to 21.12.2025 (9 weeks)	27-02-2025	25.12.2025 to 25.02.2026 (9 weeks)	26.02.2026 to 28.02.2026	01.03.2026 to 08.03.2026 (8 days)	09.03.2026 to 21.03.2026 (14 days)
2	B. Pharmacy II Year (AD 2024)	I	13.10.2025	13.10.2025 to 30.11.2025 (9 weeks)	01.12.2025 to 03.12.2025	08.02.2025 to 16.04.2025 (9 weeks)	05.02.2026 to 07.02.2026	09.02.2026 to 12.02.2026 (4 days)	13.02.2026 to 23.02.2026 (11 days)
3	B. Pharmacy III Year (AD 2023)	I	25.08.2025	25.08.2025 to 12.10.2025 (9 weeks)	15-10-2025to 17.10.2025	16.10.2025 to 18.12.2025 (9 weeks)	10.12.2025 to 20.12.2025	22.12.2025 to 27.12.2025 (6 days)	28.12.2025 to 09.01.2026 (15 days)
4	B. Pharmacy IV Year (AD 2022)	I	30.06.2025	30.06.2025 to 20.08.2025	19.08.2025 to 21.08.2025	24.08.2025 to 30.10.2025	28.10.2025 to 30.10.2025	31.10.2025 to 05.11.2025 (6 days)	06.11.2025 to 19.11.2025 (14 days)

Source
Academic Calendar prescribed/notified by JNTUA

Institutional Implementation
Krishna Teja Pharmacy College

Reviewed by
Academic Coordinator
Signature

Approved by
Principal
PRINCIPAL
KRISHNA TEJA PHARMACY COLLEGE
CHADALAWADA NAGAR
TIRUPATI

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Adherence to JNTUA-Prescribed Academic Calendar – Academic Year 2025–26
Odd semester

S. No.	Academic Activity	JNTUA-Prescribed Date	Conducted Date	Adherence	Remarks / Action Taken
	IV/IV B.Pharm (2022–23 Batch), Sem-VII				
1.	Commencement of Class Work	30.06.2025	30.06.2025	**Yes**	Conducted as per the prescribed academic schedule.
2.	1st Mid Examination	21.08.2025	21.08.2025	**Yes**	Conducted as per the prescribed academic schedule.
3.	2nd Mid Examination	28.10.2025	28.10.2025	**Yes**	Conducted as per the prescribed academic schedule.
4.	Semester-End Examination	28.12.2025	28.12.2025	**Yes**	Conducted as per the revised examination schedule notified by JNTUA.
5.	Practical Examinations	31.10.2025	31.10.2025	**Yes**	Conducted as per the prescribed academic schedule.
	III/IV B.Pharm (2023–24 Batch), Sem-V				
1.	Commencement of Class Work	25.08.2025	25.08.2025	**Yes**	Conducted as per the prescribed academic schedule.
2.	1st Mid Examination	13.10.2025	13.10.2025	**Yes**	Conducted as per the prescribed academic schedule.
3.	2nd Mid Examination	10.12.2025	16.12.2025	**No**	Examination was conducted with a **6-day deviation** from the prescribed date. The deviation was reviewed by the Academic Committee, and advance planning and coordination of the examination schedule were strengthened to minimize recurrence.
4.	Semester-End Examination	28.12.2025	28.12.2025	**Yes**	Conducted as per the prescribed/revised JNTUA examination schedule.
5.	Practical Examinations	22.12.2025	22.12.2025	**Yes**	Conducted as per the prescribed academic schedule.

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	II/IV B.Pharm (2024–25 Batch), Sem-III				
1.	Commencement of Class Work	13.10.2025	13.10.2025	**Yes**	Conducted as per the prescribed academic schedule.
2.	1st Mid Examination	01.12.2025	01.12.2025	**Yes**	Conducted as per the prescribed academic schedule.
3.	2nd Mid Examination	05.02.2026	05.02.2026	**Yes**	Conducted as per the prescribed academic schedule.
4.	Semester-End Examination	13.02.2026	13.02.2026	**Yes**	Conducted as per the prescribed/revised JNTUA examination schedule.
5.	Practical Examinations	09.02.2026	09.02.2026	**Yes**	Conducted as per the prescribed academic schedule.
	I/IV B.Pharm (2025–26 Batch), Sem-I				
1.	Commencement of Class Work	03.11.2025	03.11.2025	**Yes**	Conducted as per the prescribed academic schedule.
2.	1st Mid Examination	22.12.2025	22.12.2025	**Yes**	Conducted as per the prescribed academic schedule.
3.	2nd Mid Examination	26.02.2026	26.02.2026	**Yes**	Conducted as per the prescribed academic schedule.
4.	Semester-End Examination	09.03.2026	09.03.2026	**Yes**	Conducted as per the prescribed/revised JNTUA examination schedule.
5.	Practical Examinations	01.03.2026	01.03.2026	**Yes**	Conducted as per the prescribed academic schedule.

Reviewed by
Academic Coordinator

KRISHNA TEJA PHARMACY COLLEGE

Approved by
PRINCIPAL
KRISHNA TEJA PHARMACY COLLEGE
CHADALAWADA NAGAR
TIRUPATI

KRISHNA TEJA PHARMACY COLLEGE

(Chadalawada Krishnamurthy Teja Charities)
Approved by PCI, New Delhi, Affiliated to JNTUA, Anantapur
Accredited by NAAC, ISO 9001:2015 Certified
Recognized by UGC under Section 2 (F) & 12 (B) of UGC Act 1956

JNTUA-Prescribed Calendar of Events for Students Admitted to the B.Pharm Programme – Academic Year 2025–26
Even Semester

S.No.	Class & Year	Semester	Commencement	1st Spell	I Mid	2nd Spell	II Mid	Practical Exams	Semester Examinations
1	B. PharmacyI Year (AD 2023)	2	23.03.2026	23.03.2026 to 16.05.2026 (9 weeks)	14.05.2026 to 16.05.2026	08.06.2026 to 01.08.2026 (9 weeks)	30.07.2026 to 01.08.2026	02.08.2026 to 09.08.2026 (8 days)	10.08.2026 to 22.08.2026 (13 days)
2	B. PharmacyII Year (AD 2022)	2	24.02.2026	24.02.2026 to 30.04.2026 (9 weeks)	13.04.2026 to 15.04.2026	27.06.2026 to 14.08.2026 (9 weeks)	12.08.2026 to 14.08.2026	17.08.2026 to 22.08.2026 (6 days)	24.08.2026 to 05.09.2026 (13 days)
3	B. PharmacyIII Year (AD 2021)	2	19.01.2026	19.01.2026 to 08.03.2026 (9 weeks)	09.03.2026 to 11.03.2026	12.03.2026 to 15.05.2026 (9 weeks)	13.05.2026 to 15.05.2026	14.07.2026 to 19.07.2026 (5 days)	21.07.2026 to 01.08.2026 (13 days)
4	B. PharmacyIV Year (AD 2020)	2	21.11.2025	21.11.2025 to 20.1.2026 (9 weeks)	21.01.2026 to 22.01.2026	23.01.2026 to 23.03.2026 (9 weeks)	21.03.2026 to 23.03.2026	NOT APPLICABLE	30.03.2026 to 10.04.2026 (12 days)

Source
Academic Calendar prescribed/notified by JNTUA

Institutional Implementation
Krishna Teja Pharmacy College

Reviewed by
Academic Coordinator
Signature

Approved by
Principal
PRINCIPAL
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Adherence to JNTUA-Prescribed Academic Calendar – Academic Year (CAY) 2025–26
Even semester

S. No.	Academic Activity	JNTUA-Prescribed Date	Conducted Date	Adherence	Remarks / Action Taken
	IV/IV B.Pharm (2022–23 Batch), Sem-VIII				
1	Commencement of Class Work	21.11.2025	21.11.2025	Yes	Conducted as per the prescribed academic schedule.
2	1st Mid Examination	21.01.2026	22.01.2026	**No***	Examination was conducted with a one-day deviation from the prescribed date. The deviation was reviewed by the Academic Committee and appropriate schedule coordination measures were strengthened.
3	2nd Mid Examination	21.03.2026	21.03.2026	Yes	Conducted as per the prescribed academic schedule.
5	Semester-End Examination	30.03.2026	30.03.2026	Yes	Conducted as per the revised examination schedule notified by JNTUA.
6	Project Viva Voce	24.03.2026	24.03.2026	Yes	Conducted as per the prescribed academic schedule.
	III/IV B.Pharm (2023–24 Batch), Sem-VI				
7	Commencement of Class Work	19.01.2026	19.01.2026	Yes	Conducted as per the prescribed academic schedule.
8	1st Mid Examination	09.03.2026	09.03.2026	Yes	Conducted as per the prescribed academic schedule.
9	2nd Mid Examination	13.05.2026	13.05.2026	Yes	Conducted as per the prescribed academic schedule.
10	Semester-End Examination	21.07.2026	21.07.2026	Yes	Conducted as per the prescribed/revised JNTUA examination schedule.

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11	Practical Examinations	14.07.2026	14.07.2026	Yes	Conducted as per the prescribed academic schedule.
II/IV B.Pharm (2024-25 Batch), Sem-IV					
1	Commencement of Class Work	24.02.2026	24.02.2026	Yes	Conducted as per the prescribed academic schedule.
2	1st Mid Examination	13.04.2026	13.04.2026	Yes	Conducted as per the prescribed academic schedule.
3	2nd Mid Examination	12.08.2026	12.08.2026	Yes	Conducted as per the prescribed academic schedule.
5	Semester-End Examination	24.08.2026	24.08.2026	Yes	Scheduled as per the JNTUA-prescribed examination schedule.
6	Practical Examinations	17.08.2026	17.08.2026	Yes	Conducted as per the prescribed academic schedule.
I/IV B.Pharm (2025-26 Batch), Sem-II					
1	Commencement of Class Work	23.03.2026	23.03.2026	Yes	Conducted as per the prescribed academic schedule.
2	1st Mid Examination	14.05.2026	14.05.2026	Yes	Conducted as per the prescribed academic schedule.
3	2nd Mid Examination	30.07.2026	30.07.2026	Yes	Conducted as per the prescribed academic schedule.
5	Semester-End Examination	10.08.2026	10.08.2026	Yes	Conducted as per the prescribed/revised JNTUA examination schedule.
6	Practical Examinations	02.08.2026	02.08.2026	Yes	Conducted as per the prescribed academic schedule.

Reviewed by
Academic Coordinator

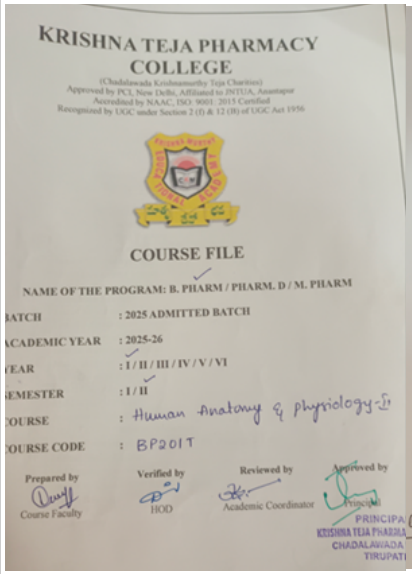
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2.2 Teaching-Learning Processes (110) Total Marks 110.00

2.2.1 Initiatives in teaching and learning process (25)

Institute Marks : 25.00

The institution follows a **planned, student-centric and outcome-oriented teaching–learning process** for effective curriculum delivery, active student participation, development of practical competencies and continuous improvement in student learning. The process is planned in accordance with the academic calendar, timetable and course-wise teaching plan. Student learning is continuously monitored through classroom interaction, assignments, class tests, internal examinations, seminars, presentations, practical performance, records and viva-voce. At the beginning of every academic session, course delivery is planned in accordance with the academic calendar, timetable and course-wise teaching plans. Student learning is continuously monitored through classroom interaction, assignments, class tests, internal examinations, seminars, presentations, practical performance, records and viva-voce. The performance of students is reviewed periodically to identify learning difficulties and provide appropriate academic interventions. Advanced learners are encouraged to undertake higher-level learning activities, projects, seminars and research-oriented activities.



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COURSE FILE

NAME OF THE PROGRAM: B. PHARM / PHARM. D / M. PHARM

BATCH : 2025 ADMITTED BATCH

ACADEMIC YEAR : 2025-26

YEAR : I / II / III / IV / V / VI

SEMESTER : I / II

COURSE : Human Anatomy & Physiology-I

COURSE CODE : BP201T

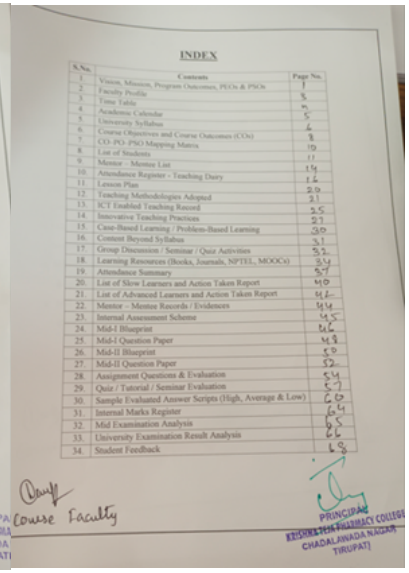
Prepared by: Course Faculty

Verified by: HOD

Reviewed by: Academic Coordinator

Approved by: Principal

PRINCIPAL KRISHNA TEJA PHARMACY COLLEGE CHADALAWADA TIRUPATI

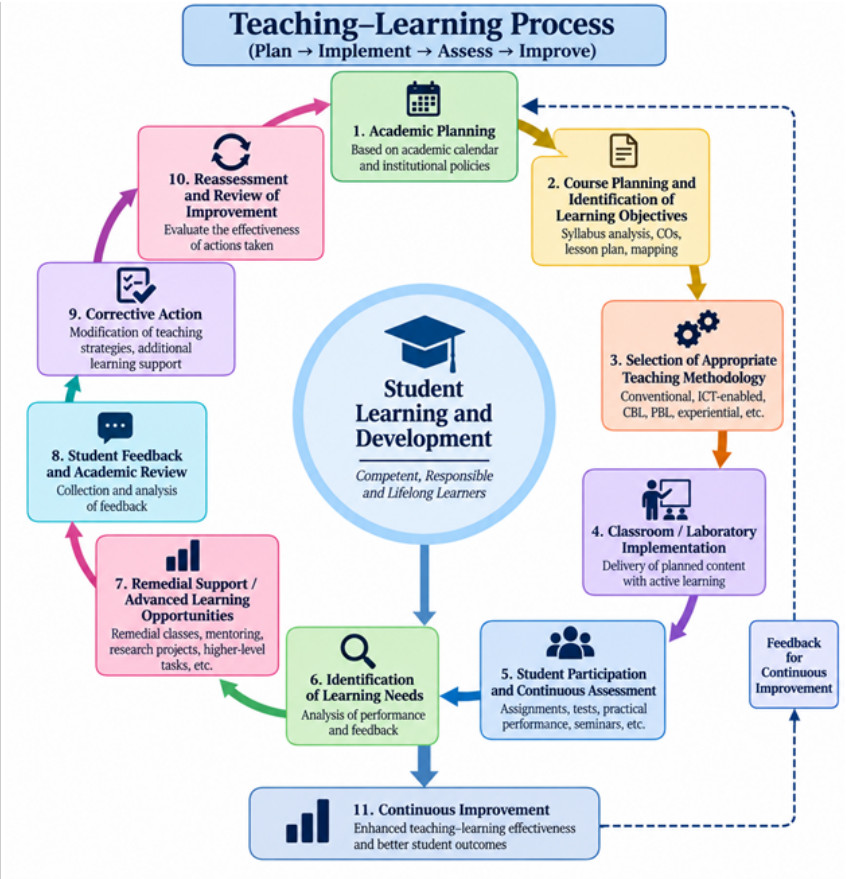


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Course Faculty

PRINCIPAL KRISHNA TEJA PHARMACY COLLEGE CHADALAWADA NAGAR TIRUPATI



Teaching Methodologies Adopted

Faculty members use a combination of **conventional, learner-centred, interactive, ICT-enabled, application-oriented, experiential and competency-based teaching methodologies**, according to the nature of the course and learning requirements.

The major methodologies adopted are:

1. Chalk-and-Board Teaching

Fundamental concepts, mechanisms, structures, equations and problem-solving steps are explained systematically to establish conceptual clarity.

2. ICT-Enabled Interactive Teaching

PPTs, multimedia, educational videos, digital content, internet-based resources and SWAYAM resources are integrated with classroom teaching to facilitate visualization of complex concepts and improve student engagement.

3. Case-Based Learning

Real or simulated clinical and therapeutic cases are used to connect theoretical concepts with practical and clinical situations. Students analyse the cases, identify problems, retrieve relevant information and discuss possible solutions under faculty guidance.

4. Project-Based Learning

Students undertake discipline-specific projects such as formulation development, drug-delivery systems, analytical studies, pharmacological evaluation, clinical case studies and other research-oriented activities. This provides opportunities for application of knowledge, problem-solving, critical thinking and teamwork.

5. Application-Oriented and Case-Based Assignments

Assignments are designed to encourage students to analyse, interpret, compare, solve problems and apply subject knowledge to practical situations rather than merely reproduce information.

6. Digital Drug Information-Based Learning

Students are given drug-information or clinical questions and guided to identify the information requirement, search authenticated resources, retrieve and critically evaluate information, interpret the findings and present evidence-based answers.

7. Experiential and Community-Based Learning

Students are provided opportunities to apply classroom knowledge in real-life and community settings through community-oriented activities, developing communication, teamwork, professional behaviour and social responsibility.

8. Practical and Competency-Based Learning

Practical teaching emphasizes demonstration, hands-on practice, skill development, instrument handling, prescription analysis, patient-counselling activities, drug-information exercises, formulation development and interpretation of analytical data.

9. Collaborative Learning

Seminars, group discussions, peer interaction and student presentations are used to encourage active participation, communication, teamwork, confidence and leadership.

10. Tutorials and Doubt-Clearing Sessions

Regular tutorial sessions are used for revision of topics, clarification of student doubts and reinforcement of learning.

11. Guest Lectures and Industrial Exposure

Subject experts are invited to provide additional academic and professional inputs. Industrial visits are organized to expose students to industrial practices and current trends.

12. Mentor–Mentee Process

Students are assigned to faculty mentors for regular interaction, academic guidance and monitoring of their learning progress.



Chalk-and-Board Teaching



ICT-Enabled Interactive Teaching

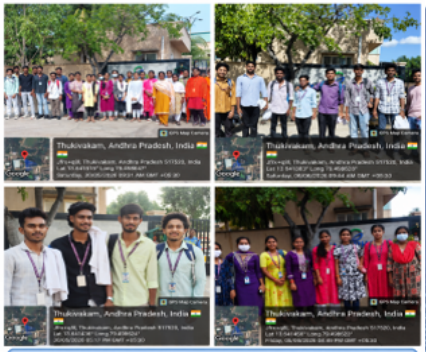
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INNOVATIVE TEACHING PRACTICES

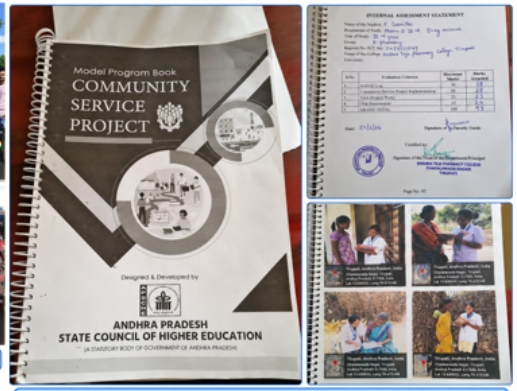
Activity 1: Case-Based Learning (CBL)
Topic: Bronchial Asthma
Evidences enclosed: Case sheet, Student responses, Classroom photographs
Activity 2: Clinical Correlation
Topic: Hyperthyroidism
Students correlate endocrine physiology with clinical manifestations.
Evidences enclosed: Clinical scenario handout, Student discussion worksheet, Photographs
Activity 3: Interactive Quiz
Platform: Google Forms
Evidences enclosed: Quiz questions, Student scores, Screenshot of results,
Activity 4: Group Discussion
Topic: Organ Donation and Kidney Transplantation
Evidences enclosed: Discussion notice, Attendance, Photographs, Summary prepared by students



Case Based Learning



Industrial Exposure and Visit



Experiential and Community-Based Learning



Digital Drug Information-Based Learning



Practical and Competency-Based Learning



Application-Oriented and Case-Based Assignments



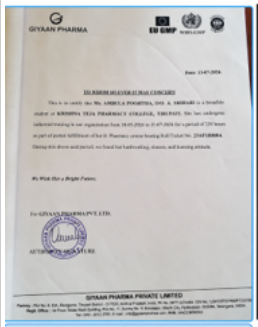
Collaborative learning by Student Presentation



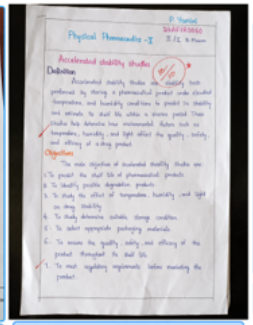
Tutorials and Doubt-Clearing Sessions



Industry Internship Presentation



Industrial Internship



Assignments



Mentor–Mentee Process

Support for Students at Different Learning Levels

To address differences in learning levels, the institution follows a structured mechanism for supporting students requiring additional academic assistance and encouraging advanced learners. Student performance is monitored through class tests, internal examinations, assignments, practical performance, viva-voce, classroom interaction, attendance and faculty observations. Based on the academic performance and interaction with students, those requiring additional support are identified and appropriate academic interventions are provided.

Students with **difficulty in understanding fundamental concepts** are provided repeated explanations, simplified learning materials and focused doubt-clearing sessions. Students showing **low performance in class tests or internal examinations** are supported through remedial classes and revision sessions. Additional problem-solving and practice sessions are conducted for students facing difficulty with problem-oriented topics. Students experiencing difficulty in practical work are provided repeat demonstrations and individual guidance. Faculty mentoring and individual counselling are used to improve participation, confidence and academic engagement.

Advanced learners are encouraged to engage in learning activities beyond routine classroom requirements. They are provided opportunities through application-oriented assignments, Case-Based Learning, Project-Based Learning, seminar presentations, research-oriented activities and additional learning resources. Competitive examination guidance is also provided to support their academic and professional progression. The adopted **Case-Based Learning, Project-Based Learning and application-oriented assignments** further provide opportunities for students to apply knowledge, analyse problems, develop critical thinking and undertake higher-level learning activities. The progress of students receiving additional support and the participation of advanced learners are reviewed through subsequent academic performance, practical performance, classroom participation, feedback and

reassessment. Based on the review, further support or additional learning opportunities are provided wherever required.

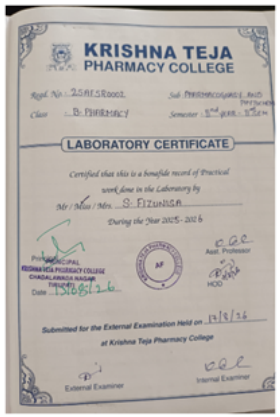
Quality of Laboratory Experiments and Continuous Assessment

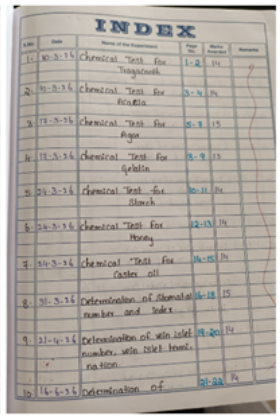
The institution ensures the quality of laboratory experiments through a **systematic process of experiment planning, conduct, observation, recording, analysis, interpretation and continuous assessment**. Before commencement of each experiment, students are guided regarding the objective, principle and procedure, followed by demonstration wherever required. Students then perform the experiment under faculty supervision with emphasis on proper procedure, appropriate handling of laboratory materials and equipment, accuracy and safety practices.

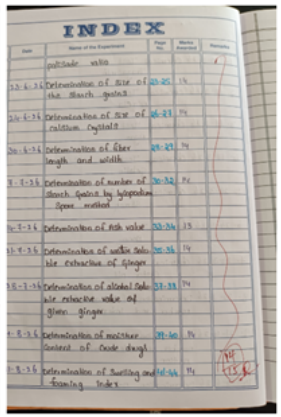
Students maintain **individual practical records** in which the experiments are systematically documented through the experiment index, title, objective/principle, procedure, observations, calculations/data analysis and results. Appropriate diagrams and illustrations are included wherever required. The laboratory record photographs provide evidence of the systematic documentation of experiments, observations, calculations and results.

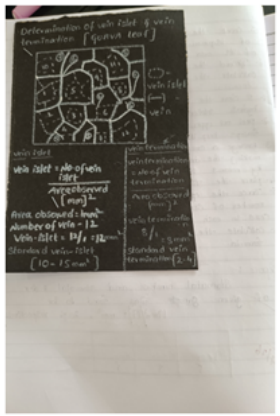
The **continuous assessment of laboratory performance** is integrated with regular practical work. Students are assessed throughout the course on their preparation, experimental performance, equipment handling, accuracy of observation and recording, calculations, analysis and interpretation of results, practical records and viva-voce. Faculty members continuously observe student performance and provide **immediate feedback, corrections and individual guidance** wherever required. When students experience difficulty in performing an experiment, additional explanation or repeat demonstration is provided, and their subsequent performance is reviewed to assess improvement.

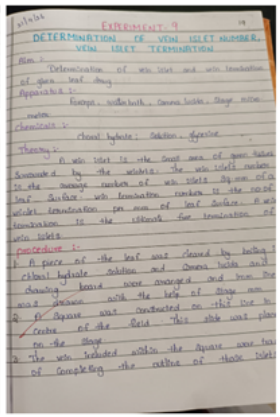
The practical record is also reviewed as part of continuous assessment to monitor the **regularity, accuracy, completeness and understanding of experimental work**. Viva-voce and discussion are used to assess students understanding of the objective, principle, procedure, observations, calculations and results. Thus, laboratory teaching and assessment are integrated to ensure progressive development of **practical, technical and professional competencies**.

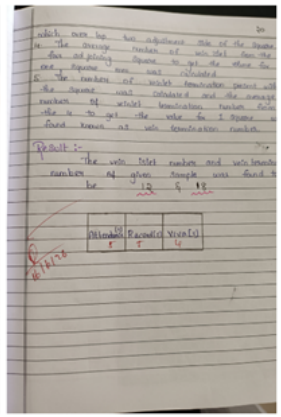








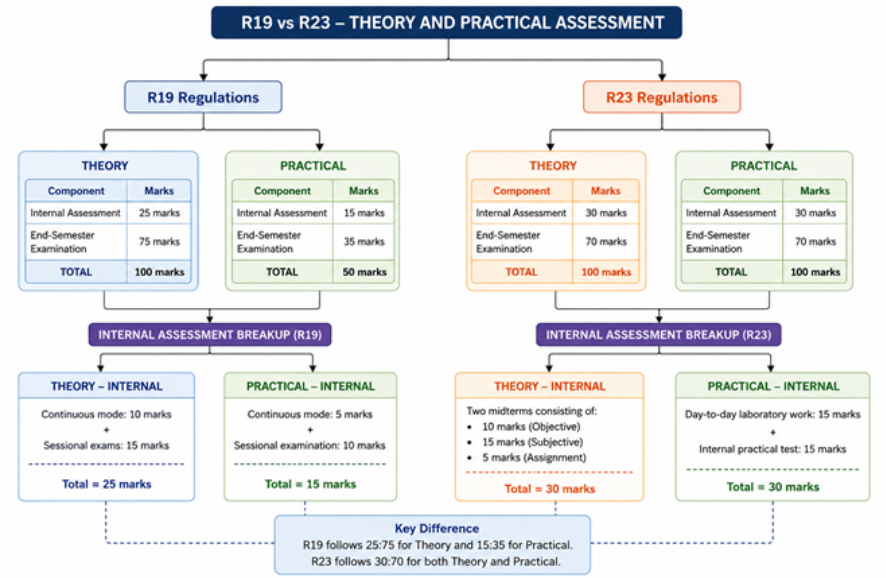




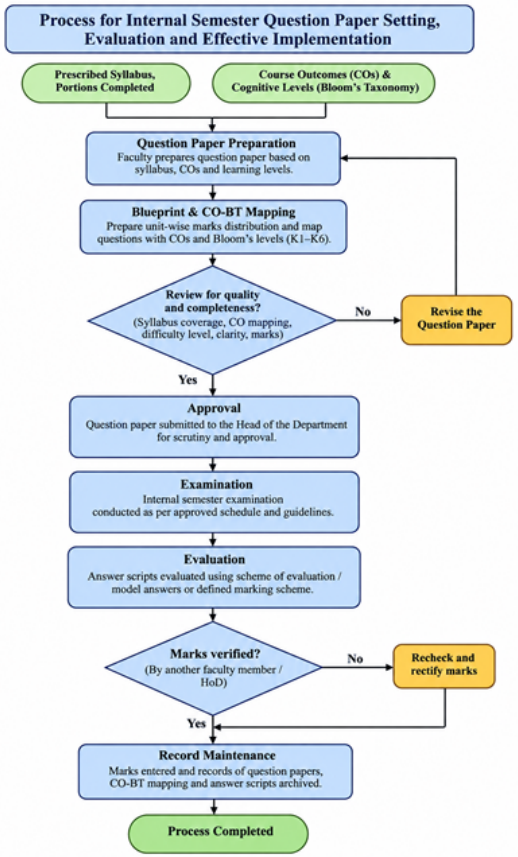
2.2.2 Quality of internal semester question papers, assignments and evaluation (10)

Institute Marks : 10.00

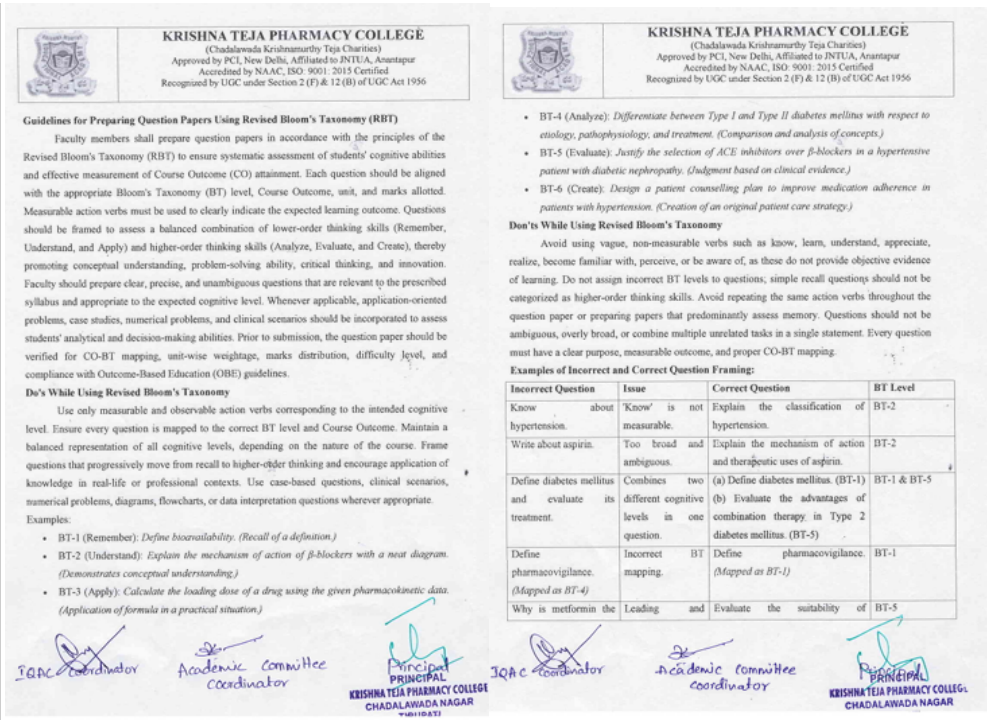
The institution follows a systematic and documented process for ensuring the quality of internal semester question papers, assignments and evaluation. During the assessment period, the applicable **JNTUA R19 and R23 regulations** were followed for the respective student batches. Under **R19**, theory courses followed **25 marks internal + 75 marks end-semester examination**, while practical courses carried **15 marks internal + 35 marks end-semester examination**. Under **R23**, both theory and practical courses followed **30 marks internal + 70 marks end-semester examination**. The change in marks distribution was implemented according to the applicable regulation; however, the **institutional question-paper and blueprint pattern remained consistent**. The quality-assurance process included question-paper preparation, blueprinting, CO-BT mapping, review, approval, evaluation and record maintenance.



The institution follows a defined process for preparation, review, approval, conduct and evaluation of internal semester question papers. The concerned faculty member prepares the question paper with reference to the prescribed syllabus, portions completed, Course Outcomes and applicable examination pattern. The question paper is reviewed for syllabus coverage, CO representation, cognitive levels, difficulty level, marks distribution, clarity, internal choice and time feasibility. The institutional guidelines require question-wise **CO and Blooms Taxonomy mapping** and provide for preparation of the question-paper blueprint and supporting evaluation documents. The question paper is reviewed by the concerned faculty/HOD before finalization and approval. Evaluation is carried out using the prescribed marking scheme, answer key/model answers or defined marking points, wherever applicable. Marks are verified and recorded systematically, and relevant assessment records are maintained.



Internal assessment questions are designed with reference to the **Course Outcomes (COs)** and appropriate cognitive levels of learning. The institutional question-paper format incorporates **CO and BT columns**, enabling question-wise identification of the intended Course Outcome and cognitive level. The question-paper blueprint further specifies the **unit, question number, marks, CO and cognitive level**, thereby ensuring planned representation of course outcomes and learning levels.



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Guidelines for Preparing Question Papers Using Revised Bloom's Taxonomy (RBT)

Faculty members shall prepare question papers in accordance with the principles of the Revised Bloom's Taxonomy (RBT) to ensure systematic assessment of students' cognitive abilities and effective measurement of Course Outcome (CO) attainment. Each question should be aligned with the appropriate Bloom's Taxonomy (BT) level, Course Outcome, unit, and marks allotted. Measurable action verbs must be used to clearly indicate the expected learning outcome. Questions should be framed to assess a balanced combination of lower-order thinking skills (Remember, Understand, and Apply) and higher-order thinking skills (Analyze, Evaluate, and Create), thereby promoting conceptual understanding, problem-solving ability, critical thinking, and innovation. Faculty should prepare clear, precise, and unambiguous questions that are relevant to the prescribed syllabus and appropriate to the expected cognitive level. Whenever applicable, application-oriented problems, case studies, numerical problems, and clinical scenarios should be incorporated to assess students' analytical and decision-making abilities. Prior to submission, the question paper should be verified for CO-BT mapping, unit-wise weightage, marks distribution, difficulty level, and compliance with Outcome-Based Education (OBE) guidelines.

Do's While Using Revised Bloom's Taxonomy

Use only measurable and observable action verbs corresponding to the intended cognitive level. Ensure every question is mapped to the correct BT level and Course Outcome. Maintain a balanced representation of all cognitive levels, depending on the nature of the course. Frame questions that progressively move from recall to higher-order thinking and encourage application of knowledge in real-life or professional contexts. Use case-based questions, clinical scenarios, numerical problems, diagrams, flowcharts, or data interpretation questions wherever appropriate.

Examples:

- BT-1 (Remember): *Define bioavailability. (Recall of a definition.)*
- BT-2 (Understand): *Explain the mechanism of action of β-blockers with a neat diagram. (Demonstrates conceptual understanding.)*
- BT-3 (Apply): *Calculate the loading dose of a drug using the given pharmacokinetic data. (Application of formula in a practical situation.)*

IQAC Coordinator Academic committee coordinator Principal PRINCIPAL KRISHNA TEJA PHARMACY COLLEGE CHADALAWADA NAGAR TIRUPATI

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- BT-4 (Analyze): *Differentiate between Type I and Type II diabetes mellitus with respect to etiology, pathophysiology, and treatment. (Comparison and analysis of concepts.)*
- BT-5 (Evaluate): *Justify the selection of ACE inhibitors over β-blockers in a hypertensive patient with diabetic nephropathy. (Judgment based on clinical evidence.)*
- BT-6 (Create): *Design a patient counselling plan to improve medication adherence in patients with hypertension. (Creation of an original patient care strategy.)*

Don'ts While Using Revised Bloom's Taxonomy

Avoid using vague, non-measurable verbs such as know, learn, understand, appreciate, realize, become familiar with, perceive, or be aware of, as these do not provide objective evidence of learning. Do not assign incorrect BT levels to questions; simple recall questions should not be categorized as higher-order thinking skills. Avoid repeating the same action verbs throughout the question paper or preparing papers that predominantly assess memory. Questions should not be ambiguous, overly broad, or combine multiple unrelated tasks in a single statement. Every question must have a clear purpose, measurable outcome, and proper CO-BT mapping.

Examples of Incorrect and Correct Question Framing:

Incorrect Question	Issue	Correct Question	BT Level
Know about hypertension.	'Know' is not measurable.	Explain the classification of hypertension.	BT-2
Write about aspirin.	Too broad and ambiguous.	Explain the mechanism of action and therapeutic uses of aspirin.	BT-2
Define diabetes mellitus and evaluate its treatment.	Combines two different cognitive levels in one question.	(a) Define diabetes mellitus. (BT-1) (b) Evaluate the advantages of combination therapy in Type 2 diabetes mellitus. (BT-5)	BT-1 & BT-5
Define pharmacovigilance. *(Mapped as BT-4)*	Incorrect BT mapping.	Define pharmacovigilance. *(Mapped as BT-1)*	BT-1
Why is metformin the	Leading and	Evaluate the suitability of	BT-5

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best drug?	subjective question.	metformin as the first-line drug in Type 2 diabetes mellitus with justification.	
Explain, explain, explain...	Repetitive use of the same action verb.	Use a variety of verbs such as explain, compare, analyze, justify, design, calculate, interpret, and evaluate.	Appropriate BT Levels

Following these guidelines ensures that question papers are valid, reliable, objective, and aligned with the principles of Outcome-Based Education (OBE). Proper use of the Revised Bloom's Taxonomy enhances the quality of assessment by evaluating not only knowledge acquisition but also students' ability to apply, analyze, evaluate, and create solutions in professional pharmacy practice.

Recommended BT Distribution for Internal Theory Examinations

BT Level	Cognitive Level	Recommended Distribution (%)	Purpose
BT-1	Remember	10–15%	Recall of facts, definitions, terminology and basic concepts
BT-2	Understand	20–25%	Explanation, interpretation, classification and conceptual understanding
BT-3	Apply	25–30%	Application of knowledge, calculations, problem solving and clinical application
BT-4	Analyze	20–25%	Comparison, differentiation, interpretation, data analysis and reasoning
BT-5	Evaluate	10–15%	Critical appraisal, justification, decision-making and evidence-based judgment
BT-6	Create	5–10%	Designing, planning, developing, proposing and innovation

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Overall Distribution

- **Lower Order Thinking Skills (LOTS) (BT1–BT3): 55–65%**
- **Higher Order Thinking Skills (HOTS) (BT4–BT6): 35–45%**

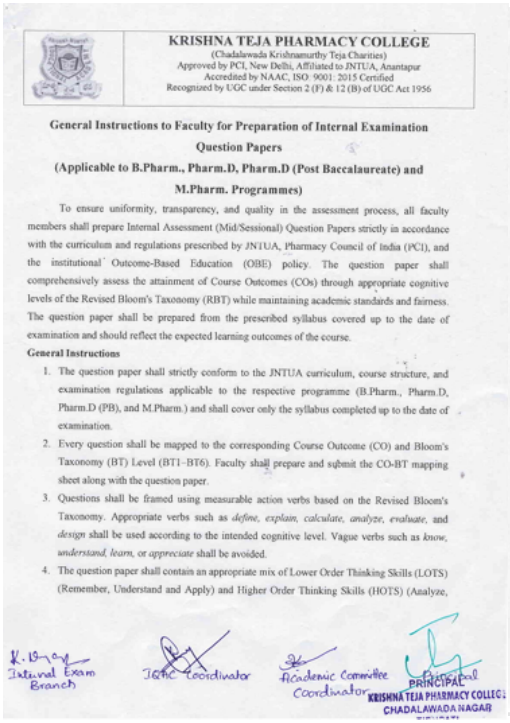
Institutional Guideline

*The internal theory question paper should maintain an appropriate balance between Lower Order Thinking Skills (LOTS) and Higher Order Thinking Skills (HOTS). Approximately **55–65%** of the questions shall assess Remember, Understand, and Apply (BT1–BT3), while **35–45%** shall assess Analyze, Evaluate, and Create (BT4–BT6). The exact distribution may vary depending on the nature of the course, programme, and learning outcomes. Basic science and foundational subjects may contain a relatively higher proportion of BT1–BT3 questions, whereas professional, clinical, research, and postgraduate courses should incorporate a greater percentage of BT4–BT6 questions to promote analytical thinking, clinical reasoning, evidence-based decision-making, and innovation.*

Recommended Distribution by Programme

Programme	LOTS (BT1–BT3)	HOTS (BT4–BT6)
B.Pharm.	60%	40%
Pharm.D	55%	45%
Pharm.D (PB)	50–55%	45–50%
M.Pharm.	40–50%	50–60%

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General Instructions to Faculty for Preparation of Internal Examination Question Papers
(Applicable to B.Pharm., Pharm.D, Pharm.D (Post Baccalaureate) and M.Pharm. Programmes)

To ensure uniformity, transparency, and quality in the assessment process, all faculty members shall prepare Internal Assessment (Mid/Sessional) Question Papers strictly in accordance with the curriculum and regulations prescribed by JNTUA, Pharmacy Council of India (PCI), and the institutional Outcome-Based Education (OBE) policy. The question paper shall comprehensively assess the attainment of Course Outcomes (COs) through appropriate cognitive levels of the Revised Bloom's Taxonomy (RBT) while maintaining academic standards and fairness. The question paper shall be prepared from the prescribed syllabus covered up to the date of examination and should reflect the expected learning outcomes of the course.

General Instructions

1. The question paper shall strictly conform to the JNTUA curriculum, course structure, and examination regulations applicable to the respective programme (B.Pharm., Pharm.D, Pharm.D (PB), and M.Pharm.) and shall cover only the syllabus completed up to the date of examination.
2. Every question shall be mapped to the corresponding Course Outcome (CO) and Bloom's Taxonomy (BT) Level (BT1–BT6). Faculty shall prepare and submit the CO-BT mapping sheet along with the question paper.
3. Questions shall be framed using measurable action verbs based on the Revised Bloom's Taxonomy. Appropriate verbs such as *define, explain, calculate, analyze, evaluate,* and *design* shall be used according to the intended cognitive level. Vague verbs such as *know, understand, learn,* or *appreciate* shall be avoided.
4. The question paper shall contain an appropriate mix of Lower Order Thinking Skills (LOTS) (Remember, Understand and Apply) and Higher Order Thinking Skills (HOTS) (Analyze,

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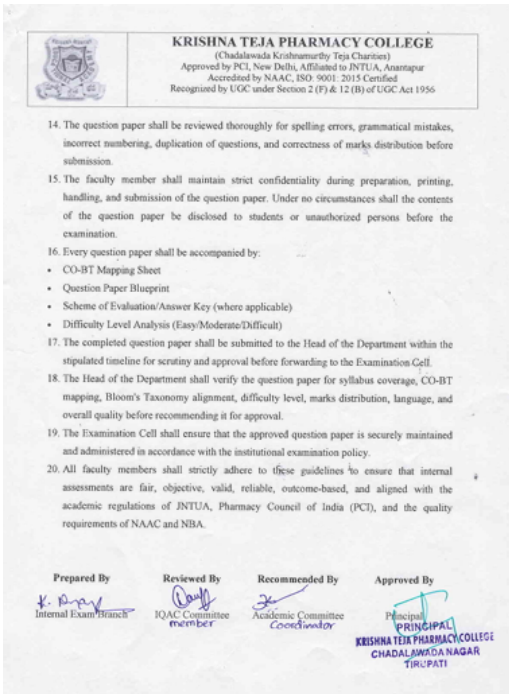


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Evaluate and Create). Faculty should ensure that the paper is not entirely memory-based and includes analytical, application-oriented and problem-solving questions wherever applicable.

5. The difficulty level of the question paper shall be balanced to assess students of varying abilities. Questions shall be categorized as Easy, Moderate and Difficult, ensuring that students are adequately challenged while maintaining fairness.
6. Questions shall be distributed proportionately across all prescribed units covered for the internal examination. Overemphasis on a single topic or unit shall be avoided.
7. The question paper shall include a variety of question types such as short answer questions, descriptive questions, numerical problems, diagrams, flow charts, mechanisms, reaction sequences, data interpretation, case-based questions, and clinical scenarios depending upon the nature of the course.
8. For Pharm.D, Pharm.D (PB), Pharmacy Practice and Clinical subjects, emphasis shall be given to patient-oriented, case-based, evidence-based and clinical problem-solving questions that assess students' clinical reasoning and decision-making abilities.
9. For Pharmaceutical Analysis, Medicinal Chemistry, Pharmaceutics, Pharmaceutical Engineering, Biostatistics and Research Methodology, appropriate numerical problems, calculations, analytical reasoning and interpretation-based questions shall be included wherever applicable.
10. Questions shall be framed in simple, precise and unambiguous language. Compound questions requiring multiple unrelated answers within a single question shall be avoided unless clearly divided into sub-parts.
11. Faculty shall ensure that the marks allotted to each question are commensurate with the expected depth of the answer and the corresponding Bloom's Taxonomy level.
12. Questions shall not be copied verbatim from previous internal or university examination papers. However, standard concepts prescribed in the syllabus may be assessed by framing questions in different contexts and at different cognitive levels.
13. Scientific terminology, nomenclature, units, drug names, chemical structures, equations, and calculations shall be carefully verified before submission of the question paper.

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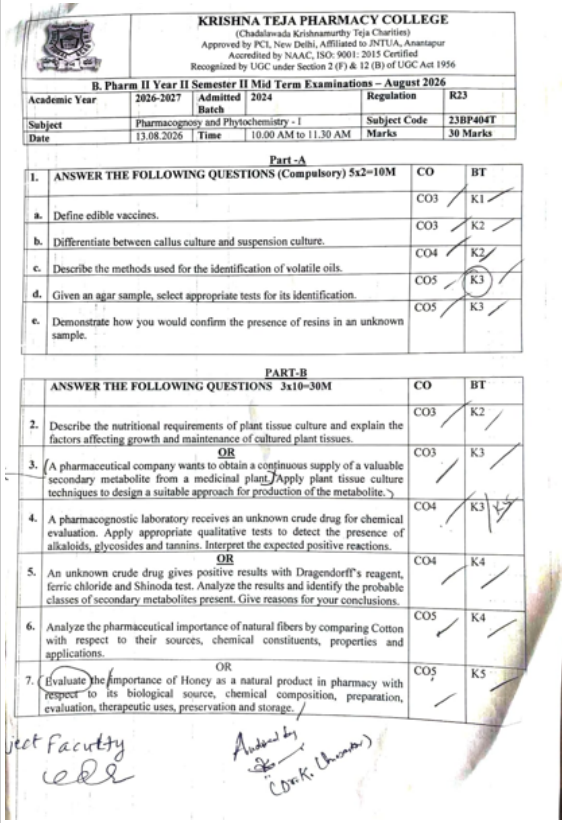


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14. The question paper shall be reviewed thoroughly for spelling errors, grammatical mistakes, incorrect numbering, duplication of questions, and correctness of marks distribution before submission.
15. The faculty member shall maintain strict confidentiality during preparation, printing, handling, and submission of the question paper. Under no circumstances shall the contents of the question paper be disclosed to students or unauthorized persons before the examination.
16. Every question paper shall be accompanied by:
    - CO-BT Mapping Sheet
    - Question Paper Blueprint
    - Scheme of Evaluation/Answer Key (where applicable)
    - Difficulty Level Analysis (Easy/Moderate/Difficult)
17. The completed question paper shall be submitted to the Head of the Department within the stipulated timeline for scrutiny and approval before forwarding to the Examination Cell.
18. The Head of the Department shall verify the question paper for syllabus coverage, CO-BT mapping, Bloom's Taxonomy alignment, difficulty level, marks distribution, language, and overall quality before recommending it for approval.
19. The Examination Cell shall ensure that the approved question paper is securely maintained and administered in accordance with the institutional examination policy.
20. All faculty members shall strictly adhere to these guidelines to ensure that internal assessments are fair, objective, valid, reliable, outcome-based, and aligned with the academic regulations of JNTUA, Pharmacy Council of India (PCI), and the quality requirements of NAAC and NBA.

Prepared By	Reviewed By	Recommended By	Approved By
K. Bhanu			
Internal Exam Branch	IQAC Committee member	Academic Committee Coordinator	Principal PRINCIPAL KRISHNA TEJA PHARMACY COLLEGE CHADALAWADA NAGAR TIRUPATI

The institution ensures CO coverage in internal class tests/mid-term examinations through the **question-paper blueprint and CO-BT mapping**. The blueprint identifies the units assessed, question numbers, marks, relevant COs and cognitive levels. Thus, CO coverage is planned at the question-paper preparation stage and documented along with the assessment. For **R23**, the first midterm examination covers **Units I and II**, while the second midterm examination covers **Units III, IV and V**, as prescribed by the academic regulations.



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B. Pharm II Year II Semester II Mid Term Examinations – August 2026

Academic Year	**2026-2027**	**Admitted Batch**	**2024**	**Regulation**	**R23**
Subject	Pharmacognosy and Phytochemistry - I			**Subject Code**	**23BP404T**
Date	13.08.2026	**Time**	10.00 AM to 11.30 AM	**Marks**	**30 Marks**

Part -A

	ANSWER THE FOLLOWING QUESTIONS (Compulsory) 5x2=10M	**CO**	**BT**
a.	Define edible vaccines.	CO3	K1
b.	Differentiate between callus culture and suspension culture.	CO3	K2
c.	Describe the methods used for the identification of volatile oils.	CO4	K2
d.	Given an agar sample, select appropriate tests for its identification.	CO5	K3
e.	Demonstrate how you would confirm the presence of resins in an unknown sample.	CO5	K3

PART-B

	ANSWER THE FOLLOWING QUESTIONS 3x10=30M	**CO**	**BT**
2.	Describe the nutritional requirements of plant tissue culture and explain the factors affecting growth and maintenance of cultured plant tissues.	CO3	K2
	OR		
3.	A pharmaceutical company wants to obtain a continuous supply of a valuable secondary metabolite from a medicinal plant. Apply plant tissue culture techniques to design a suitable approach for production of the metabolite.	CO3	K3
4.	A pharmacognostic laboratory receives an unknown crude drug for chemical evaluation. Apply appropriate qualitative tests to detect the presence of alkaloids, glycosides and tannins. Interpret the expected positive reactions.	CO4	K3
	OR		
5.	An unknown crude drug gives positive results with Dragendorff's reagent, ferric chloride and Shinoda test. Analyze the results and identify the probable classes of secondary metabolites present. Give reasons for your conclusions.	CO4	K4
6.	Analyze the pharmaceutical importance of natural fibers by comparing Cotton with respect to their sources, chemical constituents, properties and applications.	CO5	K4
	OR		
7.	Evaluate the importance of Honey as a natural product in pharmacy with respect to its biological source, chemical composition, preparation, evaluation, therapeutic uses, preservation and storage.	CO5	K5

Assignments are used as part of continuous assessment and are designed according to the nature of the course and the intended learning outcomes. As applicable to the regulation and course requirements, assignment-based activities may include **slip tests, quizzes,** course-related problem solving, case-based activities, pharmaceutical calculations, seminars/presentations.

2.2.3 Quality of Students projects (15)

Institute Marks : 15.00

The Institute follows a systematic and structured process for the identification, allotment, execution, monitoring and evaluation of final-year B.Pharm. student projects. Project topics are identified considering the students' area of interest, faculty expertise, availability of laboratory facilities, feasibility, pharmaceutical relevance and potential application. Students select project topics in consultation with their respective project supervisors, and faculty members with appropriate qualifications, subject expertise and experience are assigned as project guides. Before allotment, the proposed topics are discussed with the students and supervisors with due consideration to feasibility, availability of resources, time requirements, cost-effectiveness, safety, ethical aspects and relevance to pharmaceutical practice, research and industry.

Depending on the nature and objectives of the work, student projects include research-oriented, application-oriented, formulation and product-development, pharmaceutical analysis, pharmacological/experimental, pharmacy-practice, computational and review-based projects. The projects are selected to provide opportunities for students to apply their pharmaceutical knowledge to practical and research problems and to develop skills in problem identification, literature review, planning, experimental design, data collection, data analysis, interpretation of results and scientific communication. Wherever applicable, students are encouraged to follow relevant pharmacopoeial, regulatory, scientific and professional standards and guidelines. Projects involving laboratory work are undertaken following appropriate laboratory safety practices, handling of chemicals and biological materials and waste-disposal procedures. Wherever applicable, projects involving animals or human participants are carried out after obtaining the required approval from the competent ethical committee and following prescribed ethical guidelines. Students are also encouraged to make effective and economical use of available resources and facilities.

The project activities contribute to the attainment of relevant Programme Outcomes (POs) by enabling students to apply pharmaceutical knowledge, plan and execute project activities, analyze and solve problems, use appropriate laboratory, analytical and computational tools, work individually and in teams, follow professional and ethical practices, communicate scientific information and develop independent learning skills. A project-wise mapping of the POs addressed is maintained based on the actual activities and outcomes of each project, with appropriate justification.

Each student/group is assigned a faculty supervisor who provides continuous academic and technical guidance throughout the project. Regular project discussions, progress reviews and periodic seminars/presentations are conducted to monitor the progress of the work. Students present their literature review, objectives, methodology, progress, experimental work, results and discussion during the review process. Suggestions and corrective measures provided by the supervisors are incorporated to improve the quality and progress of the project. The final project is evaluated based on the quality and relevance of the topic, literature review, clarity of objectives, methodology, practical/experimental work, data collection and analysis, interpretation of results, achievement of objectives, project report, presentation and viva-voce. Project reports are checked for plagiarism/similarity before final submission as per institutional guidelines.

Both individual and team performance are assessed through continuous participation, understanding of the project, individual contribution, practical/experimental skills, problem-solving ability, data analysis, regularity in project activities, teamwork, coordination, quality of documentation, seminar presentation and performance during viva-voce. This ensures that individual contribution is appropriately assessed even when projects are undertaken by groups.

The quality of completed projects is assessed based on their scientific approach, relevance, feasibility, methodology, quality of experimental/practical work, reliability of results, achievement of objectives, practical applicability, safety and ethical considerations. Students are encouraged to relate their project work to practical pharmaceutical applications and available institutional facilities. Industrial visits are arranged to provide students with practical exposure to pharmaceutical manufacturing, quality-control practices, industrial operations and regulatory requirements. Students prepare and submit reports documenting their observations and learning experiences, thereby strengthening the practical and industrial relevance of their learning.

Summary of Student Projects, Faculty Allocation and Periodic Reviews (2023–24 to 2025–26)

Sl. No.	Academic Year	Total No. of Projects	Projects Allotted with Faculty Guides	No. of Periodic Reviews
1	2025–26 (CAY)	19	19	2
2	2024–25 (CAYm1)	18	18	2
3	2023–24 (CAYm2)	20	20	2

Details of Student Projects, PO Mapping and Outcomes for Academic Year 2025-26

Sl. No.	Student Group	Project Title	Project Type	POs Addressed	Student-Oriented Project Outcome
1	Group 1	Neuropharmacological Assessment of Cranberry (*Vaccinium macrocarpon*) Hydroalcoholic Extract in Animal Models of Depression	Research	PO1, PO2, PO3, PO4, PO6, PO7	Gained hands-on experience in experimental pharmacology, animal-model handling, behavioral assessment, data recording and interpretation of pharmacological findings.
2	Group 2	Evaluation of Anti-Diabetic Activity of Hydroalcoholic Extract of *Cymbopogon citratus* in Alloxan-Induced Diabetic Rats	Research	PO1, PO2, PO3, PO4, PO6, PO7	Developed competence in experimental diabetes models, administration of test samples, biochemical assessment and interpretation of antidiabetic activity data.
3	Group 3	Design & Characterization of Oral Nanosuspension of Pitavastatin	Product Development	PO1, PO2, PO3, PO4, PO7	Acquired practical skills in nanosuspension preparation, formulation optimization, physicochemical characterization and evaluation of drug-delivery systems.

4	Group 4	Targeted Brain Delivery of Antiepileptic Agent – Carbamazepine Using Intranasal Nanoemulsion	Product Development	PO1, PO2, PO3, PO4, PO7	Developed practical knowledge of nanoemulsion formulation, optimization and characterization, along with an understanding of intranasal drug-delivery principles.
5	Group 5	Synthesis and Characterization of Antimicrobial Activity of Thiadiazole Derivatives	Research	PO1, PO2, PO3, PO4, PO6, PO7	Developed skills in synthesis of heterocyclic compounds, structural characterization, antimicrobial screening and interpretation of biological activity results.
6	Group 6	Analytical Method Development and Validation for the Estimation of Mycophenolate Sodium in Delayed Release Tablets Using UV-Spectroscopy	Analytical	PO1, PO2, PO3, PO4, PO5	Acquired proficiency in UV-spectrophotometric analysis, preparation of standard solutions, method validation and evaluation of analytical performance parameters.
7	Group 7	A Spectrophotometric Method Based on First Order Derivative Spectroscopy and Absorbance Correction Method for the Simultaneous Quantification of Levocetirizine Dihydrochloride, Montelukast Sodium and Ambroxol Hydrochloride in Bulk and Tablet Dosage Forms	Analytical	PO1, PO2, PO3, PO4, PO5	Developed competence in derivative spectrophotometry, simultaneous drug estimation, analytical data processing and interpretation of multicomponent pharmaceutical analysis.
8	Group 8	Formulation and Evaluation of Nano Hydroxyapatite and Chitosan Toothpaste in Oral Health Care	Product Development	PO1, PO2, PO3, PO4, PO7	Gained practical experience in formulation of oral-care products, incorporation of functional ingredients, product evaluation and interpretation of physicochemical properties.
9	Group 9	Method Development and Validation of UV-Spectrophotometric Estimation of Arbutin in Bulk and Pharmaceutical Dosage Form	Analytical	PO1, PO2, PO3, PO4, PO5	Developed skills in UV-spectrophotometric method development, calibration-curve preparation, validation and quantitative analysis of pharmaceutical samples.
10	Group 10	Vitex Extract Gel – A Novel Topical Anti-Inflammatory Formulation	Product Development	PO1, PO2, PO3, PO4, PO7	Acquired practical knowledge of topical gel formulation, ingredient selection, optimization and evaluation of important physical and pharmaceutical characteristics.
11	Group 11	Influence of Derivatization on AI Generated 3-Benzyl-1H-Pyrazole – An In Silico Study	Computational	PO1, PO2, PO3, PO4, PO5, PO10	Developed competency in computational drug-design techniques, molecular interaction analysis, comparison of structural modifications and interpretation of in-silico results.
12	Group 12	Evaluation of Hepatoprotective Activity of Hydroalcoholic Extract of Cranberry Against Paracetamol-Induced Hepatotoxicity	Research	PO1, PO2, PO3, PO4, PO6, PO7	Gained hands-on experience in experimental hepatotoxicity models, biochemical assessment, data analysis and interpretation of hepatoprotective effects.
13	Group 13	Evaluation of Antiulcer Activity of Ethanolic Extract of Aerial Parts of *Croton bonplandianus*	Research	PO1, PO2, PO3, PO4, PO6, PO7	Developed practical skills in experimental pharmacology, evaluation of ulcer-related parameters, statistical analysis and interpretation of gastroprotective activity.
14	Group 14	Formulation and Evaluation of Whipped Soap Enriched with Tamarind Seeds, Mango Seeds & Butterfly Pea Flowers	Product Development	PO1, PO2, PO3, PO4, PO7	Acquired skills in selection and processing of natural ingredients, personal-care product formulation, optimization and evaluation of product quality attributes.
15	Group 15	Hepatoprotective Activity of *Leucas aspera* Against Rifampicin-Induced Hepatotoxicity in Albino Rats	Research	PO1, PO2, PO3, PO4, PO6, PO7	Developed competency in animal experimentation, assessment of drug-induced toxicity, biochemical evaluation and interpretation of hepatoprotective activity.
16	Group 16	Development of *Phyllanthus niruri* Loaded Polyherbal Gel as a Topical Formulation	Product Development	PO1, PO2, PO3, PO4, PO7	Gained practical experience in herbal formulation development, incorporation of plant extracts into topical systems, optimization and physicochemical evaluation.
17	Group 17	Synthesis, Characterization, Analgesic Activity & Anti-Inflammatory Activity of Aromatic Heterocyclic Compounds Containing Sulfur and Nitrogen	Research	PO1, PO2, PO3, PO4, PO6, PO7	Developed skills in organic synthesis, characterization of synthesized compounds, pharmacological screening, data analysis and correlation of structure with biological activity.
18	Group 18	Development and Validation of UV Spectrometric Method for the Estimation of Ciprofloxacin in Pharmaceutical Dosage Form	Analytical	PO1, PO2, PO3, PO4, PO5	Acquired proficiency in UV-spectrometric analysis, analytical method development, validation and evaluation of accuracy, precision and linearity.

19	Group 19	Phytochemical and Pharmacological Studies of the Endemic Medicinal Plant *Boswellia ovalifoliolata*	Research	PO1, PO2, PO3, PO4, PO6, PO7	Developed practical skills in phytochemical screening, extraction techniques, pharmacological evaluation, scientific data interpretation and literature-based assessment of medicinal plants.

Details of Student Projects, PO Mapping and Outcomes for Academic Year 2024-25

Sl. No.	Student Group	Project Title	Project Type	POs Addressed	Student-Oriented Project Outcome
1	Group 1	Formulation and Evaluation of *Cissus quadrangularis* Extract Loaded Chitosan Based Hydrogels for Wound Healing	Product Development	PO1, PO2, PO3, PO4, PO7	Acquired practical skills in herbal extraction, hydrogel preparation, formulation optimization and evaluation of physicochemical properties.
2	Group 2	Development of Simultaneous Method for Paracetamol and Aspirin by Using UV-Spectroscopy	Analytical	PO1, PO2, PO3, PO4, PO5	Developed proficiency in simultaneous spectrophotometric analysis, calibration procedures, data processing and analytical method optimization.
3	Group 3	Determination of Piperine in Commercial Triphala Tablets by UV Spectroscopy	Analytical	PO1, PO2, PO3, PO4, PO5	Gained hands-on experience in sample preparation, UV analysis, quantitative estimation and interpretation of pharmaceutical assay results.
4	Group 4	Formulation of Soap with Donkey Milk and Goat Milk Comparison with Cow Milk	Product Development	PO1, PO2, PO3, PO4, PO7	Developed skills in personal-care product formulation, selection of formulation ingredients, comparative evaluation and assessment of product quality attributes.
5	Group 5	Evaluation of Hepatoprotective Activity of Ethanolic Flower Extract of *Moringa oleifera*	Research	PO1, PO2, PO3, PO4, PO6, PO7	Gained practical experience in experimental pharmacology, preparation and administration of test extracts, biochemical assessment and interpretation of hepatoprotective activity.
6	Group 6	Formulation and Evaluation of Aloe Vera Herbal Lotion	Product Development	PO1, PO2, PO3, PO4, PO7	Acquired practical knowledge of herbal lotion formulation, ingredient selection, optimization and evaluation of physical and physicochemical characteristics.
7	Group 7	Formulation and Evaluation of Naringin Solid Dispersions Gel	Product Development	PO1, PO2, PO3, PO4, PO7	Developed competence in solid-dispersion preparation, incorporation into gel systems, formulation optimization and evaluation of drug-delivery characteristics.
8	Group 8	Analytical Method Development and Validation of Perampanel in Marketed Formulation as per ICH Guidelines by Using UV-Spectroscopy	Analytical	PO1, PO2, PO3, PO4, PO5	Developed competency in analytical method development, validation according to established guidelines, quantitative analysis and interpretation of validation data.
9	Group 9	Herbal Hair Mask: An Innovative Formula for Treating Dandruff and Hair Fall	Product Development	PO1, PO2, PO3, PO4, PO7	Gained practical experience in herbal product design, selection of functional ingredients, preparation techniques and evaluation of cosmetic formulation characteristics.
10	Group 10	Quantitative Estimation and Validation of Luteolin in Abana Tablets by Using UV Spectroscopy	Analytical	PO1, PO2, PO3, PO4, PO5	Acquired skills in pharmaceutical sample preparation, UV-spectrophotometric quantification, validation procedures and analytical data interpretation.
11	Group 11	Evaluation of Antidepressant Activity of Ethanolic Extract of Leaves of *Rosa indica*	Research	PO1, PO2, PO3, PO4, PO6, PO7	Developed practical competence in experimental pharmacology, animal handling, behavioral assessment, data analysis and interpretation of antidepressant activity.
12	Group 12	Synthesis, Phytochemical Extraction, Characterization of Anti-Inflammatory and Analgesic Activity	Research	PO1, PO2, PO3, PO4, PO6, PO7	Developed skills in extraction and characterization techniques, experimental pharmacological evaluation, scientific data analysis and interpretation of biological activity.
13	Group 13	Evaluation of Antidiarrheal Activity of Ethanolic Extract of *Plectranthus amboinicus* Leaves	Research	PO1, PO2, PO3, PO4, PO6, PO7	Gained hands-on experience in preparation of plant extracts, experimental animal studies, assessment of pharmacological parameters and interpretation of antidiarrheal activity.
14	Group 14	Evaluation of the Anti-Inflammatory, Analgesic and Anti-Pyretic Activities of *Acacia seyal* Root Bark	Research	PO1, PO2, PO3, PO4, PO6, PO7	Acquired practical skills in experimental pharmacology, evaluation of multiple pharmacological responses, statistical analysis and interpretation of experimental findings.
15	Group 15	Mineral Characterization, Formulation and Evaluation of *Gracilaria opuntia* for Nutraceutical Supplements	Research	PO1, PO2, PO3, PO4, PO6, PO7	Developed competence in mineral analysis, characterization of natural materials, formulation principles and evaluation of nutraceutical-related quality parameters.
16	Group 16	Formulation and Evaluation of Herbal Medicated Chewing Gum Containing Galactagogue Property	Product Development	PO1, PO2, PO3, PO4, PO7	Acquired practical skills in medicated chewing-gum formulation, incorporation of herbal ingredients, optimization of formulation variables and product evaluation.
17	Group 17	Formulation, Evaluation and Characterization of Herbal Face Cream	Product Development	PO1, PO2, PO3, PO4, PO7	Developed practical knowledge of cosmetic formulation, selection of excipients, preparation techniques and evaluation of stability and physicochemical properties.
18	Group 18	Evaluating the Antibacterial Activity of Neem and Turmeric Against *Escherichia coli*	Research	PO1, PO2, PO3, PO4, PO6, PO7	Gained practical experience in microbiological techniques, antimicrobial screening, aseptic handling, measurement of microbial inhibition and interpretation of experimental results.

Details of Student Projects, PO Mapping and Outcomes for Academic Year 2023-24

Sl. No.	Student Group	Project Title	Project Type	POs Addressed	Student-Oriented Project Outcome
1	Group 1	Formulation and Evaluation of Transdermal Patches of Diclofenac Sodium	Product Development	PO1, PO2, PO3, PO4, PO7	Acquired practical skills in transdermal formulation, polymer selection, preparation techniques and evaluation of physicochemical and drug-release characteristics.
2	Group 2	Formulation and Evaluation of Herbal Ointment for Anti-Microbial Activity	Product Development	PO1, PO2, PO3, PO4, PO7	Developed competence in herbal ointment preparation, selection of suitable excipients, formulation optimization and evaluation of antimicrobial performance.
3	Group 3	The Effects of Rice Washing Water and Rice Porridge Versus Tap Water on *Capsicum annuum* Plant Growth	Research	PO1, PO2, PO3, PO4, PO6, PO7	Developed skills in experimental design, controlled observation, measurement of plant-growth parameters, data recording and comparative interpretation of results.
4	Group 4	A Study on Dyeing Cotton Fabric with Coconut Shell Dye and Observing Dye Retention with Natural and Chemical Mordants on Fabric Using ATR-FTIR Spectroscopy	Analytical	PO1, PO2, PO3, PO4, PO5	Gained practical exposure to sample preparation, natural-dye treatment, mordant comparison and instrumental analysis using ATR-FTIR, with interpretation of spectral data.
5	Group 5	Solubility Enhancement of Diclofenac Sodium by Solid Dispersion	Product Development	PO1, PO2, PO3, PO4, PO7	Acquired practical knowledge of solid-dispersion techniques, carrier selection, preparation of modified drug systems and evaluation of solubility-related characteristics.
6	Group 6	Hepatoprotective Effect of Total Extract of *Ulva lactuca* Against Bisphenol A in Mice	Research	PO1, PO2, PO3, PO4, PO6, PO7	Developed hands-on experience in experimental toxicology, animal handling, biochemical assessment and interpretation of data related to chemically induced hepatic injury.
7	Group 7	Neuroprotective Effect of Total Extract of *Ulva lactuca* Against Bisphenol A Induced Neurotoxicity in Mice	Research	PO1, PO2, PO3, PO4, PO6, PO7	Gained practical experience in neurotoxicity models, experimental procedures, assessment of neurological parameters and scientific interpretation of pharmacological findings.
8	Group 8	Revitalizing Facial Scrub: An Herbal Formulation for Glowing Skin	Product Development	PO1, PO2, PO3, PO4, PO7	Developed skills in herbal cosmetic formulation, ingredient selection, preparation techniques and evaluation of physical and sensory characteristics of the finished product.
9	Group 9	Evaluation of Antidepressant Activity of Ethanolic Extract of Leaves of *Clitoria ternatea*	Research	PO1, PO2, PO3, PO4, PO6, PO7	Acquired competence in experimental pharmacology, animal-model handling, behavioral assessment, statistical analysis and interpretation of antidepressant-related findings.
10	Group 10	Formulation and Evaluation of Curcumin Nanosponges Gel	Product Development	PO1, PO2, PO3, PO4, PO7	Gained practical experience in nanosponge preparation, incorporation into a gel system, formulation optimization and evaluation of physicochemical properties.
11	Group 11	Assessment of Hepatoprotective Activity of *Tridax procumbens*	Research	PO1, PO2, PO3, PO4, PO6, PO7	Developed skills in plant-extract preparation, experimental pharmacology, assessment of hepatic biochemical parameters and interpretation of hepatoprotective effects.
12	Group 12	Formulation, Evaluation, Phytochemicals and Characterization of Body Scrub Using Peel from Fruit of *Punica granatum* (Pomegranate)	Product Development	PO1, PO2, PO3, PO4, PO7	Acquired practical skills in utilization of plant-based waste materials, cosmetic formulation, phytochemical screening and evaluation of product quality characteristics.
13	Group 13	Formulation & Evaluation of Herbal Hair Serum	Product Development	PO1, PO2, PO3, PO4, PO7	Developed competence in herbal cosmetic formulation, selection of functional ingredients, preparation techniques and evaluation of physicochemical and product-performance parameters.
14	Group 14	Cancer Literacy in Women: A KAP Exploration of Breast and Gynecological Cancers Accompanied by Cross-Sectional Based Online Survey in Tirupati District	Pharmacy Practice	PO1, PO2, PO3, PO5, PO6, PO8	Developed skills in questionnaire design, online survey administration, data collection, statistical analysis and interpretation of knowledge, attitude and practice findings.
15	Group 15	Formulation and Evaluation of Floating Matrix Tablets of Ketoprofen	Product Development	PO1, PO2, PO3, PO4, PO7	Acquired practical knowledge of gastro-retentive dosage-form design, matrix formulation, optimization of formulation variables and evaluation of buoyancy and drug-release characteristics.
16	Group 16	Formulation and Evaluation of Floating Matrix Tablet of Diclofenac Sodium	Product Development	PO1, PO2, PO3, PO4, PO7	Developed practical competence in floating drug-delivery system preparation, polymer selection, formulation optimization and evaluation of in-vitro performance.
17	Group 17	Evaluation of Anti-Ulcer Activity in *Ziziphus oenoplia* Leaves	Research	PO1, PO2, PO3, PO4, PO6, PO7	Gained hands-on experience in preparation of plant extracts, experimental pharmacology, assessment of ulcer-related parameters and interpretation of pharmacological data.

18	Group 18	Synthesis and Evaluation of Analgesic Activity of Pyrimidine Derivatives	Research	PO1, PO2, PO3, PO4, PO6, PO7	Developed skills in organic synthesis, characterization of chemical derivatives, pharmacological screening, data analysis and interpretation of structure–activity relationships.
19	Group 19	In Silico Studies of AI (Artificial Intelligence) Generated Molecules	Computational	PO1, PO2, PO3, PO4, PO5, PO10	Acquired practical competency in computational molecular modelling, virtual screening, molecular interaction analysis and interpretation of in-silico predictions.
20	Group 20	RP-HPLC Method Development and Validation Simultaneously Determination of Abacavir and Lamivudine	Analytical	PO1, PO2, PO3, PO4, PO5	Developed proficiency in RP-HPLC operation, chromatographic method optimization, simultaneous drug estimation and evaluation of analytical validation parameters.

2.2.4 Initiatives related to Industry and/or Hospital interaction (20)

Institute Marks : 20.00

Our College undertakes industry- and hospital-oriented initiatives to provide students with practical exposure, professional interaction and experiential learning in pharmaceutical and healthcare settings. The institution facilitates industrial interaction, hospital exposure, internships, training programmes, expert interactions, guest lectures, workshops and career-oriented activities to supplement classroom learning and familiarize students with current professional practices and workplace requirements.

The institution has established interaction/linkages with pharmaceutical organizations including Falcon Pharmaceuticals, Hyderabad; Atharva Marketing Company, Hubli; Cosmo Pharma, Hyderabad; and Giyaan Pharmaceuticals, Tirupati. These linkages provide opportunities for students to interact with professionals and gain awareness of pharmaceutical industry practices, marketing practices, workplace requirements and career opportunities.

As the institution is affiliated to JNTUA and follows the university-prescribed curriculum, it does not have independent autonomy to design or modify the prescribed programme curriculum. Further, the institution does not have industry-supported laboratories. However, industry/professional expertise is incorporated into the academic process through partial delivery of selected courses by experienced professional experts. In 2023–24, 47 instructional hours of Computer-Aided Drug Design (CADD), BP807ET, B.Pharm. IV Year–II Semester were delivered by an Emeritus Faculty member. In 2025–26, 51 instructional hours of Pharmacovigilance, BP805ET, B.Pharm. IV Year–II Semester were delivered by a Visiting Faculty member. These sessions supplemented regular teaching by providing students with specialized knowledge and application-oriented exposure to contemporary pharmaceutical practices.

The institution facilitates hospital and healthcare interaction through collaborations with Sri Balaji Medical College Hospital and Research Institute, Renigunta; Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati; and Russh Multi Speciality Hospitals, Tirupati. The documented activities include training, internships, clinical/research interaction, research interaction, exchange of expertise, guest lectures, workshops, hospital-based learning, drug information services and patient counselling. Through these initiatives, students gain exposure to healthcare settings, clinical research, hospital pharmacy practices, drug information and patient-oriented services.

The institution has also entered into a Memorandum of Understanding with Suits Care India Pvt. Ltd. for the period 2023–2028 to promote collaboration in the healthcare sector. The MoU provides for student training in health talks, affordable healthcare, road safety, golden-hour trauma care, blood-donation awareness and emergency/lifesaving skills such as BLS, COLS, ACLS and PALS, as applicable. It also provides for internship and placement opportunities, career guidance sessions, clinical training, guest lectures, workshops, health-screening and blood-donation camps. These provisions create opportunities for students to gain practical exposure to healthcare practices, emergency-care skills, professional development and career opportunities in the healthcare sector.

Industrial and hospital interaction activities are implemented through institutional coordination, defined activity schedules, faculty supervision, student participation and interaction with industry and healthcare professionals. Students participate in industrial training, internships, hospital-based learning, expert interactions, guest lectures, workshops and other professional activities, with relevant records such as attendance, activity reports, photographs, certificates and feedback maintained wherever applicable. Industrial and hospital exposure is reinforced through student reports, presentations, discussions and interaction with professionals.

The impact of these initiatives is reflected in students enhanced understanding of pharmaceutical industry practices, hospital pharmacy, drug information, patient counselling, clinical and research practices, emergency healthcare skills, professional responsibilities and workplace requirements. Industry-oriented training and internships provide practical exposure to industrial environments, while hospital collaborations and healthcare-sector initiatives strengthen students understanding of patient-oriented and professional healthcare practices. The expert-led partial delivery of CADD and Pharmacovigilance further provides specialized and application-oriented learning within the university-prescribed academic framework.

Thus, although industry-supported laboratories and institutional-level curriculum design involving industry are not applicable due to the existing institutional framework, Krishna Teja Pharmacy College has established a structured mechanism for industry interaction, professional expert involvement, industrial training and internships, hospital collaboration, clinical exposure, healthcare training and career-oriented interaction. These initiatives supplement the JNTUA-prescribed curriculum and strengthen students practical, professional and experiential learning.

Consolidated Industry and Hospital Interaction Details

Academic Year 2025-26

Slno	Organization	Nature of Interaction	Major Activity	Students Benefited	Impact	Relevant POs Addressed
1	Falcon Pharmaceuticals, Hyderabad	Industry interaction	Industry Visit	26	Awareness of pharmaceutical industry practices and professional requirements	**PO1, PO6, PO10, PO12**
2	Atharva Marketing Company, Hubli	Industry interaction	Interaction related to pharmaceutical marketing and professional practices	26	Awareness of pharmaceutical marketing and workplace practices	**PO1, PO6, PO8, PO10**

3	Cosmo Pharma, Hyderabad	Industry interaction	Industry interaction and exposure	26	Awareness of pharmaceutical industry practices and professional requirements	**PO1, PO6, PO10, PO12**
4	Giyaaṇ Pharmaceuticals, Tirupati	Industry-oriented training	Industry-oriented training	26	Exposure to pharmaceutical industry practices and professional learning	**PO1, PO5, PO6, PO10, PO12**
5	Sri Balaji Medical College Hospital and Research Institute, Renigunta	Hospital collaboration	Training, internship and clinical research interaction	35	Exposure to healthcare settings and clinical research	**PO1, PO2, PO6, PO8, PO10**
6	Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati	Hospital interaction	Research interaction, guest lectures, workshops and exchange of expertise	35	Exposure to research practices and emerging developments	**PO1, PO2, PO3, PO6, PO12**
7	Russh Multi Speciality Hospitals, Tirupati	Hospital collaboration	Hospital-based learning, drug information and patient counselling	34	Exposure to hospital pharmacy and patient-oriented services	**PO1, PO6, PO7, PO8, PO9**
8	Suits Care India Pvt. Ltd.	Healthcare-sector collaboration	Clinical training, internships, career guidance, guest lectures, workshops, health talks and emergency-care training	104	Practical exposure to healthcare practices, emergency skills and career opportunities	**PO1, PO5, PO6, PO7, PO8, PO10**
9	Anka Pharmaceuticals	Expert interaction	Current Good Manufacturing Practice	104	Specialized and application-oriented learning in contemporary pharmaceutical practices	**PO1, PO6, PO7, PO11**

Academic Year 2024-25

Sl no	Organization	Nature of Interaction	Major Activity	Students Benefited	Impact	Relevant POs Addressed
1	Falcon Pharmaceuticals, Hyderabad	Industry interaction	Industry Visit	35	Awareness of pharmaceutical industry practices and professional requirements	**PO1, PO6, PO10, PO12**
2	Atharva Marketing Company, Hubli	Industry interaction	Interaction related to pharmaceutical marketing and professional practices	35	Awareness of pharmaceutical marketing and workplace practices	**PO1, PO6, PO8, PO10**

3	Cosmo Pharma, Hyderabad	Industry interaction	Industry interaction and exposure	35	Awareness of pharmaceutical industry practices and professional requirements	**PO1, PO6, PO10, PO12**
4	Sri Balaji Medical College Hospital and Research Institute, Renigunta	Hospital collaboration	Clinical research interaction	35	Exposure to healthcare settings and clinical research	**PO1, PO2, PO6, PO8, PO10**
5	Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati	Hospital interaction	Research interaction, guest lectures, workshops and exchange of expertise	35	Exposure to research practices and emerging developments	**PO1, PO2, PO3, PO6, PO12**
6	Russh Multi Speciality Hospitals, Tirupati	Hospital collaboration	Hospital-based learning, drug information and patient counselling	35	Exposure to hospital pharmacy and patient-oriented services	**PO1, PO6, PO7, PO8, PO9**
7	Suits Care India Pvt. Ltd.	Healthcare-sector collaboration	Clinical training, internships, career guidance, guest lectures, workshops, health talks and emergency-care training	105	Practical exposure to healthcare practices, emergency skills and career opportunities	**PO1, PO5, PO6, PO7, PO8, PO10**
8	Anka Pharmaceuticals	Expert interaction	Current Good Manufacturing Practice	105	Specialized and application-oriented learning in contemporary pharmaceutical practices	**PO1, PO6, PO7, PO11**

Academic Year 2023-24

SIno	Organization	Nature of Interaction	Major Activity	Students Benefited	Impact	Relevant POs Addressed
1	Falcon Pharmaceuticals, Hyderabad	Industry interaction	Industry Visit	36	Awareness of pharmaceutical industry practices and professional requirements	**PO1, PO6, PO10, PO12**
2	Atharva Marketing Company, Hubli	Industry interaction	Interaction related to pharmaceutical marketing and professional practices	36	Awareness of pharmaceutical marketing and workplace practices	**PO1, PO6, PO8, PO10**
3	Cosmo Pharma, Hyderabad	Industry interaction	Industry interaction and exposure	37	Awareness of pharmaceutical industry practices and professional requirements	**PO1, PO6, PO10, PO12**

4	Sri Balaji Medical College Hospital and Research Institute, Renigunta	Hospital collaboration	Clinical interaction	36	Exposure to healthcare settings and clinical research	**PO1, PO2, PO6, PO8, PO10**
5	Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati	Hospital interaction	Guest lectures, workshops and exchange of expertise	36	Exposure to research practices and emerging developments	**PO1, PO2, PO3, PO6, PO12**
6	Russh Multi Speciality Hospitals, Tirupati	Hospital collaboration	Hospital-based learning, drug information and patient counselling	37	Exposure to hospital pharmacy and patient-oriented services	**PO1, PO6, PO7, PO8, PO9**
7	Suits Care India Pvt. Ltd.	Healthcare-sector collaboration	Clinical training, internships, career guidance, guest lectures, workshops, health talks and emergency-care training	109	Practical exposure to healthcare practices, emergency skills and career opportunities	**PO1, PO5, PO6, PO7, PO8, PO10**
8	Anka Pharmaceuticals	Expert interaction	Current Good Manufacturing Practice	109	Specialized and application-oriented learning in contemporary pharmaceutical practices	**PO1, PO6, PO7, PO11**

2.2.5 Initiatives related to skill Development programs/industry internship/summer training (10)

Institute Marks : 10.00

The Institute facilitates skill-development programmes, industrial visits, summer internships and career-oriented activities to provide students with practical exposure and to bridge the gap between academic learning and professional practice. Soft-skill development programmes, career guidance activities, guest lectures, seminars and workshops are organized periodically to enhance students communication, confidence, teamwork, professional awareness and employability skills. As prescribed under the R23 Regulations, students are required to undergo two summer internships of a minimum duration of 08 weeks each: one at the end of the second year as a Community Service Project and the other at the end of the third year as an Industry Internship. The Community Service Project is undertaken in collaboration with government organizations/NGOs/other appropriate organizations, while the Industry Internship is carried out in collaboration with pharmaceutical industries. The institution facilitates and monitors these internships in accordance with the guidelines issued by APSCHE/University.

Students register for the internship as prescribed in the course structure and undergo the required training. For the Industry Internship, students gain practical exposure to pharmaceutical industrial operations and workplace practices and learn to relate theoretical knowledge to professional applications. Students are required to obtain an industry completion certificate, prepare an internship report and appear for an oral presentation before the departmental committee comprising the Head of the Department, internship supervisor and a senior faculty member. The internship report and oral presentation carry 50% weightage each in the prescribed evaluation, with 50 external marks and no internal marks. A minimum of 40% marks is required for successful completion.

The institution also organizes industrial visits tours to provide students with first-hand exposure to pharmaceutical manufacturing processes, quality-control practices, regulatory aspects and workplace requirements. Students interact with industry personnel and document their learning through visit reports and related academic activities. Also facilitates and monitors the completion of internships, as internship completion is mandatory for the award of the degree. In case of non-completion, students are required to repeat and complete the internship as per the prescribed regulations. Thus, the internship process provides sustained practical exposure and strengthens students professional skills, workplace awareness and employability.

Student feedback is collected for relevant skill-development programmes, industrial visits, internships, guest lectures, seminars and workshops. Feedback focuses on the relevance, practical usefulness, organization, professional exposure and overall benefit of the activities. The feedback and suggestions are reviewed by the concerned faculty/department and are considered for improving subsequent skill-development and industry-oriented activities.

Details of Skill Development Programmes, Industrial Visits and Summer Internship Activities

Sl. No.	Initiative	Target Group	Duration	Implementation	Outcome	Relevant POs
1	Community Service Project – Summer Internship	B.Pharm. students after Second Year	08 weeks	Undertaken with government organizations/NGOs/other organizations; evaluated as per APSCHE/University guidelines	Development of community orientation, professional responsibility and practical learning	PO1, PO6, PO8, PO9, PO10
2	Industry Internship – Summer Internship	B.Pharm. students after Third Year	08 weeks	Conducted in collaboration with pharmaceutical industries; industry certificate, internship report and oral presentation; report and presentation carry 50% weightage each	Practical exposure to industrial operations, workplace practices and application of theoretical knowledge	PO1, PO6, PO10, PO12

Academic Year 2023–2024

Sl. No.	Gap	Action Taken	Date	Resource Person with Designation	Students Present	Relevant POs	Outcome
1	**Career Guidance Activities**	Career and Professional Skills	11.07.2023	Dr. C. Kiran Kumar, Founder, RISE Training, Nellore	150	PO5, PO8, PO11	Strengthened soft skills, professional confidence and career readiness.
2	**Career Guidance Activities**	Employability Skills	26.09.2023	K. Sridhar, Director, Kautilya Institution, Tirupati.	100	PO6, PO7, PO8, PO9	Enhanced employability, personality development, communication and interpersonal skills.

3	**Guest Lecture**	Modern Drug Discovery	18.10.2023	Dr. T. S. Saraswathi, Professor, SRM Faculty of Pharmacy, Chennai	150	PO5, PO8, PO11	Exposed students to contemporary drug-discovery approaches and research-oriented learning.
4	**Career Guidance Programme**	Global Career Pathways	24.01.2024	Mr. Sony Akkara, Executive Director, Eazy Link Academy	150	PO4, PO11	Provided guidance on higher education and global career pathways.

Academic Year 2024–2025

Sl. No.	Gap	Action Taken	Date	Resource Person with Designation	Students Present	Relevant POs	Outcome
1	**Career Guidance Programme**	Webinar on the importance of Professional training and Placement	28.08.2024	Ms Nikitha Jogewar, Associate Manager, Clini India, Banglore.	65	PO6, PO7, PO8, PO9	Sensitized students to professional training, placement preparation and employability requirements.
2	**Workshop**	Workshop on ADR reporting for Patient Safety	23.09.2024	Dr. Meenakshi, MBBS, MD, Associate Professor	100	PO4, PO11	Strengthened awareness and practical understanding of ADR reporting and patient safety.
3	**Career Guidance Programme**	Programme on ethical perspectives and animal-handling techniques in biomedical research	21.10.2024	Dr. Jayaraman Rajangam, M.Pharm., Ph.D., FAGE, Principal-cum-Professor (Pharmacology), Shri Venkateshwara College of Pharmacy, Pondicherry	50	PO6, PO7, PO8, PO9	Enhanced ethical awareness and research-related practical skills.

4	**Career Guidance Programme**	Career guidance programme with SAS demonstration	08.11.2024	Dr. Sai Prakash, Director, Clinipro, Hyderabad	90	PO6, PO7, PO8, PO9	Provided career awareness and exposure to SAS-related professional opportunities.
5	**Workshop**	Demonstration and Practical training on analytical equipment	26.12.2024	Dr. S. Sudeep, Professor, SPMVV-WBIF, Tirupati.	140	PO1, PO2, PO3, PO7	Strengthened practical exposure to analytical techniques and instrumentation.
6	**Guest Lecture**	Guest lecture on cGMP in a formulation plant	19.03.2025	Dr. Anka Rao, Managing Director, Anka Pharmaceuticals, Nellore	150	PO1, PO11	Improved awareness of cGMP requirements and industrial formulation practices.

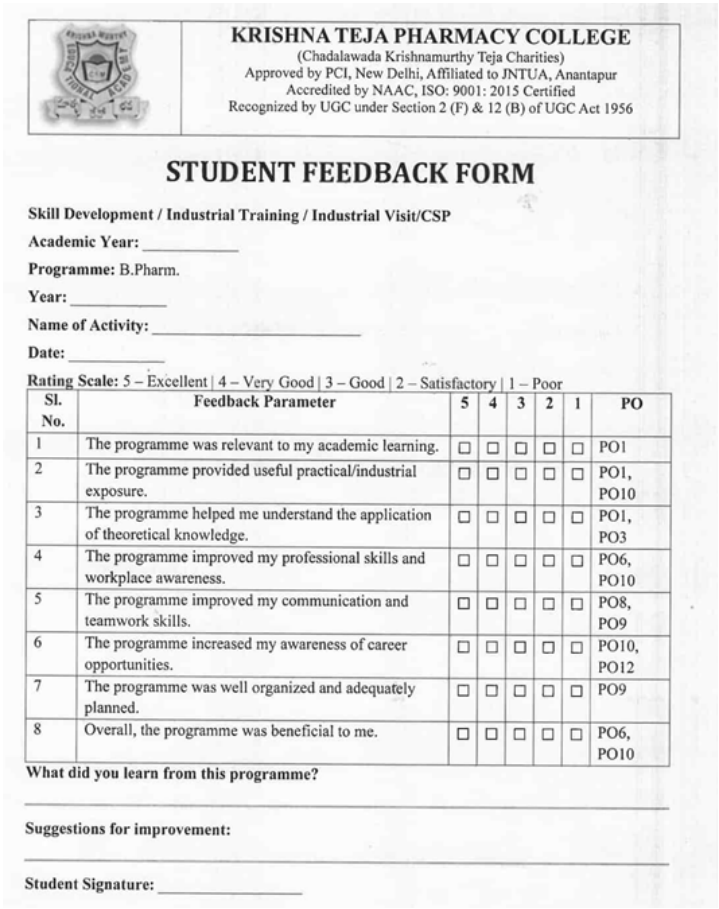
Academic Year 2025–2026

Sl. No.	Gap	Action Taken	Date	Resource Person with Designation	Students Present	Relevant POs	Outcome
1	**Guest Lecture**	Role of Intellectual Property Rights in Pharmaceutical Research	13.11.2025	Mr. K. Kiran, Drug Safety Associate, APCER Life Sciences, Hyderabad	50	PO1, PO6, PO11	Developed awareness of IPR and its relevance to pharmaceutical research and innovation.
2	**Soft Skill Development Programme**	Developed medical education programmes	06.12.2025	Dr. S. Lahoor Basha, Senior Medical Writer, Syneos Health, London, UK	150	PO5, PO6, PO8, PO9	Enhanced communication and professional skills required for academic and professional interactions.
3	**Career Guidance Programme**	Training programme on soft skills, interview preparation, resume writing and career opportunities in pharmacy	17.12.2025	Yogeshwer G, Youth Leader, AI & Data Science Enthusiast, AI Trainer	100	PO5, PO8, PO11	Enhanced interview readiness, resume-writing skills, professional confidence and awareness of pharmacy career opportunities.

4	**Seminar**	Guest lecture on 3D Printing and Bioprinting in Pharma and Ayurveda	29.01.2026	Dr. Mamella Ravi Shankar, IIT Tirupati	150	PO4, PO11	Provided exposure to emerging technologies, innovation and technology-enabled opportunities.
5	**Guest Lecture**	Expert lecture on Drug Discovery and Development: At a Glance	30.01.2026	Dr. Chandriah Godugu, NIPER Hyderabad	140	PO1, PO2, PO3, PO7	Enhanced understanding of drug discovery/ development and related professional opportunities.
6	**Guest Lectures**	Artificial Intelligence in the Pharmaceutical Industry	10.02.2026	Dr. P. Rajesh, Associate Professor, CSE Aligned Branch, Chadalawada Ramanamma Engineering College, Tirupati	50	PO1, PO2, PO3, PO7	Introduced students to AI applications in the pharmaceutical industry and emerging career opportunities.
7	**Soft Skill Development Programme**	Marketing of OTC and Prescription Medicines	18.03.2026	Mr. V. Venkata Ramana, Sales Manager, Intra Life Private Limited	70	PO1, PO2, PO3, PO7	Enhanced awareness of pharmaceutical marketing, sales and business-development practices.
8	**Guest Lecture**	Medicinal Plants and Phytopharmaceuticals	28.03.2026	Dr. Rajendra Prasad, Ayurvedic Production Supervisor, Tirupati	100	PO1, PO2, PO3, PO7	Enhanced awareness of herbal/ phytopharmaceutical products and related professional/ entrepreneurial opportunities.



Sample Student Feedback Form



KRISHNA TEJA PHARMACY COLLEGE
(Chadalawada Krishnamurthy Teja Charities)
Approved by PCI, New Delhi, Affiliated to JNTUA, Anantapur
Accredited by NAAC, ISO: 9001: 2015 Certified
Recognized by UGC under Section 2 (F) & 12 (B) of UGC Act 1956

STUDENT FEEDBACK FORM

Skill Development / Industrial Training / Industrial Visit/CSP

Academic Year: _____

Programme: B.Pharm.

Year: _____

Name of Activity: _____

Date: _____

Rating Scale: 5 – Excellent | 4 – Very Good | 3 – Good | 2 – Satisfactory | 1 – Poor

Sl. No.	Feedback Parameter	5	4	3	2	1	PO
1	The programme was relevant to my academic learning.	☐	☐	☐	☐	☐	PO1
2	The programme provided useful practical/industrial exposure.	☐	☐	☐	☐	☐	PO1, PO10
3	The programme helped me understand the application of theoretical knowledge.	☐	☐	☐	☐	☐	PO1, PO3
4	The programme improved my professional skills and workplace awareness.	☐	☐	☐	☐	☐	PO6, PO10
5	The programme improved my communication and teamwork skills.	☐	☐	☐	☐	☐	PO8, PO9
6	The programme increased my awareness of career opportunities.	☐	☐	☐	☐	☐	PO10, PO12
7	The programme was well organized and adequately planned.	☐	☐	☐	☐	☐	PO9
8	Overall, the programme was beneficial to me.	☐	☐	☐	☐	☐	PO6, PO10

What did you learn from this programme?

_____

Suggestions for improvement:

_____

Student Signature: _____

2.2.6 Continuous Evaluation Process (10)

Institute Marks : 10.00

Our Institute follows a systematic, transparent and continuous evaluation process in accordance with the academic regulations and examination guidelines prescribed by Jawaharlal Nehru Technological University Anantapur (JNTUA). The **R19 and R23 regulations**, as applicable to the respective student batches, are followed. The continuous evaluation system enables regular monitoring of academic performance, identification of learning gaps and timely academic support.

A. JNTUA R23 Academic Regulations – Continuous Evaluation Process

Under the R23 regulations, theory and practical courses are assessed through **30 marks of Continuous Internal Evaluation (CIE) and 70 marks of Semester-End Examination (SEE)**.

1.Theory Courses – Continuous Internal Evaluation (30 Marks)

Two midterm examinations are conducted during the semester. Each midterm examination is evaluated for **30 marks**, comprising:

- **Short-Answer Component – 10 Marks:** Short-answer questions assess conceptual understanding, recall and the ability to present relevant pharmaceutical knowledge concisely.
- **Descriptive Component – 15 Marks:** Either/or type descriptive questions assess understanding, application and analytical interpretation of the prescribed course content. The marks obtained are scaled to 15 marks.
- **Continuous Assignment Component – 5 Marks:** Assignments, mini-projects, quizzes, slip tests, case studies, seminars and other course-specific academic activities are used for continuous assessment.

The first midterm examination covers the prescribed initial units, while the second midterm examination covers the remaining units. The final internal marks from the two midterm examinations are processed using the prescribed **80:20 formula**, giving greater weightage to the better-performing midterm: Final CIE Marks = (Better Midterm × 0.8) + (Other Midterm × 0.2) + Assignment Marks. This approach promotes consistent academic preparation and reduces the impact of an isolated low performance.

2.Practical Courses – Continuous Internal Evaluation (30 Marks)

Practical courses are assessed continuously throughout the semester to monitor laboratory and practical competencies. The 30 internal marks comprise:

- **Day-to-Day Laboratory Evaluation – 15 Marks:** Practical performance, experimental skills, laboratory records, observations, regularity and viva-voce are assessed continuously.
- **Internal Practical Sessional Test – 15 Marks:** Synopsis/procedure, experimental execution, observations/results and viva-voce are assessed through the internal practical examination.

This continuous assessment provides regular opportunities to monitor and improve practical competency.

B. JNTUA R19 Academic Regulations – Continuous Evaluation Process

For students governed by R19 regulations, the prescribed internal assessment and Semester-End Examination system is followed.

1.Theory Courses – Internal Assessment (25 Marks)

The internal assessment comprises:

- **Continuous Mode Assessment – 10 Marks:** Attendance, academic activities and student–teacher interaction.
- **Sessional Examinations – 15 Marks:** Two sessional examinations are conducted during the semester, with marks appropriately scaled and incorporated into the internal assessment.

Continuous academic activities include assignments, quizzes, seminars, group discussions, open-book activities, field-based activities and other course-specific learning activities.

2.Practical Courses – Internal Assessment (15 Marks)

Practical internal assessment comprises:

- **Continuous Mode Evaluation – 5 Marks:** Attendance, laboratory records, viva-voce and day-to-day practical performance.
- **Practical Sessional Examinations – 10 Marks:** Two internal practical examinations are conducted and assessed based on synopsis, experimental performance and viva-voce.

C. Evaluation Structure

Table 2.2.6a – Evaluation Structure under JNTUA R23

Course Type	Assessment Component	Evaluation Method	Maximum Marks
Theory	Continuous Internal Evaluation	Short-answer – 10M + Descriptive – 15M + Continuous Assignment – 5M	30
Theory	Semester-End Examination	University Examination	70
Practical	Continuous Internal Evaluation	Day-to-day Laboratory Evaluation – 15M + Internal Practical Test – 15M	30

Practical	Semester-End Examination	University Practical Examination	70

Table 2.2.6b – Evaluation Structure under JNTUA R19

Course Type	Assessment Component	Evaluation Method	Maximum Marks
Theory	Continuous Internal Evaluation	Continuous Mode – 10M + Sessional Examinations – 15M	25
Theory	Semester-End Examination	University Examination	75
Practical	Continuous Internal Evaluation	Continuous Mode – 5M + Practical Sessional Examinations – 10M	15
Practical	Semester-End Examination	University Practical Examination	35

D. Transparency and Grievance Redressal

Our Institute maintains transparency and fairness throughout the internal evaluation process through the following mechanism:

Step	Process	Responsibility
1.	Question paper preparation and review for syllabus coverage and CO mapping	Course Faculty / Course Coordinator / HOD / Examination Cell
2.	Conduct of internal examinations and continuous assessment activities	Course Faculty / Examination Cell
3.	Evaluation of answer scripts and assessment activities	Course Faculty
4.	Review of evaluated performance and clarification of student queries	Course Faculty
5.	Compilation and verification of internal marks	Course Faculty / HOD / Examination Cell
6.	Identification of students requiring academic support	Course Faculty / HOD / Mentors
7.	Provision of remedial teaching, mentoring and additional academic support	Faculty / Mentors / HOD
8.	Submission of final internal marks through the prescribed university system	Examination Cell

Evaluated answer scripts are made available to students for review as per the institutional examination process. Any discrepancy identified during verification is examined and rectified by the concerned faculty/authority before finalization of internal marks.

E. Outcome-Based Education Integration

The continuous evaluation process is integrated with the **Outcome-Based Education (OBE) framework**. Assessment activities are designed to evaluate the Course Outcomes through appropriate questions and learning activities.

Question papers and assessment activities are reviewed with respect to:

- Syllabus coverage
- Course Outcome (CO) mapping
- Appropriate cognitive levels based on Blooms Taxonomy
- Application and analytical ability
- Practical and technical competency
- Relevant Programme Outcome (PO) alignment

The performance data generated through internal assessment are used for **CO attainment analysis and identification of learning gaps**.

F. Remedial and Academic Support

Continuous evaluation enables early identification of students requiring additional academic support. Following each internal assessment, student performance is reviewed by the concerned faculty and department.

Based on identified learning gaps, appropriate measures include:

- Remedial classes and tutorials
- Additional assignments and practice exercises

- Individual academic counselling
- Faculty mentoring
- Additional practical/laboratory guidance
- Revision and improvement activities
- Follow-up assessment to monitor progress

Students demonstrating higher levels of performance are encouraged through advanced assignments, additional learning activities and opportunities for deeper subject engagement.

G. Effectiveness of the Continuous Evaluation Process

The effectiveness of the evaluation process is assessed using measurable academic indicators:

Evaluation Metric	Indicator of Effectiveness
Internal Assessment Performance	Average marks and pass percentage in internal assessments
CO Attainment	Percentage of students achieving the defined CO target
Performance Improvement	Improvement between successive internal assessments
Practical Competency	Performance in laboratory work, practical examinations, records and viva-voce
Continuous Assessment Participation	Percentage of students completing assignments, quizzes, seminars and other activities
Remedial Effectiveness	Improvement demonstrated by students receiving remedial support
Semester-End Performance	Pass percentage and academic performance in university examinations
Academic Progression	Student progression to the subsequent semester/year
Project Performance	Performance in project reviews, presentations and final project evaluation
Student Feedback	Student perception regarding fairness, transparency and usefulness of the evaluation process

Overall Effectiveness

The continuous evaluation process facilitates **regular monitoring of student learning, timely identification of learning gaps and appropriate academic intervention**. Analysis of internal assessment results, CO attainment, practical performance and semester-end results provides evidence of student progress. The process promotes **regular academic engagement, conceptual understanding, practical competency, analytical ability and application of pharmaceutical knowledge**. Feedback obtained through continuous assessment is used to improve teaching-learning strategies and provide targeted academic support. Thus, the continuous evaluation system functions not merely as a mechanism for awarding internal marks but as a **formative assessment and academic improvement mechanism supporting the attainment of Course Outcomes and Programme Outcomes**.

2.2.7 Quality of Experiments (20) Institute Marks : 20.00

Our Institute ensures the quality of experiments through adequate laboratory equipment, appropriate experimental setup, functional readiness of instruments, standard operating procedures, equipment logbooks, technical support and safety provisions. The laboratories are equipped to conduct the practical experiments prescribed in the B.Pharm curriculum.

Before each practical session, the required instruments, apparatus, chemicals and other requirements are checked for availability and readiness. Faculty members guide students in the correct experimental set-up and demonstrate the operation of instruments wherever required. Students are provided hands-on exposure to the available equipment according to the requirements of the experiment.

SOPs and equipment logbooks are maintained for individual instruments/equipment to ensure proper operation, maintenance and documentation.

- The laboratories have access to both routine and sophisticated pharmaceutical equipment. The **Central Instrumentation Laboratory** includes instruments such as FTIR Spectrometer, HPLC, UV-Visible Spectrophotometer, Colorimeter, Conductivity Meter, Nephelo Turbidity Meter and Flame Photometer.
- The Pharmaceutics and Machine Rooms provide equipment such as Homogenizer, Brookfield Viscometer, Tray Dryer, Dissolution Apparatus, Tablet Punching Machine, Friability Apparatus, Hardness Tester, Sieve Shaker and Capsule Filling Machine.
- The Pharmacology laboratories are equipped with instruments including Rotarod, Actophotometer, Centrifuge, Plethysmograph, Convulsiometer, Haemocytometer and Analgesiometer for conducting prescribed practical and experimental work.

Students are also provided access to postgraduate laboratories and sophisticated instruments for academic and research activities. Technical assistance is provided by laboratory staff whenever required. Laboratories are also made available beyond regular working hours for project and research activities, wherever required.

Faculty members monitor the experimental set-up and instrument operation during practical sessions. The following aspects are checked:

- Correct selection and set-up of equipment and apparatus.
- Proper operation and handling of instruments.
- Accuracy of measurements and observations.
- Adherence to the prescribed experimental procedure.
- Correct recording and calculation of results.
- Proper maintenance of laboratory records.
- Compliance with laboratory safety procedures.

Laboratory facilities are supported by **electrical and plumbing facilities, uninterrupted power supply and appropriate safety provisions**. Depending on the laboratory, safety facilities include fire extinguishers, first-aid kits, fume cupboards, safety goggles and gloves. The laboratory-wise records indicate **availability of manuals and good quality of instruments**, along with appropriate safety measures across the listed laboratories.

Equipment and Experimental Applications

Laboratory Area	Major Equipment	Experimental Use
Pharmaceutical Analysis / Central Instrumentation	UV-Visible Spectrophotometer, FTIR, HPLC, Fluorimeter	Drug estimation, identification and instrumental analysis
Pharmaceutics	Tablet Punching Machine, Dissolution Apparatus, Friability Apparatus, Hardness Tester, Brookfield Viscometer, Tray Dryer, Rotary Evaporator	Formulation and evaluation of pharmaceutical dosage forms
Pharmacology	Rotarod, Actophotometer, Centrifuge, Plethysmograph, Analgesiometer, Trinocular Microscope, Microtome, Biochemistry Analyser	Pharmacological and experimental studies
Pharmaceutical Chemistry	UV Spectrophotometer, TLC Chamber, Digital Melting Point Apparatus, Magnetic Stirrer, Thermostatic Water Bath	Pharmaceutical chemical analysis
Microbiology & Biotechnology	Autoclave, BOD Incubator, Colony Counter, Zone Reader, pH Meter	Microbiological experiments and analysis
Pharmacognosy	Clevenger Apparatus, Soxhlet Apparatus, Muffle Furnace	Extraction and evaluation of crude drugs

Effectiveness

The quality of experiments is monitored through **equipment availability and functionality, adequacy of experimental set-up, availability of SOPs and manuals, equipment logbooks, successful completion of prescribed experiments, faculty observation of instrument operation and student practical performance**. The availability of appropriate equipment, documented operating procedures, technical assistance and functional laboratory facilities ensures that experiments are conducted with **proper equipment set-up, reliable operation and consistent experimental performance**.

3 COURSE OUTCOMES (COS) AND PROGRAM OUTCOMES (POS) (100) Total Marks 100.00

3.1 Establish the correlation between the courses and the Program Outcomes (NBA defined Program Outcomes as mentioned in Annexure I) (20) Total Marks 20.00

3.1.1 Course Outcomes (SAR should include course outcomes of one course from each semester of study, however, should be prepared for all courses) (5)

Institute Marks : 5.00

Note : Number of Outcomes for a Course is expected to be around 6.

Course Name :	C1 01	Course Year :	2025-26

Course Name	Statements
C1 01.1	Explain the structural organization and physiological roles of major organs and systems of the human body
C1 01.2	Analyze the regulatory mechanisms involved in maintaining internal body equilibrium and assess the effects of their dysfunctions
C1 01.3	Distinguish different tissues and organs of human body systems based on morphological and functional characteristics
C1 01.4	Perform laboratory experiments related to nervous functions and special senses and interpret the experimental findings
C1 01.5	Evaluate the coordinated interactions among various organ systems responsible for normal body functioning

Course Name :	C1 13	Course Year :	2025-26

Course Name	Statements
C1 13.1	Explain the structure and physiological functions of the digestive, respiratory, urinary, endocrine, and reproductive systems
C1 13.2	Describe the mechanisms involved in maintaining homeostasis and explain the consequences of their imbalance
C1 13.3	Identify and differentiate the tissues, organs, and components of various human organ systems
C1 13.4	Perform hematological experiments and interpret the results for assessing normal physiological conditions
C1 13.5	Analyze the coordinated functioning of different organ systems in maintaining normal body functions and homeostasis

Course Name :	C2 01	Course Year :	2025-26

Course Name	Statements
C2 01.1	Classify and interpret the structural features, nomenclature, and stereochemical behavior of organic compounds
C2 01.2	Predict the outcomes of organic reactions by applying reaction mechanisms and orientation principles
C2 01.3	Analyze the factors influencing the reactivity and stability of organic molecules and reaction intermediates
C2 01.4	Design and synthesize organic compounds using appropriate synthetic strategies and reaction conditions

Course Name :	C2 10	Course Year :	2025-26

Course Name	Statements
C2 10.1	Interpret stereochemical concepts and apply nomenclature systems to organic compounds
C2 10.2	Analyze geometrical and conformational isomerism and their influence on molecular properties
C2 10.3	Examine the synthesis, reactions, and characteristics of heterocyclic compounds
C2 10.4	Evaluate the pharmaceutical significance and medicinal applications of heterocyclic compounds
C2 10.5	Apply synthetic strategies and reaction mechanisms for the preparation of organic compounds

Course Name :	C3 01	Course Year :	2025-26

Course Name	Statements
C3 01.1	Analyze the relationship between the chemical structure of drugs and their pharmacological activities

C3 01.2	Interpret drug metabolism pathways, therapeutic applications, and adverse effects of medicinal agents
C3 01.3	Evaluate the Structure–Activity Relationships (SAR) of various drug classes to predict their biological activity
C3 01.4	Design and illustrate synthetic pathways for the preparation of selected medicinal compounds

Course Name :	**C3 09**	**Course Year :**	**2025-26**

Course Name	Statements
C3 09.1	Analyze the principles and strategies involved in drug design and development
C3 09.2	Correlate the chemical structure of drugs with their biological and pharmacological activities
C3 09.3	Evaluate the metabolic fate, therapeutic applications, and adverse effects of medicinal agents
C3 09.4	Interpret Structure–Activity Relationships (SAR) to predict and optimize drug activity

Course Name :	**C4 01**	**Course Year :**	**2025-26**

Course Name	Statements
C4 01.1	Analyze the principles of interaction between electromagnetic radiation and matter and their application in pharmaceutical analysis
C4 01.2	Interpret spectroscopic techniques including UV, IR, fluorescence, flame photometry, and atomic absorption for drug analysis
C4 01.3	Evaluate chromatographic and electrophoretic techniques for separation, identification, and analysis of pharmaceutical substances

C4 01.4	Compare and differentiate various analytical instrumentation methods based on their principles, advantages, and limitations
C4 01.5	Apply instrumental analytical techniques for qualitative and quantitative estimation of drugs in pharmaceutical systems

Course Name :	**C4 08**	**Course Year :**	**2025-26**

Course Name	Statements
C4 08.1	Apply statistical software tools such as MS Excel, SPSS, R, and MINITAB® for data handling and analysis
C4 08.2	Analyze statistical techniques to solve pharmaceutical and biomedical research problems
C4 08.3	Design and apply principles of Design of Experiments (DoE) for experimental planning and optimization
C4 08.4	Interpret statistical outputs generated through software tools for meaningful decision-making
C4 08.5	Evaluate the suitability of statistical methods for solving real-world pharmaceutical research problems

3.1.2 CO-PO matrices of courses selected in 3.1.1 (four matrices to be mentioned; one per semester from 1st to 8th semester; atleast one per year) (5) Institute Marks : 5.00

1 . course name : C101

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C101.1	3	-	2	-	-	1	-	-	1	-	2
C101.2	3	-	3	2	-	1	-	-	1	-	2
C101.3	3	-	2	2	-	1	-	-	1	-	2
C101.4	3	1	3	3	-	1	-	2	1	-	2
C101.5	3	-	3	2	1	2	-	2	2	1	2
Average	**3.00**	**1.00**	**3.00**	**2.00**	**1.00**	**1.00**	**0.00**	**2.00**	**1.00**	**1.00**	**2.00**

2 . course name : C113

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C113.1	3	-	2	1	-	3	-	-	2	1	3
C113.2	3	-	3	2	-	3	1	-	3	1	3
C113.3	3	-	2	2	-	3	-	-	2	-	3
C113.4	3	2	3	3	1	3	1	2	3	1	3
C113.5	3	-	3	2	-	3	1	1	3	1	3
Average	**3.00**	**2.00**	**3.00**	**3.00**	**1.00**	**3.00**	**1.00**	**1.00**	**3.00**	**1.00**	**3.00**

3 . course name : C201

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C201.1	3	2	3	2	1	3	2	2	2	1	3
C201.2	3	3	3	2	1	3	2	2	3	1	3
C201.3	3	3	3	2	1	3	2	2	3	1	3
C201.4	3	3	3	3	2	3	2	2	3	2	3
Average	**3.00**	**3.00**	**3.00**	**2.00**	**1.00**	**3.00**	**2.00**	**2.00**	**3.00**	**1.00**	**3.00**

4 . course name : C210

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C210.1	3	-	3	1	-	2	-	1	1	-	3
C210.2	3	1	3	2	-	2	-	1	2	-	3
C210.3	3	2	3	2	-	2	1	1	2	1	3
C210.4	3	1	3	2	-	3	2	1	3	1	3

C210.5	3	3	3	3	1	3	1	1	2	1	3
Average	**3.00**	**1.00**	**3.00**	**2.00**	**1.00**	**2.00**	**1.00**	**1.00**	**2.00**	**1.00**	**3.00**

5 . course name : C301

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C301.1	3	1	3	2	-	3	1	1	3	-	3
C301.2	3	1	3	2	-	3	2	1	3	1	3
C301.3	3	1	3	2	-	3	1	1	3	-	3
C301.4	3	3	3	3	1	3	1	1	2	1	3
Average	**3.00**	**1.00**	**3.00**	**2.00**	**1.00**	**3.00**	**1.00**	**1.00**	**3.00**	**1.00**	**3.00**

6 . course name : C309

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C309.1	3	3	3	3	1	3	1	2	2	1	3
C309.2	3	1	3	3	-	3	1	1	3	-	3
C309.3	3	1	3	2	-	3	3	2	3	1	3
C309.4	3	2	3	3	-	3	2	1	3	1	3
Average	**3.00**	**1.00**	**3.00**	**3.00**	**1.00**	**3.00**	**1.00**	**2.00**	**3.00**	**1.00**	**3.00**

7 . course name : C401

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C401.1	3	2	3	3	-	3	1	2	2	1	3
C401.2	3	2	3	3	-	3	2	2	3	1	3
C401.3	3	3	3	3	-	3	2	2	3	1	3
C401.4	3	3	3	3	-	3	2	3	2	1	3
C401.5	3	3	3	3	1	3	3	3	3	2	3
Average	**3.00**	**3.00**	**3.00**	**3.00**	**1.00**	**3.00**	**2.00**	**2.00**	**3.00**	**1.00**	**3.00**

8 . course name : C408

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C408.1	3	3	3	3	1	3	2	3	2	1	3
C408.2	3	3	3	3	1	3	2	3	3	1	3

C408.3	3	3	3	3	2	3	2	2	3	2	3
C408.4	3	3	3	3	1	3	2	3	3	1	3
C408.5	3	3	3	3	2	3	2	3	3	1	3
Average	**3.00**	**3.00**	**3.00**	**3.00**	**1.00**	**3.00**	**2.00**	**3.00**	**3.00**	**1.00**	**3.00**

3.1.3 Course-PO matrix of courses for all four years of study (10)

Institute Marks : 10.00

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C101	3	1	3	2	1	1	0	2	1	1	2
C102	3	1	3	2	0	1	1	1	1	1	2
C103	3	1	3	2	0	3	2	1	3	1	2
C104	3	1	3	2	0	3	2	1	3	1	2
C105	1	2	2	0	3	3	2	3	2	1	2
C106	0	2	3	2	0	1	0	1	1	1	3
C107	3	2	3	2	1	2	1	2	2	1	3
C108	3	1	3	2	0	2	2	1	1	1	3
C109	3	2	3	2	1	3	1	2	3	1	3
C110	3	2	3	3	1	2	1	1	2	1	3
C111	3	1	3	2	0	3	1	1	3	1	3
C112	3	1	3	1	0	3	1	0	2	2	3
C113	2	2	3	2	0	1	0	1	1	1	3
C114	3	2	3	3	1	2	1	2	2	1	3
C115	3	3	3	2	1	3	2	1	3	1	3
C116	3	2	3	2	1	3	2	1	3	1	3
C117	3	2	3	3	0	3	1	1	3	1	3
C118	3	0	3	2	0	3	1	1	3	1	3
C119	3	2	3	3	1	3	2	2	3	2	3
C120	2	2	3	2	1	2	2	2	3	3	3
C121	3	2	3	3	1	3	1	1	3	1	3
C201	3	3	3	2	1	3	2	2	3	1	3
C202	3	3	3	2	1	3	2	2	3	2	3
C203	3	3	3	3	2	3	3	2	3	2	3
C204	3	3	3	3	2	3	3	2	3	3	3
C205	3	3	3	3	1	3	3	3	3	2	3
C206	3	3	3	3	1	3	2	3	3	2	3
C207	3	3	3	3	2	3	3	2	3	2	3
C208	3	3	3	3	2	3	2	3	3	3	3
C209	1	2	3	1	2	3	3	3	3	2	3
C210	3	1	3	2	1	2	1	1	2	1	3

C211	3	1	3	2	1	3	1	1	3	1	3
C212	3	2	3	3	1	3	2	1	3	1	3
C213	3	2	3	2	1	3	2	2	3	1	3
C214	3	2	3	3	1	3	2	2	3	1	3
C215	3	2	3	3	1	3	3	2	3	1	3
C216	3	2	3	3	1	3	1	1	2	1	3
C217	3	2	3	3	1	3	2	2	3	1	3
C218	3	2	3	3	1	3	2	2	3	1	3
C301	3	1	3	2	1	3	1	1	3	1	3
C302	3	3	3	3	1	3	3	2	3	2	3
C303	3	2	3	3	1	3	2	2	3	1	3
C304	3	3	3	3	1	3	3	2	3	2	3
C305	2	2	3	1	3	3	3	2	3	1	3
C306	3	3	3	3	1	3	3	2	3	2	3
C307	3	2	3	3	1	3	2	2	3	1	3
C308	3	2	3	3	1	3	3	2	3	2	2
C309	3	1	3	3	1	3	1	2	3	1	3
C310	3	2	3	2	1	3	3	2	3	1	3
C311	3	3	3	2	1	3	3	3	3	3	3
C312	3	2	3	3	1	3	3	2	3	1	3
C313	3	3	3	3	1	3	3	2	3	2	3
C314	3	3	3	2	2	3	3	3	3	1	3
C315	3	3	3	3	1	3	2	2	2	2	3
C316	3	2	3	3	1	3	3	2	3	1	3
C317	3	3	3	3	1	3	3	2	3	3	3
C401	3	3	3	3	1	3	2	2	3	1	3
C402	3	3	3	2	2	3	3	3	3	2	3
C403	3	3	3	2	2	3	3	3	3	1	3
C404	3	3	3	3	1	3	2	2	3	2	3
C405	3	3	3	3	1	3	3	2	3	1	3
C406	3	3	3	2	3	3	3	3	3	2	3
C407	0	2	3	1	3	3	3	3	3	2	3

C408	3	3	3	3	1	3	2	3	3	1	3
C409	3	2	3	2	2	3	3	3	3	3	3
C410	3	3	3	2	3	3	3	3	3	1	3
C411	3	3	3	2	2	3	3	3	3	1	3
C412	3	3	3	3	2	3	3	3	3	2	3
C413	3	3	3	3	3	3	2	3	3	2	3
C414	3	3	3	1	2	3	3	3	3	3	3

3.2 Attainment of Course Outcomes (40) Total Marks 40.00

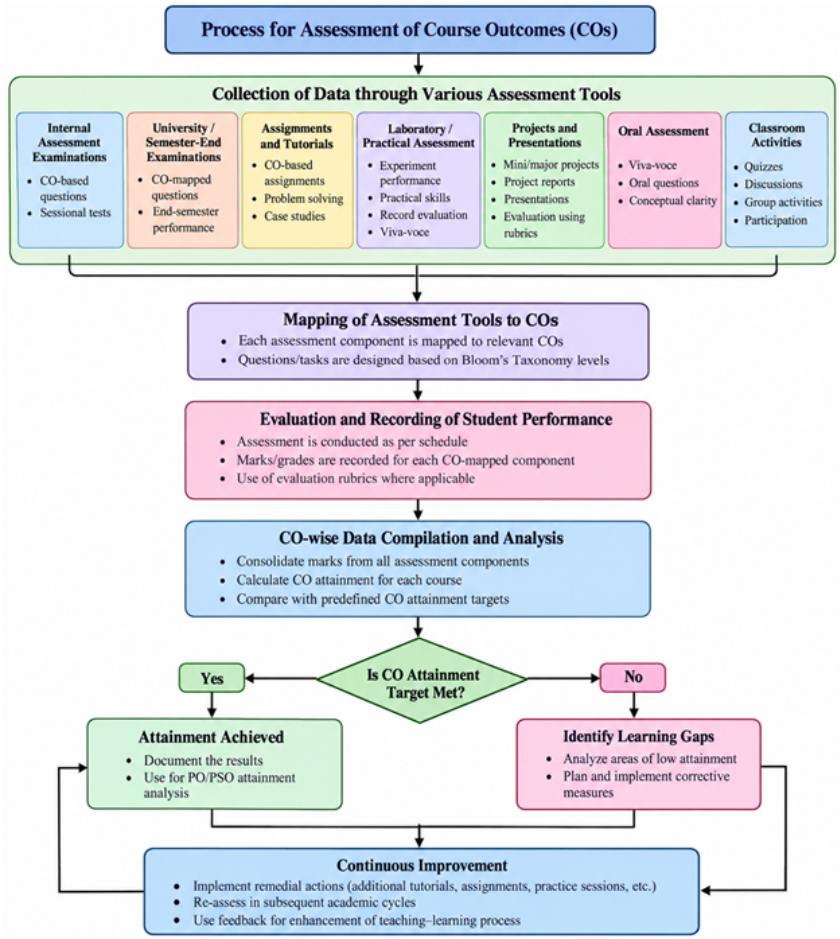
3.2.1 Describe the assessment processes used to gather the data upon which the evaluation of Course Outcome is based (10)

Institute Marks : 10.00

The assessment process used for gathering data for Course Outcome (CO) evaluation is systematic, continuous, and based on multiple direct and indirect assessment methods. The assessment tools are designed to measure the knowledge, skills, application abilities, and competencies specified in the COs of each course.

Assessment Processes Used for CO Evaluation

1. **Internal Assessment Examinations:** Course-specific questions are included in Internal/Sessional Examinations to assess the attainment of COs. Questions are mapped with relevant COs and cognitive levels of Bloom's Taxonomy. The marks obtained by students in CO-mapped questions are used as direct evidence for CO attainment.
2. **University/Semester-End Examinations:** Questions in the University/End-Semester examinations are analyzed and mapped with the respective COs. Student performance in these questions provides additional direct evidence of the extent to which the prescribed course outcomes have been achieved.
3. **Assignments and Tutorials:** CO-based assignments, tutorials, problem-solving exercises, case studies, and written tasks are given to students. These assessments evaluate conceptual understanding, analytical ability, application of knowledge, and independent learning.
4. **Laboratory/Practical Assessment:** Laboratory courses are assessed through practical examinations, experiment performance, observation of practical skills, record maintenance, calculations, interpretation of results, and viva-voce. Each experiment is linked with predetermined skills and relevant COs to ensure that practical competencies are systematically developed and assessed.
5. **Laboratory Records and Continuous Evaluation:** Laboratory records, experimental observations, results, calculations, discussions, and conclusions are periodically evaluated. Continuous laboratory assessment provides evidence of students ability to perform experiments accurately and interpret experimental findings.
6. **Projects and Project Presentations:** Major projects, seminars, presentations, and project reports are evaluated using predefined rubrics. Assessment includes problem identification, literature review, application of subject knowledge, methodology, analysis, interpretation, communication, and presentation skills.
7. **Viva-Voce Assessment:** Oral questions are used to assess students conceptual clarity, understanding of fundamental principles, ability to explain concepts, and application of knowledge. Viva-voce is particularly useful in practical courses and project evaluation.
8. **Classroom Activities and Continuous Assessment:** Student participation in discussions, quizzes, problem-solving activities, presentations, group activities, and other classroom exercises is used as supporting evidence for CO attainment. These activities enable continuous monitoring of students learning progress.
9. **Assessment Rubrics:** Standardized rubrics are used wherever appropriate for evaluating assignments, laboratory performance, projects, presentations, seminars, and other activities. The rubrics contain clearly defined performance criteria corresponding to the expected learning outcomes.
10. **CO-wise Data Analysis:** Marks obtained from all relevant assessment components are compiled and analyzed CO-wise. The performance of students is compared with predefined CO attainment targets. The consolidated results are used to determine the level of attainment of individual COs and subsequently contribute to PO attainment analysis.



3.2.2 Record the attainment of Course Outcomes of all courses with respect to set attainment levels (30)

Institute Marks : 30.00

Academic Year : 2024-25 (Year of Admission: 2021 Year of Graduation: 2024-2025)

Sl. No	Course	Course code	Exam	Number of Students appeared	No. Of students scored ≥45% in externals and 65% in internals	% of students achieved target	Attainment level	Weightage	Cours
1	Human Anatomy & Physiology-I	C101	SEE	103	68	66.02	1	0.75	
			CIE	103	98	95.15	3	0.75	
2	Pharmaceutical Analysis	C102	SEE	103	76	68.00	1	0.75	
			CIE	103	90	87.60	3	0.75	
3	Pharmaceutics-I	C103	SEE	103	67	65.05	1	0.75	
			CIE	103	90	87.38	3	0.75	
4	Pharmaceutical Inorganic Chemistry	C104	SEE	103	72	69.90	2	1.5	
			CIE	103	78	75.73	2	0.5	
5	Communication Skills	C105	SEE	103	86	83.50	3	2.25	
			CIE	103	99	96.12	3	0.75	
7	Remedial Mathematics	C106	SEE	103	65	63.11	1	0.75	
			CIE	103	76	73.79	2	0.5	
8	Human Anatomy & Physiology Lab	C107	SEE	103	92	89.32	3	2.25	
			CIE	103	85	82.52	3	0.75	
9	Pharmaceutical Analysis Lab	C108	SEE	103	98	95.15	3	2.25	
			CIE	103	85	82.52	3	0.75	
10	Pharmaceutics-I Lab	C109	SEE	103	92	89.32	3	2.25	
			CIE	103	82	79.61	3	0.75	
11	Pharmaceutical Inorganic Chemistry Lab	C110	SEE	103	97	94.17	3	2.25	
			CIE	103	89	86.41	3	0.75	
12	Communication Skills Lab	C111	SEE	103	98	95.15	3	2.25	
			CIE	103	99	96.12	3	0.75	
13	Human Anatomy & Physiology-II	C112	SEE	103	81	78.64	2	1.5	
			CIE	103	89	86.41	3	0.75	
14	Pharmaceutical Organic Chemistry-I	C113	SEE	103	54	52.43	0	0	
			CIE	103	93	90.29	3	0.75	
15	Biochemistry	C114	SEE	103	48	46.60	0	0	
			CIE	103	78	75.73	2	0.5	
16	Pathophysiology	C115	SEE	103	54	52.43	0	0	
			CIE	103	82	79.61	3	0.75	
17	Computer Applications in Pharmacy	C116	SEE	103	76	73.79	2	1.5	

			CIE	103	92	89.32	3	0.75
18	Environmental Sciences	C117	SEE	103	74	71.84	2	1.5
			CIE	103	92	89.32	3	0.75
19	HAP-II Lab	C118	SEE	103	80	77.67	2	1.5
			CIE	103	95	92.23	3	0.75
20	POC-I Lab	C119	SEE	103	79	76.70	2	1.5
			CIE	103	92	89.32	3	0.75
21	Biochemistry Lab	C120	SEE	103	79	76.70	2	1.5
			CIE	103	86	83.50	3	0.75
22	Computer Applications Lab	C121	SEE	103	78	75.73	2	1.5
			CIE	103	86	83.50	3	0.75
23	Pharmaceutical Organic Chemistry-II	C201	SEE	102	76	74.51	2	1.5
			CIE	102	82	80.39	3	0.75
24	Physical Pharmaceutics-I	C202	SEE	102	67	65.69	1	0.75
			CIE	102	96	94.12	3	0.75
25	Pharmaceutical Microbiology	C203	SEE	102	62	60.78	1	0.75
			CIE	102	98	96.08	3	0.75
26	Pharmaceutical Engineering	C204	SEE	102	65	63.73	1	0.75
			CIE	102	95	93.14	3	0.75
27	Pharmaceutical Organic Chemistry-II Lab	C205	SEE	102	79	77.45	2	1.5
			CIE	102	96	94.12	3	0.75
28	Physical Pharmaceutics-I Lab	C206	SEE	102	89	87.25	3	2.25
			CIE	102	95	93.14	3	0.75
29	Pharmaceutical Microbiology Lab	C207	SEE	102	90	88.24	3	2.25
			CIE	102	98	96.08	3	0.75
30	Pharmaceutical Engineering Lab	C208	SEE	102	78	76.47	2	1.5
			CIE	102	98	96.08	3	0.75
31	Universal Human Values	C209	CIE	102	90	88.24	3	3
32	Pharmaceutical Organic Chemistry-III	C210	SEE	102	81	79.41	2	1.5
			CIE	102	90	88.24	3	0.75
33	Medicinal Chemistry-I	C211	SEE	102	54	52.94	0	0
			CIE	102	95	93.14	3	0.75
34	Physical Pharmaceutics-II	C212	SEE	102	67	65.69	1	0.75
			CIE	102	85	83.33	3	0.75

35	Pharmacology-I	C213	SEE	102	61	59.80	1	0.75
			CIE	102	72	70.59	2	0.5
36	Pharmacognosy & Phytochemistry-I	C214	SEE	102	74	72.55	2	1.5
			CIE	102	86	84.31	3	0.75
37	Medicinal Chemistry-III Lab	C215	SEE	102	87	85.29	3	2.25
			CIE	102	75	73.53	2	0.5
38	Physical Pharmaceutics-II Lab	C216	SEE	102	89	87.25	3	2.25
			CIE	102	82	80.39	3	0.75
39	Pharmacology-I Lab	C217	SEE	102	78	76.47	2	1.5
			CIE	102	88	86.27	3	0.75
40	Pharmacognosy & Phytochemistry-I Lab	C218	SEE	102	76	74.51	2	1.5
			CIE	102	92	90.20	3	0.75
41	Medicinal Chemistry-II	C301	SEE	96	61	63.54	1	0.75
			CIE	102	87	85.29	3	0.75
42	Industrial Pharmacy-I	C302	SEE	96	65	67.71	1	0.75
			CIE	102	82	80.39	3	0.75
43	Pharmacology-II	C303	SEE	93	66	70.97	2	1.5
			CIE	102	89	87.25	3	0.75
44	Pharmacognosy & Phytochemistry-II	C304	SEE	93	59	63.44	1	0.75
			CIE	102	76	74.51	2	0.5
45	Pharmaceutical Jurisprudence	C305	SEE	98	62	63.27	1	0.75
			CIE	102	71	69.61	1	0.25
46	Industrial Pharmacy-I Lab	C306	SEE	95	69	72.63	2	1.5
			CIE	102	76	74.51	2	0.5
47	Pharmacology-II Lab	C307	SEE	97	89	91.75	3	2.25
			CIE	102	78	76.47	2	0.5
48	Pharmacognosy & Phytochemistry-II Lab	C308	SEE	97	67	69.07	2	1.5
			CIE	102	89	87.25	3	0.75
49	Medicinal Chemistry-III	C309	SEE	97	61	62.89	1	0.75
			CIE	100	97	97.00	3	0.75
50	Pharmacology-III	C310	SEE	97	78	80.41	3	2.25
			CIE	100	99	99.00	3	0.75
51	Herbal Drug Technology	C311	SEE	97	88	90.72	3	2.25
			CIE	100	99	99.00	3	0.75

52	Biopharmaceutics & Pharmacokinetics	C312	SEE	96	75	78.13	2	1.5
			CIE	100	99	99.00	3	0.75
53	Pharmaceutical Biotechnology	C313	SEE	96	79	82.29	3	2.25
			CIE	100	98	98.00	3	0.75
54	Pharmaceutical Quality Assurance	C314	SEE	97	86	88.66	3	2.25
			CIE	100	99	99.00	3	0.75
55	Medicinal Chemistry-III Lab	C315	SEE	97	96	98.97	3	2.25
			CIE	100	99	99.00	3	0.75
56	Pharmacology-III Lab	C316	SEE	97	96	98.97	3	2.25
			CIE	100	98	98.00	3	0.75
57	Herbal Drug Technology Lab	C317	SEE	97	96	98.97	3	2.25
			CIE	100	97	97.00	3	0.75
58	Instrumental Methods of Analysis	C401	SEE	95	76	80.00	3	2.25
			CIE	102	80	78.43	2	0.5
59	Industrial Pharmacy-II	C402	SEE	98	87	88.78	3	2.25
			CIE	102	78	76.47	2	0.5
60	Pharmacy Practice	C403	SEE	98	78	79.59	3	2.25
			CIE	102	82	80.39	3	0.75
61	Novel Drug Delivery Systems	C404	SEE	97	83	85.57	3	2.25
			CIE	102	82	80.39	3	0.75
62	Instrumental Methods of Analysis Lab	C405	SEE	96	95	98.96	3	2.25
			CIE	102	99	97.06	3	0.75
63	Practice School	C406	SEE	97	95	97.94	3	2.25
			CIE	102	95	93.14	3	0.75
64	Constitution of India	C407	SEE	—	—	0.00	0	0
			CIE	102	102	100.00	3	3
65	Biostatistics & Research Methodology	C408	SEE	102	81	79.41	2	1.5
			CIE	102	78	76.47	2	0.5
66	Social & Preventive Pharmacy	C409	SEE	102	72	70.59	2	1.5
			CIE	102	92	90.20	3	0.75
67	Pharmacovigilance	C410	SEE	102	87	85.29	3	2.25
			CIE	102	92	90.20	3	0.75
68	Cosmetic Science	C411	SEE	102	96	94.12	3	2.25
			CIE	102	95	93.14	3	0.75

69	Project Work	C412	SEE	102	78	76.47	2	1.5	
			CIE	102	85	83.33	3	0.75	
70	Advanced Instrumentation Techniques	C413	SEE	102	72	70.59	2	0.5	
			CIE	102	85	83.33	3	2.25	

Academic Year : 2023-24 (Year of Admission: 2020 Year of Graduation: 2023-2024)

Sl. No	Course	Course code	Exam	Number of Students appeared	No. Of students scored ≥45% in externals and 65% in internals	% of students achieved target	Attainment level	Weightage	Course
1	Human Anatomy & Physiology-I	C101	SEE	106	99	93.40	3	2.25	
			CIE	106	98	92.45	3	0.75	
2	Pharmaceutical Analysis	C102	SEE	106	56	68.00	1	0.75	
			CIE	106	98	87.60	3	0.75	
3	Pharmaceutics-I	C103	SEE	106	98	92.45	3	2.25	
			CIE	106	98	92.45	3	0.75	
4	Pharmaceutical Inorganic Chemistry	C104	SEE	106	86	81.13	3	2.25	
			CIE	106	98	92.45	3	0.75	
5	Communication Skills	C105	SEE	106	72	67.92	1	0.75	C
			CIE	106	53	50.00	0	0	
7	Remedial Mathematics	C106	SEE	106	41	38.68	0	0	
			CIE	106	75	70.75	2	0.5	
8	Human Anatomy & Physiology Lab	C107	SEE	106	90	84.91	3	2.25	
			CIE	106	85	80.19	3	0.75	
9	Pharmaceutical Analysis Lab	C108	SEE	106	95	89.62	3	2.25	
			CIE	106	90	84.91	3	0.75	
10	Pharmaceutics-I Lab	C109	SEE	106	96	90.57	3	2.25	2
			CIE	106	82	77.36	2	0.5	
11	Pharmaceutical Inorganic Chemistry Lab	C110	SEE	106	88	83.02	3	2.25	2
			CIE	106	75	70.75	2	0.5	
12	Communication Skills Lab	C111	SEE	106	64	60.38	1	0.75	1
			CIE	106	82	77.36	2	0.5	
13	Human Anatomy & Physiology-II	C112	SEE	106	77	72.64	2	1.5	2
			CIE	106	91	85.85	3	0.75	
14	Pharmaceutical Organic Chemistry-I	C113	SEE	106	52	49.06	0	0	
			CIE	106	80	75.47	2	0.5	
15	Biochemistry	C114	SEE	106	72	67.92	1	0.75	1

			CIE	106	80	75.47	2	0.5	
16	Pathophysiology	C115	SEE	106	76	71.70	2	1.5	2
			CIE	106	89	83.96	3	0.75	
17	Computer Applications in Pharmacy	C116	SEE	106	87	82.08	3	2.25	
			CIE	106	98	92.45	3	0.75	
18	Environmental Sciences	C117	SEE	106	79	74.53	2	1.5	1
			CIE	106	66	62.26	1	0.25	
19	HAP-II Lab	C118	SEE	106	76	71.70	2	1.5	2
			CIE	106	99	93.40	3	0.75	
20	POC-I Lab	C119	SEE	106	68	64.15	1	0.75	
			CIE	106	71	66.98	1	0.25	
21	Biochemistry Lab	C120	SEE	106	65	61.32	1	0.75	
			CIE	106	64	60.38	1	0.25	
22	Computer Applications Lab	C121	SEE	106	64	60.38	1	0.75	1
			CIE	106	79	74.53	2	0.5	
23	Pharmaceutical Organic Chemistry-II	C201	SEE	105	84	80.00	3	2.25	
			CIE	106	73	68.87	1	0.25	
24	Physical Pharmaceutics-I	C202	SEE	105	76	72.38	2	1.5	2
			CIE	106	91	85.85	3	0.75	
25	Pharmaceutical Microbiology	C203	SEE	105	61	58.10	0	0	0
			CIE	106	95	89.62	3	0.75	
26	Pharmaceutical Engineering	C204	SEE	105	86	81.90	3	2.25	
			CIE	106	92	86.79	3	0.75	
27	Pharmaceutical Organic Chemistry-II Lab	C205	SEE	105	55	52.38	0	0	
			CIE	106	80	75.47	2	0.5	
28	Physical Pharmaceutics-I Lab	C206	SEE	105	82	78.10	2	1.5	1
			CIE	106	73	68.87	1	0.25	
29	Pharmaceutical Microbiology Lab	C207	SEE	105	91	86.67	3	2.25	2
			CIE	106	80	75.47	2	0.5	
30	Pharmaceutical Engineering Lab	C208	SEE	105	64	60.95	1	0.75	
			CIE	106	84	79.25	3	0.75	
31	Universal Human Values	C209	CIE	106	96	90.57	3	3	
32	Pharmaceutical Organic Chemistry-III	C210	SEE	104	72	69.23	2	1.5	2
			CIE	106	92	86.79	3	0.75	

33	Medicinal Chemistry-I	C211	SEE	104	58	55.77	0	0	0
			CIE	106	85	80.19	3	0.75	
34	Physical Pharmaceutics-II	C212	SEE	105	81	77.14	2	1.5	2
			CIE	106	94	88.68	3	0.75	
35	Pharmacology-I	C213	SEE	106	78	73.58	2	1.5	2
			CIE	106	99	93.40	3	0.75	
36	Pharmacognosy & Phytochemistry-I	C214	SEE	104	84	80.77	3	2.25	2
			CIE	106	78	73.58	2	0.5	
37	Medicinal Chemistry-III Lab	C215	SEE	104	85	81.73	3	2.25	
			CIE	106	90	84.91	3	0.75	
38	Physical Pharmaceutics-II Lab	C216	SEE	104	95	91.35	3	2.25	
			CIE	106	90	84.91	3	0.75	
39	Pharmacology-I Lab	C217	SEE	104	92	88.46	3	2.25	
			CIE	106	85	80.19	3	0.75	
40	Pharmacognosy & Phytochemistry-I Lab	C218	SEE	104	88	84.62	3	2.25	2
			CIE	106	76	71.70	2	0.5	
41	Medicinal Chemistry-II	C301	SEE	104	36	34.62	0	0	
			CIE	106	75	70.75	2	0.5	
42	Industrial Pharmacy-I	C302	SEE	104	45	43.27	0	0	
			CIE	106	76	71.70	2	0.5	
43	Pharmacology-II	C303	SEE	105	55	52.38	2	1.5	
			CIE	106	74	69.81	2	0.5	
44	Pharmacognosy & Phytochemistry-II	C304	SEE	106	64	60.38	1	0.75	1
			CIE	106	78	73.58	2	0.5	
45	Pharmaceutical Jurisprudence	C305	SEE	104	70	67.31	1	0.75	1
			CIE	106	75	70.75	2	0.5	
46	Industrial Pharmacy-I Lab	C306	SEE	104	90	86.54	3	2.25	
			CIE	106	86	81.13	3	0.75	
47	Pharmacology-II Lab	C307	SEE	104	85	81.73	3	2.25	
			CIE	106	72	67.92	1	0.25	
48	Pharmacognosy & Phytochemistry-II Lab	C308	SEE	104	89	85.58	3	2.25	
			CIE	106	95	89.62	3	0.75	
49	Medicinal Chemistry-III	C309	SEE	104	45	43.27	0	0	0
			CIE	106	65	61.32	1	0.25	

50	Pharmacology-III	C310	SEE	104	58	55.77	0	0	0
			CIE	106	85	80.19	3	0.75	
51	Herbal Drug Technology	C311	SEE	105	46	43.81	0	0	0
			CIE	106	85	80.19	3	0.75	
52	Biopharmaceutics & Pharmacokinetics	C312	SEE	106	36	33.96	0	0	
			CIE	106	75	70.75	2	0.5	
53	Pharmaceutical Biotechnology	C313	SEE	104	64	61.54	1	0.75	
			CIE	106	69	65.09	1	0.25	
54	Pharmaceutical Quality Assurance	C314	SEE	104	59	56.73	0	0	
			CIE	106	76	71.70	2	0.5	
55	Medicinal Chemistry-III Lab	C315	SEE	104	73	70.19	2	1.5	2
			CIE	106	85	80.19	3	0.75	
56	Pharmacology-III Lab	C316	SEE	104	87	83.65	3	2.25	2
			CIE	106	79	74.53	2	0.5	
57	Herbal Drug Technology Lab	C317	SEE	106	85	80.19	3	2.25	
			CIE	104	94	90.38	3	0.75	
58	Instrumental Methods of Analysis	C401	SEE	105	68	64.76	1	0.75	1
			CIE	108	79	73.15	2	0.5	
59	Industrial Pharmacy-II	C402	SEE	105	72	68.57	1	0.75	1
			CIE	108	84	77.78	2	0.5	
60	Pharmacy Practice	C403	SEE	105	76	72.38	2	1.5	2
			CIE	108	96	88.89	3	0.75	
61	Novel Drug Delivery Systems	C404	SEE	104	76	73.08	2	1.5	2
			CIE	108	89	82.41	3	0.75	
62	Instrumental Methods of Analysis Lab	C405	SEE	106	89	83.96	3	2.25	2
			CIE	108	77	71.30	2	0.5	
63	Practice School	C406	SEE	108	76	70.37	2	1.5	2
			CIE	108	96	88.89	3	0.75	
64	Constitution of India	C407	SEE	0		0.00	0	0	
			CIE	108	78	72.22	3	3	
65	Biostatistics & Research Methodology	C408	SEE	107	72	67.29	1	0.75	1
			CIE	108	83	76.85	2	0.5	
66	Social & Preventive Pharmacy	C409	SEE	107	77	71.96	2	1.5	2
			CIE	108	92	85.19	3	0.75	

67	Pharmacovigilance	C410	SEE	108	68	62.96	1	0.75	
			CIE	108	87	80.56	3	0.75	
68	Cosmetic Science	C411	SEE	107	75	70.09	2	1.5	2
			CIE	108	90	83.33	3	0.75	
69	Project Work	C412	SEE	109	83	76.15	2	1.5	2
			CIE	106	97	91.51	3	0.75	
70	Advanced Instrumentation Techniques	C413	SEE	2	1	50.00	0	0	2
			CIE	2	2	100.00	3	2.25	
71	Cell & Molecular Biology	C414	SEE	1	1	100.00	3	0.75	
			CIE	1	1	100.00	3	2.25	

Academic Year : 2022-23 (Year of Admission: 2019 Year of Graduation: 2022-2023)

Sl. No	Course	Course code	Exam	Number of Students appeared	No. Of students scored ≥45% in externals and 65% in internals	% of students achieved target	Attainment level	Weightage
1	Human Anatomy & Physiology-I	C101	SEE	93	62	66.67	1	0.75
			CIE	93	82	88.17	3	0.75
2	Pharmaceutical Analysis	C102	SEE	93	90	68.00	1	0.75
				93	90	87.60	3	0.75
3	Pharmaceutics-I	C103	SEE	93	67	72.04	2	1.5
			CIE	93	89	95.70	3	0.75
4	Pharmaceutical Inorganic Chemistry	C104	SEE	93	69	74.19	2	1.5
			CIE	93	90	96.77	3	0.75
5	Communication Skills	C105	SEE	93	58	62.37	1	0.75
			CIE	93	85	91.40	3	0.75
7	Remedial Mathematics	C106	SEE	93	45	48.39	0	0
			CIE	93	75	80.65	3	0.75
8	Human Anatomy & Physiology Lab	C107	SEE	93	75	80.65	3	2.25
			CIE	93	80	86.02	3	0.75
9	Pharmaceutical Analysis Lab	C108	SEE	93	66	70.97	2	1.5
			CIE	93	80	86.02	3	0.75
10	Pharmaceutics-I Lab	C109	SEE	93	75	80.65	3	2.25
			CIE	93	80	86.02	3	0.75
11	Pharmaceutical Inorganic Chemistry Lab	C110	SEE	93	56	60.22	1	0.75
			CIE	93	82	88.17	3	0.75
12	Communication Skills Lab	C111	SEE	93	70	75.27	2	1.5

			CIE	93	85	91.40	3	0.75
13	Human Anatomy & Physiology-II	C112	SEE	93	76	81.72	3	2.25
			CIE	93	89	95.70	3	0.75
14	Pharmaceutical Organic Chemistry-I	C113	SEE	93	65	69.89	2	1.5
			CIE	93	78	83.87	3	0.75
15	Biochemistry	C114	SEE	93	64	68.82	1	0.75
			CIE	93	74	79.57	2	0.5
16	Pathophysiology	C115	SEE	93	59	63.44	1	0.75
			CIE	93	71	76.34	2	0.5
17	Computer Applications in Pharmacy	C116	SEE	93	77	82.80	3	2.25
			CIE	93	70	75.27	2	0.5
18	Environmental Sciences	C117	SEE	93	91	97.85	3	2.25
			CIE	93	70	75.27	2	0.5
19	HAP-II Lab	C118	SEE	93	90	96.77	3	2.25
			CIE	93	87	93.55	3	0.75
20	POC-I Lab	C119	SEE	93	90	96.77	3	2.25
			CIE	93	76	81.72	3	0.75
21	Biochemistry Lab	C120	SEE	93	91	97.85	3	2.25
			CIE	93	90	96.77	3	0.75
22	Computer Applications Lab	C121	SEE	93	65	69.89	2	1.5
			CIE	93	85	91.40	3	0.75
23	Pharmaceutical Organic Chemistry-II	C201	SEE	93	72	77.42	2	1.5
			CIE	93	88	94.62	3	0.75
24	Physical Pharmaceutics-I	C202	SEE	93	68	73.12	2	1.5
			CIE	93	85	91.40	3	0.75
25	Pharmaceutical Microbiology	C203	SEE	93	61	65.59	1	0.75
			CIE	93	86	92.47	3	0.75
26	Pharmaceutical Engineering	C204	SEE	93	74	79.57	3	2.25
			CIE	93	87	93.55	3	0.75
27	Pharmaceutical Organic Chemistry-II Lab	C205	SEE	93	91	97.85	3	2.25
			CIE	93	75	80.65	3	0.75
28	Physical Pharmaceutics-I Lab	C206	SEE	93	65	69.89	3	2.25
			CIE	93	70	75.27	3	0.75
29	Pharmaceutical Microbiology Lab	C207	SEE	93	82	88.17	3	2.25

			CIE	93	84	90.32	3	0.75
30	Pharmaceutical Engineering Lab	C208	SEE	93	89	95.70	3	2.25
			CIE	93	83	89.25	3	0.75
31	Universal Human Values	C209	CIE	93	85	91.40	3	3
32	Pharmaceutical Organic Chemistry-III	C210	SEE	92	70	76.09	2	1.5
			CIE	92	88	95.65	3	0.75
33	Medicinal Chemistry-I	C211	SEE	92	66	71.74	2	1.5
			CIE	92	86	93.48	3	0.75
34	Physical Pharmaceutics-II	C212	SEE	92	69	75.00	2	1.5
			CIE	92	84	91.30	3	0.75
35	Pharmacology-I	C213	SEE	92	73	79.35	2	1.5
			CIE	92	87	94.57	3	0.75
36	Pharmacognosy & Phytochemistry-I	C214	SEE	92	76	82.61	3	2.25
			CIE	92	89	96.74	3	0.75
37	Medicinal Chemistry-III Lab	C215	SEE	92	80	86.96	3	2.25
			CIE	92	84	91.30	3	0.75
38	Physical Pharmaceutics-II Lab	C216	SEE	92	89	96.74	3	2.25
			CIE	92	80	86.96	3	0.75
39	Pharmacology-I Lab	C217	SEE	92	91	98.91	3	2.25
			CIE	92	85	92.39	3	0.75
40	Pharmacognosy & Phytochemistry-I Lab	C218	SEE	92	70	76.09	2	1.5
			CIE	92	85	92.39	3	0.75
41	Medicinal Chemistry-II	C301	SEE	92	63	68.48	1	0.75
			CIE	92	72	78.26	2	0.5
42	Industrial Pharmacy-I	C302	SEE	92	48	52.17	0	0
			CIE	92	85	92.39	3	0.75
43	Pharmacology-II	C303	SEE	92	61	66.30	1	0.75
			CIE	92	81	88.04	3	0.75
44	Pharmacognosy & Phytochemistry-II	C304	SEE	92	75	81.52	3	2.25
			CIE	92	89	96.74	3	0.75
45	Pharmaceutical Jurisprudence	C305	SEE	92	62	67.39	1	0.75
			CIE	92	84	91.30	3	0.75
46	Industrial Pharmacy-I Lab	C306	SEE	92	92	100.00	3	2.25
			CIE	92	75	81.52	3	0.75

47	Pharmacology-II Lab	C307	SEE	92	62	67.39	1	0.75
			CIE	92	75	81.52	3	0.75
48	Pharmacognosy & Phytochemistry-II Lab	C308	SEE	92	67	72.83	2	1.5
			CIE	92	77	83.70	3	0.75
49	Medicinal Chemistry-III	C309	SEE	92	61	66.30	1	0.75
			CIE	92	77	83.70	3	0.75
50	Pharmacology-III	C310	SEE	92	78	84.78	3	2.25
			CIE	92	79	85.87	3	0.75
51	Herbal Drug Technology	C311	SEE	92	88	95.65	3	2.25
			CIE	92	69	75.00	2	0.5
52	Biopharmaceutics & Pharmacokinetics	C312	SEE	92	75	81.52	3	2.25
			CIE	92	79	85.87	3	0.75
53	Pharmaceutical Biotechnology	C313	SEE	92	79	85.87	3	2.25
			CIE	92	82	89.13	3	0.75
54	Pharmaceutical Quality Assurance	C314	SEE	92	86	93.48	3	2.25
			CIE	92	75	81.52	3	0.75
55	Medicinal Chemistry-III Lab	C315	SEE	92	62	67.39	1	0.75
			CIE	92	85	92.39	3	0.75
56	Pharmacology-III Lab	C316	SEE	92	76	82.61	3	2.25
			CIE	92	77	83.70	3	0.75
57	Herbal Drug Technology Lab	C317	SEE	92	48	52.17	0	0
			CIE	92	80	86.96	3	0.75
58	Instrumental Methods of Analysis	C401	SEE	92	84	91.30	3	2.25
			CIE	92	82	89.13	3	0.75
59	Industrial Pharmacy-II	C402	SEE	92	56	60.87	1	0.75
			CIE	92	74	80.43	2	0.5
60	Pharmacy Practice	C403	SEE	92	86	93.48	3	2.25
			CIE	92	77	83.70	2	0.5
61	Novel Drug Delivery Systems	C404	SEE	92	82	89.13	3	2.25
			CIE	92	72	78.26	2	0.5
62	Instrumental Methods of Analysis Lab	C405	SEE	92	85	92.39	3	2.25
			CIE	92	82	89.13	3	0.75
63	Practice School	C406	SEE	92	85	92.39	3	2.25
			CIE	92	90	97.83	3	0.75

64	Constitution of India	C407	SEE	92	—	#VALUE!	0	0
			CIE	92	80	86.96	3	3
65	Biostatistics & Research Methodology	C408	SEE	92	81	88.04	3	2.25
			CIE	92	75	81.52	3	0.75
66	Social & Preventive Pharmacy	C409	SEE	92	80	86.96	3	2.25
			CIE	92	68	73.91	2	0.5
67	Pharmacovigilance	C410	SEE	90	66	73.33	2	1.5
			CIE	90	75	83.33	3	0.75
68	Cosmetic Science	C411	SEE	92	67	72.83	2	1.5
			CIE	92	70	76.09	2	0.5
69	Project Work	C412	SEE	92	75	81.52	3	2.25
			CIE	92	—		3	0.75
70	Advanced Instrumentation Techniques	C413	SEE	92	67	72.83	2	0.5
			CIE	92	85	92.39	3	2.25
71	Cell & Molecular Biology	C414	SEE	2	1	50.00	0	0
			CIE	2	2	100.00	3	2.25

3.3 Attainment of Program Outcomes (40) Total Marks 40.00

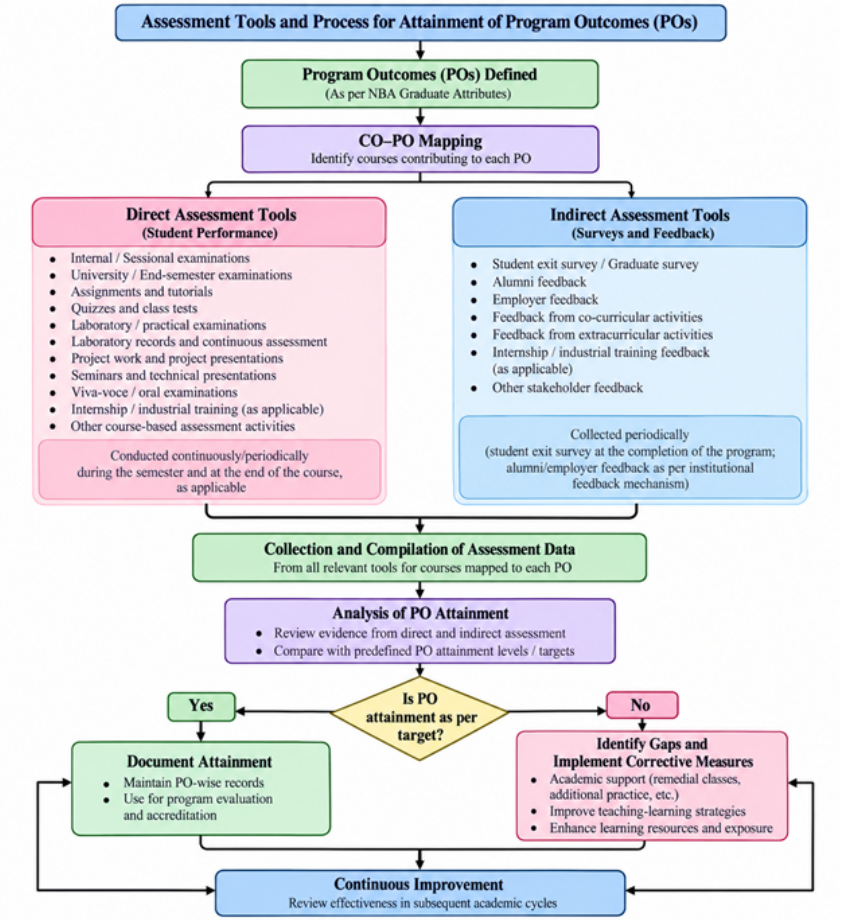
3.3.1 Describe assessment tools and processes used for assessing the attainment of each PO (10) Institute Marks : 10.00

The program uses a **systematic combination of direct and indirect assessment tools** to assess the attainment of each Program Outcome (PO). The assessment tools are selected based on their ability to generate measurable evidence of students knowledge, skills, application abilities, professional competencies, communication skills, teamwork, problem-solving ability and other attributes specified in the POs.

Direct assessment tools include Continuous Internal Examination (CIE), Semester End examinations (SEE), assignments, tutorials, quizzes, class tests, laboratory/practical examinations, laboratory records, project work, project presentations, seminars, viva-voce, internships/industrial training activities. The questions, tasks and activities are aligned with the Course Outcomes (COs), and the CO–PO mapping is used to identify the contribution of each course to the respective POs. These assessments are conducted periodically throughout the semester and at the end of the course, as applicable.

Indirect assessment tools include student exit surveys, alumni feedback, employer feedback and feedback related to co-curricular and extracurricular activities, wherever applicable. These tools provide supporting evidence regarding students perceived achievement of the POs and their preparedness for higher studies, employment and professional practice. Student exit surveys are generally conducted at the completion of the program, while alumni/employer feedback is collected periodically as per the institutional feedback mechanism.

The assessment data generated through these tools are **compiled, analyzed and documented PO-wise**. The program-level Course–PO matrix is used to identify the courses contributing to each PO, and the attainment evidence is reviewed against the predefined PO attainment levels/targets. The results are used to identify gaps in PO achievement and to initiate appropriate corrective measures and continuous improvement in the teaching-learning and assessment processes.



3.3.2 Provide results of evaluation of each PO (30) Institute Marks : 30.00

PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C101	2.20	0.73	2.20	1.47	0.73	0.73	0	1.47	0.73	0.73	1.47
C102	2.19	0.73	2.19	1.46	0	0.73	0.73	0.73	0.73	0.73	1.46
C103	2.12	0.71	2.12	1.41	0	2.12	1.41	0.71	2.12	0.71	1.41
C104	2.14	0.71	2.14	1.43	0	2.14	1.43	0.71	2.14	0.71	1.43
C105	0.87	1.73	1.73	0	2.6	2.6	1.73	2.6	1.73	0.87	1.73
C106	0	1.32	1.97	1.32	0	0.66	0	0.66	0.66	0.66	1.97
C107	2.63	1.75	2.63	1.75	0.88	1.75	0.88	1.75	1.75	0.88	2.63
C108	2.76	0.92	2.76	1.84	0	1.84	1.84	0.92	0.92	0.92	2.76
C109	2.61	1.74	2.61	1.74	0.87	2.61	0.87	1.74	2.61	0.87	2.61
C110	2.77	1.84	2.77	2.77	0.92	1.84	0.92	0.92	1.84	0.92	2.77
C111	2.86	0.95	2.86	1.91	0	2.86	0.95	0.95	2.86	0.95	2.86
C112	2.42	0.81	2.42	0.81	0	2.42	0.81	0	1.61	1.61	2.42
C113	1.24	1.24	1.86	1.24	0	0.62	0	0.62	0.62	0.62	1.86
C114	1.62	1.08	1.62	1.62	0.54	1.08	0.54	1.08	1.08	0.54	1.62
C115	1.78	1.78	1.78	1.18	0.59	1.78	1.18	0.59	1.78	0.59	1.78
C116	2.33	1.55	2.33	1.55	0.78	2.33	1.55	0.78	2.33	0.78	2.33
C117	2.29	1.52	2.29	2.29	0	2.29	0.76	0.76	2.29	0.76	2.29
C118	2.44	0	2.44	1.63	0	2.44	0.81	0.81	2.44	0.81	2.44
C119	2.40	1.60	2.40	2.40	0.80	2.40	1.60	1.60	2.40	1.60	2.40
C120	1.57	1.57	2.35	1.57	0.78	1.57	1.57	1.57	2.35	2.35	2.35
C121	1.55	1.55	2.33	1.55	0.78	1.55	1.55	1.55	2.33	2.33	2.33
C201	2.28	2.28	2.28	1.52	0.76	2.28	1.52	1.52	2.28	0.76	2.28
C202	2.18	2.18	2.18	1.46	0.73	2.18	1.46	1.46	2.18	1.46	2.18
C203	2.09	2.09	2.09	2.09	1.39	2.09	2.09	1.39	2.09	1.39	2.09
C204	2.13	2.13	2.13	2.13	1.42	2.13	2.13	1.42	2.13	2.13	2.13
C205	2.45	2.45	2.45	2.45	0.82	2.45	2.45	2.45	2.45	1.63	2.45
C206	2.66	2.66	2.66	2.66	0.89	2.66	1.77	2.66	2.66	1.77	2.66
C207	2.71	2.71	2.71	2.71	1.80	2.71	2.71	1.80	2.71	1.80	2.71
C208	2.44	2.44	2.44	2.44	1.63	2.44	1.63	2.44	2.44	2.44	2.44
C209	1	2	3	1	2	3	3	3	3	2	3

C210	2.45	0.82	2.45	1.63	0.82	1.63	0.82	0.82	1.63	0.82	2.45
C211	1.89	0.63	1.89	1.26	0.63	1.89	0.63	0.63	1.89	0.63	1.89
C212	2.10	1.4	2.1	2.1	0.7	2.1	1.4	0.7	2.1	0.7	2.1
C213	1.88	1.25	1.88	1.25	0.63	1.88	1.25	1.25	1.88	0.63	1.88
C214	2.26	1.51	2.26	2.26	0.75	2.26	1.51	1.51	2.26	0.75	2.26
C215	2.47	1.65	2.47	2.47	0.82	2.47	2.47	1.65	2.47	0.82	2.47
C216	2.57	1.71	2.57	2.57	0.86	2.57	0.86	0.86	1.71	0.86	2.57
C217	2.37	1.58	2.37	2.37	0.79	2.37	1.58	1.58	2.37	0.79	2.37
C218	2.35	1.57	2.35	2.35	0.78	2.35	1.57	1.57	2.35	0.78	2.35
C301	2.07	0.69	2.07	1.38	0.69	2.07	0.69	0.69	2.07	0.69	2.07
C302	2.13	2.13	2.13	2.13	0.71	2.13	2.13	1.42	2.13	1.42	2.13
C303	2.25	1.50	2.25	2.25	0.75	2.25	1.50	1.50	2.25	0.75	2.25
C304	1.99	1.99	1.99	1.99	0.66	1.99	1.99	1.32	1.99	1.32	1.99
C305	1.30	1.30	1.95	0.65	1.95	1.95	1.95	1.30	1.95	0.65	1.95
C306	2.19	2.19	2.19	2.19	0.73	2.19	2.19	1.46	2.19	1.46	2.19
C307	2.64	1.76	2.64	2.64	0.88	2.64	1.76	1.76	2.64	0.88	2.64
C308	2.21	1.47	2.21	2.21	0.74	2.21	2.21	1.47	2.21	1.47	2.21
C309	2.14	0.71	2.14	2.14	0.71	2.14	0.71	1.43	2.14	0.71	2.14
C310	2.55	1.70	2.55	1.70	0.85	2.55	2.55	1.70	2.55	0.85	2.55
C311	2.78	2.78	2.78	1.86	0.93	2.78	2.78	2.78	2.78	2.78	2.78
C312	2.50	1.67	2.50	2.50	0.83	2.50	2.50	1.67	2.50	0.83	2.50
C313	2.59	2.59	2.59	2.59	0.86	2.59	2.59	1.72	2.59	1.72	2.59
C314	2.74	2.74	2.74	1.82	1.82	2.74	2.74	2.74	2.74	0.91	2.74
C315	2.97	2.96	2.96	2.96	0.99	2.96	1.97	1.97	1.97	1.97	2.96
C316	2.96	1.97	2.96	2.96	0.99	2.96	2.96	1.97	2.96	0.99	2.96
C317	2.95	2.95	2.95	2.95	0.98	2.95	2.95	1.97	2.95	2.95	2.95
C401	2.39	2.39	2.39	2.39	0.80	2.39	1.59	1.59	2.39	0.80	2.39
C402	2.57	2.57	2.57	1.71	1.71	2.57	2.57	2.57	2.57	1.71	2.57
C403	2.39	2.39	2.39	1.60	1.60	2.39	2.39	2.39	2.39	0.80	2.39
C404	2.53	2.53	2.53	2.53	0.84	2.53	1.69	1.69	2.53	1.69	2.53
C405	2.95	2.95	2.95	2.95	0.98	2.95	2.95	1.97	2.95	0.98	2.95
C406	2.90	2.90	2.90	1.93	2.90	2.90	2.90	2.90	2.90	1.93	2.90

C407	2.81	2	3	1	3	3	3	3	3	2	3
C408	2.36	2.36	2.36	2.36	0.79	2.36	1.57	2.36	2.36	0.79	2.36
C409	2.26	1.51	2.26	1.51	1.51	2.26	2.26	2.26	2.26	2.26	2.26
C410	2.60	2.60	2.60	1.73	2.60	2.60	2.60	2.60	2.60	0.87	2.60
C411	2.82	2.82	2.82	1.88	1.88	2.82	2.82	2.82	2.82	0.94	2.82
C412	2.35	2.35	2.35	2.35	1.56	2.35	2.35	2.35	2.35	1.56	2.35
C413	2.21	2.21	2.21	2.21	2.21	2.21	1.48	2.21	2.21	1.48	2.21
C414	2.21	2.21	2.21	0.74	1.47	2.21	2.21	2.21	2.21	2.21	2.21

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Direct Attainment	2.31	1.82	2.39	1.93	1.14	2.24	1.80	1.64	2.20	1.22	2.35
InDirect Attainment	2.97	2.98	2.98	2.96	2.97	2.98	2.98	2.98	2.99	3	2.97
PO Attainment	2.44	2.05	2.51	2.14	1.51	2.39	2.04	1.91	2.36	1.58	2.47

4 STUDENTS' PERFORMANCE (180)

Total Marks 136.76

Total Marks 18.00

Table 4.1

Item	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
Sanctioned intake of the program(N)	110	110	110	110	110	110	110
Total number of students admitted in first year (N1)	100	79	105	103	102	106	93
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	0	2	1	1	1	2	0
Total number of students admitted in the programme(N1 + N2)	100	81	106	104	103	108	93

4.1 Enrolment Ratio (20)

Institute Marks : 18.00

	N (From Table 4.1)	N1 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2025-26	110	100	90.91
2024-25	110	76	69.09
2023-24	110	100	90.91

Average [(ER1 + ER2 + ER3) / 3] : 83.64

Assessment : 18.00

4.2 Success Rate in the stipulated period of the program (50)

Total Marks 27.70

Table 4.2

Year of entry	Number of students admitted in 1st year + admitted via lateral entry in 2nd year (N1 + N2)	Number of students who have successfully graduated without backlogs in any year of study (Without backlog means no compartment/failure in any semester/year of study)			
		I year	II year	III year	IV year
2025-26 (CAY)	100				
2024-25 (CAYm1)	81	74			
2023-24 (CAYm2)	106	77	65		
2022-23 (CAYm3)	104	56	48	44	
2021-22 (LYG)	103	59	57	53	51
2020-21 (LYGm1)	108	53	49	42	39
2019-20 (LYGm2)	93	51	47	39	29

Table 4.3

Year of entry	Number of students admitted in 1st year + admitted via lateral entry in 2nd year (N1 + N2)	Number of students who have successfully graduated in stipulated period of study) [Total of with Backlog + without Backlog]			
		I year	II year	III year	IV year
2025-26 (CAY)	100				
2024-25 (CAYm1)	81	77			
2023-24 (CAYm2)	106	87	79		
2022-23 (CAYm3)	104	86	82	76	
2021-22 (LYG)	103	88	80	79	77
2020-21 (LYGm1)	108	99	92	91	88
2019-20 (LYGm2)	93	88	80	80	78

4.2.1 Success rate without backlogs in any year of study (30)

Institute Marks : 11.70

Item	Latest Year of Graduation, LYG (2021-22)	Latest Year of Graduation minus 1, LYGm1 (2020-21)	Latest Year of Graduation minus 2 LYGm2 (2019-20)
X Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry	103.00	108.00	93.00
Y Number of students who have graduated without backlogs in the stipulated period	51.00	39.00	29.00
Success Index [SI = Y / X]	0.50	0.36	0.31

Average SI [(SI1 + SI2 + SI3) / 3] : 0.39

Assessment = 30 * Average SI : 11.70

4.2.2 Success rate in stipulated period (20) Institute Marks : 16.00

Item	Latest Year of Graduation, LYG (2021-22)	Latest Year of Graduation minus 1, LYGm1 (2020-21)	Latest Year of Graduation minus 2 LYGm2 (2019-20)
X Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry	103.00	108.00	93.00
Y Number of students who have graduated in the stipulated period	77.00	88.00	78.00
Success Index [SI = Y / X]	0.75	0.81	0.84

Average SI[(SI1 + SI2 + SI3) / 3] : 0.80

Assessment = 20 * Average SI : 16.00

Note : If 100% students clear without any backlog then also total marks scored will be 40 as both 4.2.1 & 4.2.2 will be applicable simultaneously.

4.3 Academic Performance in Final Year (10) Total Marks 7.50

Institute Marks : 7.50

Academic Performance	2021-22 (LYG)	2020-21 (LYGm1)	2019-20 (LYGm2)
Mean of CGPA or mean percentage of all successful students(X)	7.76	7.97	7.41
Total number of successful students(Y)	77.00	88.00	78.00
Totalnumber of students appeared in the examination(Z)	79.00	91.00	80.00
API [X*(Y/Z)]:	7.56	7.71	7.22

Average API [(AP1 + AP2 + AP3)/3] : 7.50

Academic Performance = Average API = [(AP1 + AP2 + AP3)/3] : 7.50

4.4 Academic Performance in Third Year (10) Total Marks 7.47

Institute Marks : 7.47

Academic Performance	CAYm3 (2022-23)	LYG (2021-22)	LYGm1 (2020-21)
Mean of CGPA or mean percentage of all successful students(X)	7.28	7.96	7.89
Total number of successful students (Y)	76.00	79.00	91.00
Total number of students appeared in the examination (Z)	82.00	80.00	92.00
API [X * (Y/Z)]	6.75	7.86	7.80

Average API [(AP1 + AP2 + AP3)/3] : 7.47

Academic Performance = Average API [(AP1 + AP2 + AP3)/3] : 7.47

4.5 Academic Performance in Second Year (10)

Total Marks 6.22

Institute Marks : 6.22

Academic Performance	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (LYG)
Mean of CGPA or mean percentage of all successful students(X)	7.61	6.26	6.60
Total number of successful students(Y)	79.00	82.00	80.00
Totalnumber of students appeared in the examination(Z)	88.00	87.00	89.00
API [X*(Y/Z)]:	6.83	5.90	5.93

Average API [(AP1 + AP2 + AP3)/3] : 6.22

Academic Performance = Average API = [(AP1 + AP2 + AP3)/3] : 6.22

4.6 Academic Performance in First Year (20)

Total Marks 13.47

Institute Marks : 13.47

Academic Performance	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
Mean of CGPA or mean percentage of all successful students(X)	7.72	7.61	7.64
Total number of successful students(Y)	77.00	87.00	86.00
Totalnumber of students appeared in the examination(Z)	79.00	105.00	103.00
API [X*(Y/Z)]:	7.52	6.31	6.38

Average API [(AP1 + AP2 + AP3)/3] : 6.74

Academic Performance = Average API = [(AP1 + AP2 + AP3)/3] : 6.74

4.7 Placement and Higher Studies (40)

Total Marks 36.40

Institute Marks : 36.40

Item	2021-22 (LYG)	2020-21 (LYGm1)	2019-20 (LYGm2)
Total No of Final Year Students(N)	79.00	91.00	80.00
Number of students placed in Industries/ Hospitals/ Government sector through on/off campus recruitment or opted for Entrepreneurship(x)	35.00	34.00	36.00
No. of students admitted to higher studies with valid scores in various qualifying exams(y)	42.00	54.00	27.00
Placement Index [(X + Y)/N] :	0.97	0.97	0.79

Average Placement [(X + Y)/N] : 0.91

Assessment [40 * Average Placement] : 36.40

4.8 Professional Activities (20)

Total Marks 20.00

4.8.1 Professional societies / chapters and organizing pharmacy events (5)

Institute Marks : 5.00

The Institute regularly organizes pharmacy-related professional, health, community outreach and awareness programmes to provide students with opportunities for professional exposure, practical learning and community engagement. During the academic years 2023–24, 2024–25 and 2025–26, a variety of activities were conducted through the Institute and its professional, NSS and student activity units. These included National Pharmacy Week and Pharmacy Education Day programmes, professional guest lectures, CPR awareness programmes, dental and health screening camps, blood donation camps, disease-specific health awareness programmes, drug-abuse awareness programmes, nutritional and wellness activities, and environmental awareness initiatives including tree plantation.

The activities were designed to strengthen students' awareness of healthcare and pharmacy practice while encouraging social responsibility, communication, teamwork, leadership and community-oriented professional engagement. Guest lectures and professional programmes provided exposure to contemporary pharmacy and healthcare practices, while CPR training, health camps, blood donation and disease-awareness programmes provided opportunities for students to engage with practical health and community-service activities. Environmental and awareness programmes further encouraged responsible citizenship and sustainable practices. Student participation in these activities was documented through attendance registers, participant lists, event reports, certificates and photographic records, wherever applicable. The number and diversity of activities conducted across the three academic years demonstrate the Institute's continued efforts to provide professional, health-related and community-oriented learning experiences beyond the conventional classroom environment. The selected activities and their student participation are presented in the following table.

Number and Quality of Pharmacy Events Organized at the Institute

2025–26

S. No.	Name of Pharmacy Event	Nature of Activity	Organized by	Student Participation (No.)	Outcome
1	National Pharmacy Education Day Programme	Professional Pharmacy Event	Pharmacy Practice Club	134	Enhanced awareness of pharmacy education and professional development
2	Tree Plantation and EnvironmentalAwareness Programme	Environmental Awareness	Pharmacognosy & Phytochemistry Club	120	Promoted environmental responsibility and sustainable practices
3	National Pharmacy Week Celebrations	Professional Pharmacy Event	Pharmacy Student Association	158	Enhanced professional awareness and exposure to pharmacy practice
4	Health Camp	Community Health Programme	Clinical Pharmacy Club	127	Promoted community health awareness and service
5	Blood Donation Camp	Community Health Service	Health & Wellness Club	110	Encouraged voluntary blood donation and social responsibility
6	Drug Abuse Programme	Health/Social Awareness	Pharmacy Practice Club	148	Increased awareness regarding prevention of drug abuse
7	Nutritional Week	Health & Nutrition Awareness	Science Club	147	Promoted awareness of healthy nutrition and lifestyle
8	Expert Lecture "Drug Discovery and Development: At a Glance"	Expert Lecture	Clinical Pharmacy Club	136	Enhanced understanding of drug discovery and development
9	Student Orientation Programme	Professional Orientation	Institute	110	Familiarized students with academic and professional expectations
10	National Pharmacy Education Day Programme	Pharmacy Education/Professional Awareness	Pharmacy Awareness & Education Club	125	Strengthened professional awareness

2024–25

S. No.	Name of Pharmacy Event	Nature of Activity	Organized by	Student Participation (No.)	Outcome
1	World Environment Day	Environmental Awareness	Department of Pharmaceutical Chemistry	138	Promoted environmental responsibility and sustainability
2	World Brain Tumour Day	Health Awareness	Department of Pharmacognosy	145	Enhanced awareness of brain health and disease
3	World Blood Donor Day	Community Health Awareness	Department of Pharmacy Practice	125	Encouraged voluntary blood donation and social responsibility

4	International Yoga Day	Health & Wellness Programme	Department of Pharmaceutics	135	Promoted physical and mental well-being
5	International Day against Drug Abuse and Illicit Trafficking	Drug Abuse Awareness	Department of Pharmacy Practice	150	Created awareness regarding prevention of drug abuse
6	National Doctors Day	Professional/Health Awareness	Department of Pharmacy Practice	125	Promoted appreciation of healthcare professionals and interdisciplinary interaction
7	World Zoonoses Day	Health Awareness	Department of Pharmacognosy	110	Created awareness regarding zoonotic diseases
8	World Hepatitis Day	Health Awareness	Department of Pharmaceutical Chemistry	138	Promoted awareness of hepatitis prevention and healthcare
9	Free Eye Screening and Health Camp	Health Screening	Department of Pharmacy Practice	152	Provided exposure to community-oriented healthcare activities
10	National Pharmacy Week Celebrations	Professional Pharmacy Event	Department of Pharmaceutics	135	Enhanced awareness of pharmacy profession and its role in healthcare

Academic Year 2023-24

ame of Pharmacy Event	Nature of Activity	Organized by	Student Participation (No.)	Outcome	
1	Dental Health Screening & Awareness Programme	Health Screening & Awareness	Department of Pharmaceutics & NSS Unit	110	Promoted oral-health awareness and community health participation
2	Guest Lecture – “Be Proud of Your Mouth”	Guest Lecture	Department of Pharmacology	115	Enhanced awareness of oral health and preventive care
3	World Heart Day	Health Awareness	Department of Pharmacology	132	Created awareness regarding cardiovascular health
4	World Diabetes Day	Health Awareness	Department of Pharmacology	125	Promoted awareness of diabetes prevention and management
5	Blood Donation Camp	Community Health Service	NSS Unit	130	Promoted voluntary blood donation and social responsibility
6	National Pharmacy Week Celebrations	Professional Pharmacy Event	Department of Pharmacy Practice & Pharmacy Students Association	140	Strengthened awareness of pharmacy profession and professional responsibilities
7	CPR Awareness Programme	Emergency Health Training	Department of Pharmacy Practice	110	Developed awareness of basic life-support and emergency response
8	World Pneumonia Day	Health Awareness	Department of Pharmacology	120	Promoted awareness of respiratory health and disease prevention
9	National Epilepsy Day	Health Awareness	Department of Pharmacy Practice	135	Enhanced awareness of epilepsy and associated healthcare needs
10	World Heart Day	Health Awareness	Department of Pharmacy Practice	125	Promoted preventive health awareness

Faculty Membership in Professional Societies/Associations

S. No.	Faculty Member	Designation	Professional Society/Association	Membership No.	Membership Status
1	**Dr. Y. Lavanya**	**Professor & HOD**	**Indian Science Congress Association (ISCA)**	**L31478**	**Life Member**
2	**Dr. Y. Lavanya**	**Professor & HOD**	**Association of Pharmaceutical Teachers of India (APTI)**	**AP/LM-924**	**Life Member**
3	**Dr. Y. Lavanya**	**Professor & HOD**	**Indian Pharmacological Society (IPS)**	**LL66**	**Life Member**
4	**Dr. Y. Lavanya**	**Professor & HOD**	**Novel Research Academy**	**—**	**Honorary Member**
5	**Dr. Y. Lavanya**	**Professor & HOD**	**National Environmental Science Academy (NESA)**	**2143**	**Life Member**

6	Dr. Y. Lavanya	Professor & HOD	Institute of Scholars (InSc)	20201917	Life Member
7	M. Guruvareddy	Associate Professor	Association of Pharmaceutical Teachers of India (APTI)	APTI/ASSN-904	Life Member
8	Dr. P. Vasanth kumar	Professor	Association of Pharmaceutical Teachers of India (APTI)	AP/RAJ/LM/0032	Life Member
9	Dr. K. Ramesh Reddy	Vice Principal	IPA	AP/TIR/ON/LR/000020	Life Member
10	Dr. K. Ramesh Reddy	Vice Principal	Association of Pharmaceutical Teachers of India (APTI)	AP/LM-1260	Life Member
11	Dr K. Navyaja	Associate Professor	Association of Pharmaceutical Teachers of India (APTI)	AP/LM - 1341	Life Member
12	Ms. S. Thasneem	Assistant Professor	Association of Pharmaceutical Teachers of India (APTI)	AP/LM - 1342	Life Member

4.8.2 Publication of technical magazines, newsletters, etc. (5)

Institute Marks : 5.00

The Institute promotes a strong culture of technical communication, scientific writing and professional knowledge dissemination through regular publication of its institutional newsletter Krishna Teja Times established in 2023 and through contributions by faculty members to nationally circulated pharmaceutical and healthcare media publications.

Krishna Teja Times is published three times in an academic year and provides a regular platform for faculty members and students to communicate current developments in pharmacy, healthcare and related areas. The newsletter features pharmacy updates, reports of academic and professional events, Adverse Drug Reaction (ADR) and pharmacovigilance-related information, regulatory and FDA updates on medicines, disease prevalence and health-related developments, innovations in treatment, rational use of medicines and other contemporary topics relevant to pharmaceutical sciences and healthcare.

The newsletter encourages active participation of both students and faculty members. Students contribute technical articles, awareness articles, event reports and pharmacy-related updates, thereby developing their skills in scientific writing, information gathering, critical thinking and professional communication. Faculty members contribute technically relevant articles, professional updates and expert perspectives, providing academic guidance and strengthening the quality and relevance of the content.

In addition to the institutional newsletter, faculty members of the Institute have published technical and professional articles in nationally circulated pharmaceutical and healthcare media publications associated with Saffron Media. These publications include Chronicle Pharmabiz, Pharmabiz.com, Food & Beverage News, FnBNews.com, Ingredients South Asia and Ingredientssouthasia.com. Saffron Media identifies its focus as print and online communication for professionals in the pharmaceutical and healthcare sectors, providing an external platform for dissemination of professional and industry-related information. Saffron Media (https://www.saffronmedia.in/?utm_source=chatgpt.com)

Faculty contributions to these external publications provide wider professional visibility and an opportunity to disseminate technical knowledge beyond the institutional environment. Such contributions also facilitate engagement with contemporary developments in pharmaceutical sciences, healthcare, medicines, regulatory affairs and the pharmaceutical industry.

Thus, the Institutes publication activities demonstrate a continuous and structured mechanism for technical and professional knowledge dissemination, encompassing both institutional publications and external nationally circulated pharmaceutical media. The involvement of faculty and students in writing and publishing technical content promotes scientific communication, professional awareness, knowledge sharing and development of writing and editorial competencies.

Institutional Technical Newsletter

S. No.	Publication	Frequency	Contributors	Major Areas Covered	Target Audience
1	Krishna Teja Times	3 issues per academic year	Faculty and Students	Pharmacy updates, ADRs, pharmacovigilance, FDA/medicine updates, disease prevalence, treatment innovations, rational use of medicines, healthcare updates and institutional events	Students, Faculty and other stakeholders

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KRISHNA TEJA PHARMACY COLLEGE TIRUPATI

KRISHNA TEJA TIMES

An Official Publication of Krishna Teja Pharmacy College
Chadalawada Nagar, Tirupati, Andhra Pradesh
Email: principal.af@jntua.ac.in

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VISION

To provide quality pharmacy education and develop competent pharmacists to serve the healthcare needs of society.

MISSION

M1: To provide basic and applied knowledge in pharmaceutical sciences through effective teaching-learning practices.

M2: To develop technical and professional skills required for pharmaceutical industry, hospital pharmacy and community pharmacy.

M3: To inculcate professional ethics, knowledge of pharmacy laws, communication skills, teamwork and responsibility among students.

M4: To encourage higher education, entrepreneurship, lifelong learning and service to society through pharmacy profession.

Editor-in-Chief Message



It gives me immense pleasure to present *Krishna Teja Times*, the official newsletter of Krishna Teja Pharmacy College. This newsletter reflects the academic, research, professional, and co-curricular activities of our institution. It provides a platform to showcase the achievements, creativity, and contributions of our faculty and students. Through this initiative, we aim to promote knowledge sharing, scientific thinking, and continuous learning. I sincerely appreciate the efforts of the Editorial Board, student team, faculty members, and contributors. I encourage all students to actively participate and contribute to future editions. May *Krishna Teja Times* continue to inspire learning, celebrate achievements, and strengthen our academic community.

Prepared by K. Ramya

Verified by IQAC Coordinator

Approved by

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KRISHNA TEJA PHARMACY COLLEGE
CHADALAWADA NAGAR
TIRUPATI

Research Article

Study on Pharmacological Management of Hypocalcaemia in Patients after Total Thyroidectomy



P Shaik Arshiya, B Pharm IV year

Introduction

Hypocalcaemia is a major postoperative complication after total thyroidectomy that can cause potentially severe symptoms and prolong hospitalization. The aim of this study was to assess the pharmacological management of hypocalcaemia in patients who underwent total thyroidectomy.

Methods

Fifty patients who underwent total thyroidectomy were included in the study. The incidence of hypocalcaemia was analysed by serial estimation of serum calcium levels before and after surgery. The patients were randomly divided into three groups: Group 1: Received elemental calcium 500 mg every 6 hours, Group 2: Received calcium along with vitamin D, Group 3: Received calcium gluconate.

Hypocalcaemia is a major postoperative complication of total thyroidectomy. In this study, 35 out of 50 patients (70%) developed hypocalcaemia after total thyroidectomy. According to our study, females (32 patients) were more prone to hypocalcaemia than males (3 patients), which is consistent with findings reported in several published studies.

Results & Discussion

Assessment of the Effectiveness of Pharmacotherapy for Hypocalcaemia after Total Thyroidectomy: The effectiveness of pharmacological agents after total thyroidectomy can be assessed by measuring serum calcium levels before and after treatment with calcium supplements. The mean difference in serum calcium levels can be used to evaluate the effectiveness of the pharmacological agents.

Assessment of ADRs Associated with Calcium Gluconate

Intravenous calcium gluconate is indicated for the treatment of acute symptomatic hypocalcaemia. Calcium gluconate is a calcium salt of gluconic acid. Adverse drug reactions associated with intravenous calcium gluconate may include arrhythmias, tissue necrosis following extravasation, hypotension, bradycardia, and cardiac arrest. In our study, no adverse events were observed, possibly because the drug was administered appropriately with titratable doses and patients were regularly monitored under the supervision of physicians and 24-hour nursing staff. Since the risk and prevalence of hypocalcaemia are increased after total thyroidectomy and its complications can be serious, the role of the healthcare team in predicting, preventing, and managing hypocalcaemia through appropriate calcium supplementation is highly relevant.

Conclusion

Due to changes in lifestyle and dietary habits, thyroid disorders have become increasingly common. Total thyroidectomy is an established surgical treatment for certain thyroid disorders, such as multinodular goitre and Graves' disease. Preservation of the parathyroid glands is essential to reduce the risk of postoperative hypocalcaemia, while preservation of the recurrent laryngeal nerve (RLN) is important to prevent vocal cord-related complications. Our study findings suggest that postoperative oral calcium, vitamin D, and calcium gluconate may be effective in the prophylaxis and management of hypocalcaemia after total thyroidectomy, potentially improving patient outcomes.

Reference: Alvaro Sanabria, Luis C. Dominguez, Valentin Vega, et al. Routine postoperative administration of vitamin D and calcium after total thyroidectomy: a meta-analysis. International Journal of Surgery, 9: 2011; 46-51.

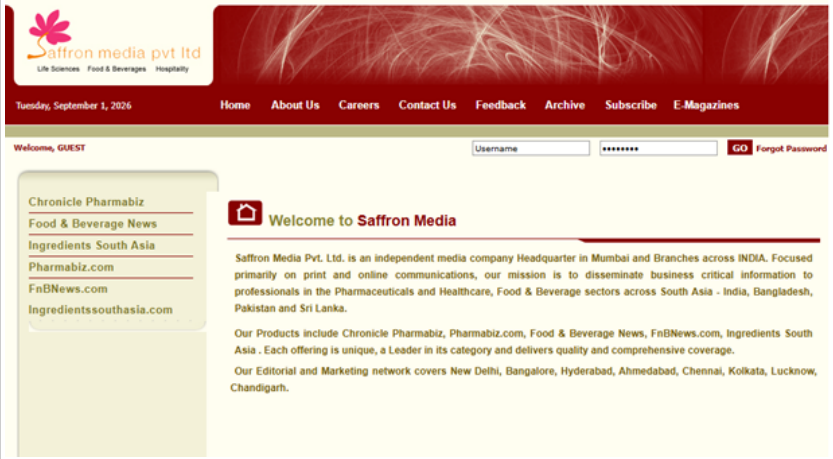
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Faculty Contributions to External Professional Publications

S. No.	Publication/Media Platform	Nature of Publication	Faculty Contributor	Contributed Article	Issue/Date
1	**Ingredients South Asia**	Ingredients, Cosmetics and Allied Industry Publication	**A. Lavanya**	**Natural ingredients in cosmetics industry**	16–31 August 2026
2	**Ingredients South Asia**	Ingredients, Cosmetics and Allied Industry Publication	**C. Shilpaja**	**Cosmetics industry: Current scenario**	1–15 August 2026
3	**Ingredients South Asia**	Ingredients, Cosmetics and Allied Industry Publication	**Dr. K. Navyaja**	**Cosmetics industry: Future prospects**	16–31 August 2026

4	**Ingredients South Asia**	Ingredients, Cosmetics and Allied Industry Publication	**M. Guravareddy**	**Developments in cosmetics industry in 2026**	1–15 August 2026
5	**Ingredients South Asia**	Pharmaceutical Industry Publication	**C. Shilpaja**	**Companies now prioritise supply chain resilience**	1–15 July 2026
6	**Ingredients South Asia**	Pharmaceutical Industry Publication	**Dr. A. Kiran Kumar**	**Industry stands at threshold of transformation**	1–15 July 2026
7	**Ingredients South Asia**	Food, Nutraceutical and Healthcare Publication	**Dr. K. R. Ramesh Reddy**	**Regulatory aspects of nutraceuticals industry**	16–31 August 2026
8	**Ingredients South Asia**	Nutraceuticals	**Dr. Ms. Divya Sree**	**Creating novel products that optimize gut health**	1–15 July 2026
9.	**Ingredients South Asia**	Ingredients, Cosmetics and Allied Industry Publication	**Dr. K. Ramesh reddy**	**Cruelty free cosmetic products gaining more traction**	1-15 September 2026
10	**Ingredients South Asia**	Ingredients, Cosmetics and Allied Industry Publication	Dr. Y. Lavanya	**Herbal and Ayruvedic cosmetics taking rapid strides**	1-15 September 2026
11	**Ingredients South Asia**	Food, Nutraceutical and Healthcare Publication	**M. Guruvareddy**	**Nutraceutical packaging market: Trends and opportunities**	1-15 September 2026
12	**Ingredients South Asia**	Food, Nutraceutical and Healthcare Publication	**S. Thasneem**	**Right neutra excipient can improve stability manufacturing efficiency**	1-15 September 2026



Ingredients SOUTH ASIA
Food
35
16-31 August 2026

Regulatory aspects of nutraceuticals industry

DR K RAMESH REDDY

The nutraceutical industry has emerged at the intersection of food, nutrition and health. Products containing vitamins, minerals, amino acids, proteins, probiotics, prebiotics, botanical ingredients, omega-3 fatty acids and other bioactive substances are increasingly being marketed to consumers seeking better nutrition and preventive health. However, unlike conventional foods, nutraceutical products often contain concentrated or biologically active ingredients. This makes regulatory oversight essential to ensure that products are safe, properly formulated, appropriately labelled and supported by scientifically credible claims.

In India, the primary regulatory authority for nutraceuticals is the Food Safety and Standards Authority of India (FSSAI), functioning under the Food Safety and Standards Act, 2006. Nutraceuticals are regulated primarily as food products rather than as medicines. The principal framework is the Food Safety and Standards (Health Supplements, Nutraceuticals, Food for Special Dietary Use, Food for Special Medical Purpose, Functional Food and Novel Food) Regulations, 2016, together with subsequent amendments and directions. FSSAI currently lists these regulations within its food regulatory framework.

The regulatory framework covers several categories of specialised foods, including health supplements, nutraceuticals, foods for special dietary use, foods for special medical purposes, specialty foods containing plants or botanicals, probiotic foods, prebiotic foods and novel foods. This classification is important because the regulatory requirements depend on the nature and composition of the product. A manufacturer therefore needs to determine the correct regulatory category before developing the formulation, label and marketing strategy.

One of the most important principles is that a nutraceutical is not a pharmaceutical drug. A nutraceutical may support normal physiological functions or contribute to nutritional wellbeing, but it should not be presented as a medicine unless it falls under an appropriate pharmaceutical regulatory pathway. This distinction becomes particularly important when products are marketed for conditions such as diabetes, hypertension, arthritis, liver disease or cancer. Statements suggesting that a food product can diagnose, prevent, treat or cure a disease can potentially cross the boundary between food and medicine and may result in regulatory concerns.

Ingredient eligibility is another major aspect of nutraceutical regulation. Manufacturers cannot assume that every plant extract, bioactive compound or novel substance can be freely incorporated into a nutraceutical product. FSSAI maintains regulatory provisions concerning ingredients and their permitted use. Where a food or ingredient does not fall within the applicable specified categories, the Food Safety and Standards (Approval for Non-Specified Food and Food Ingredients) Regulations, 2017 may become relevant. This is particularly important for innovative botanical extracts, novel bioactive substances and newly developed ingredients.

Safety evaluation is central to regulatory compliance. A nutraceutical ingredient may have promising pharmacological or nutritional properties, but laboratory activity alone does not establish that an ingredient is safe for human consumption. Considerations may include toxicity, maximum permitted levels, contaminants, pesticide residues, heavy metals, microbiological quality, interactions and the intended population. This is particularly important for botanical ingredients because their chemical composition can vary according to species, geographical origin, cultivation, harvesting and extraction methods.

Quality and standardisation are equally important. Nutraceutical products should contain ingredients of consistent identity and quality. For botanical products, standardisation may involve marker compounds or defined chemical specifications. Analytical methods such as chromatography, spectroscopy and microbiological testing can be used to verify identity, purity, potency and contamination. The increasing sophistication of the nutraceutical market means that quality control cannot depend solely on the appearance or basic physical characteristics of a finished product.

Labelling is another critical regulatory area. Nutraceutical products must comply with applicable FSSAI labelling and display requirements in addition to the specific provisions applicable to health supplements and nutraceuticals. Information provided to consumers should be clear, accurate and not misleading. Ingredients, quantities, serving information, applicable warnings and other mandatory declarations must be presented according to the relevant regulations. FSSAI separately maintains the Food Safety and Standards (Labelling and Display) Regulations, 2020, which form an important part of the current regulatory framework.

Perhaps the most sensitive regulatory issue is health and nutrition claims. The attractiveness of nutraceutical products often depends on statements such as "supports immunity", "supports bone health", "improves digestion" or "supports heart health". Such claims must be considered carefully because consumers may interpret them as evidence of disease prevention or treatment. FSSAI has a separate Food Safety and Standards (Advertising and Claims) Regulations, 2018, which governs claims made in relation to food products.

Scientific evidence is therefore becoming increasingly important in nutraceutical marketing. A claim should be appropriate to the evidence available for the ingredient and the finished product. Evidence from cell cultures or animal experiments may help establish biological plausibility, but it should not automatically be represented as proof of a clinically meaningful benefit in humans. Well-designed human studies provide stronger evidence when specific health effects are being claimed. This distinction between traditional use, laboratory evidence and clinical evidence is essential for responsible nutraceutical communication.

Advertising through digital platforms has made this issue even more significant. Nutraceutical products are now promoted through websites, social media, influencers, online marketplaces and direct-to-consumer channels. Regulatory responsibility therefore extends beyond the physical product label. Promotional statements should not create an exaggerated impression of efficacy or encourage consumers to replace appropriate medical treatment with a food supplement.

Another important aspect is manufacturing and food-business licensing. Nutraceutical manufacturers operate within the broader FSSAI food-business regulatory system and must comply with applicable food-safety requirements. Good manufacturing practices, hygienic production, quality assurance, documentation, testing and traceability are essential components of a reliable nutraceutical manufacturing system. A scientifically attractive formulation can still fail commercially if the manufacturing process cannot consistently deliver the required quality.

The regulatory environment is not static. FSSAI has periodically amended and updated the nutraceutical framework. Its current regulatory portal lists the 2016 nutraceutical regulations, amendments and related directions, including a 2021 amendment and an October 2022 direction concerning operationalisation of the updated framework. This continuing evolution reflects the rapid development of functional foods, novel ingredients, probiotics, prebiotics and other emerging areas.

For the industry, regulatory compliance should therefore begin at the formulation stage, rather than after a product has already been developed. Ingredient selection, dose, intended use, target population, scientific evidence, safety data, manufacturing controls, packaging, labelling and claims should be considered together. This approach can prevent costly reformulation and regulatory complications later.

India's nutraceutical industry has enormous potential, particularly because of the country's pharmaceutical capabilities, biotechnology expertise, traditional knowledge and rich botani-

CONTINUED ON p36

Ingredients SOUTH ASIA
Pharma
33
1-15 July 2026

Companies now prioritise supply chain resilience

C SHILPAJA

The global pharmaceutical industry finds itself at a remarkable inflection point. After weathering the unprecedented demands of a global pandemic, the sector has emerged fundamentally altered—technologically sophisticated, increasingly decentralised, and facing a reconfigured competitive landscape that challenges traditional business models. Understanding where the industry stands today requires examining not merely financial metrics, but the structural shifts reshaping how medicines are discovered, manufactured, and delivered to patients worldwide.

The post-pandemic recalibration

The years following the Covid-19 crisis have forced pharmaceutical companies to reassess nearly every assumption about drug development timelines. The mRNA vaccine programmes demonstrated that regulatory pathways could be compressed dramatically without sacrificing safety, provided sufficient resources and coordination were applied. This precedent has created lasting pressure on companies to accelerate their pipelines, with investors and patients alike now questioning why other therapeutic areas cannot achieve similar velocity.

Yet this expectation bump has collided with sobering realities. The industry's overall market size has experienced contraction or slower growth in several mature markets due to patent expirations, pricing pressures, and the normalisation of pandemic-related revenues. Major manufacturers have responded through aggressive cost restructuring, portfolio rationalisation, and strategic pivots toward higher-margin specialty medicines and biologics.

Digital transformation: Beyond the buzzword

Perhaps no trend has reshaped pharmaceutical operations more thoroughly than digitalisation. What began as incremental adoption of electronic systems has evolved into wholesale reimagining of clinical development. Decentralised clinical trials, once considered experimental, have become mainstream approaches that reduce patient burden while expanding geographic reach. Wearable devices now capture continuous physiological data, replacing periodic clinic visits with real-time monitoring that improves both data quality and participant retention.

Blockchain technology, initially associated with cryptocurrency, has found practical utility in pharmaceutical supply chains. Counterfeit medications remain a significant global challenge, and distributed ledger systems increasingly track products from manufacturing through dispensing with tamper-evident precision. Several major markets have introduced stringent traceability regulations, making digital supply chain technologies an operational necessity.

Artificial intelligence applications have proliferated across the pharmaceutical value chain. Drug discovery programmes increasingly employ machine learning to identify promising molecular candidates, significantly reducing early-stage discovery timelines. Manufacturing operations utilise predictive analytics to optimise production yields and anticipate equipment failures. Commercial organisations deploy advanced analytics to personalise healthcare provider engagement and forecast market trends.

The biologics ascendancy

Small molecule chemistry, the foundation of 20th-century pharmaceuticals, has increasingly ceded ground to biological therapies. Monoclonal antibodies, cell therapies, and gene-based treatments now dominate research pipelines at major pharmaceutical organisations. This shift carries profound implications. Biological products require specialised manufacturing infrastructure, including living cell cultures and sophisticated cold-chain logistics, complicating global distribution, particularly in low- and middle-income countries.

The biosimilar market has matured considerably, introducing competition to previously protected biological franchises. However, the complexity of demonstrating biosimilarity has prevented the dramatic price reductions observed with conventional generic medicines. Companies have responded through product reformulations, lifecycle management strategies, and the generation of robust real-world evidence to maintain market competitiveness.

Prevention paradigm shift

A philosophical reorientation has begun influencing pharmaceutical research priorities: a greater emphasis on disease prevention rather than treatment after disease onset. Advances in genomics and precision medicine enable identification of individuals at elevated risk for conditions such as cardiovascular disease, diabetes, and cancer. Pharmaceutical companies are increasingly investing in preventive interventions designed to delay or prevent disease progression.

This preventive focus creates novel commercial and regulatory challenges. Demonstrating value requires larger, longer clinical trials and endpoints that may take years to manifest. Payer systems traditionally structured around acute treatment models continue to evolve to accommodate preventive healthcare approaches. Nevertheless, demographic pressures, including ageing populations and rising healthcare costs, make prevention an increasingly attractive strategic priority.

Geographic reconfiguration

The pharmaceutical industry's centre of gravity continues to shift geographically. While North America and Western Europe remain dominant markets, significant growth increasingly originates from emerging economies, particularly China and India. These countries have evolved from low-cost manufacturing hubs into innovation ecosystems capable of generating novel therapeutics and conducting high-quality clinical research.

The pandemic also exposed vulnerabilities associated with geographically concentrated supply chains. Consequently, companies now prioritise supply chain resilience by diversifying manufacturing sites, increasing inventory buffers, and investing in regional production capabilities. Governments worldwide have reinforced this trend through industrial policies encouraging domestic production of essential medicines and active pharmaceutical ingredients.

Sustainability imperatives

Environmental sustainability has evolved from a peripheral concern to a strategic priority within the pharmaceutical industry. Investors increasingly evaluate companies based on environmental, social, and governance (ESG) criteria, while regulators pay greater attention to the environmental impact of pharmaceutical manufacturing.

Leading organisations have responded with ambitious decarbonisation strategies, investments in renewable energy, green chemistry initiatives, solvent recovery systems, and sustainable packaging designs. Water conservation has also emerged as a major focus area, especially in regions facing water scarcity. These sustainability initiatives not only address stakeholder expectations but also improve operational efficiency and long-term resilience.

Future perspectives

The pharmaceutical industry's current scenario defies simple characterisation. Financial pressures coexist with unprecedented scientific capabilities. Technological transformation advances alongside persistent operational challenges. Globalisation continues even as supply chains become increasingly regionalised.

What emerges is an industry simultaneously confident and cautious—confident in science's capacity to address unmet medical needs, yet cautious about the commercial models required to sustain innovation. The organisations that thrive will be those capable of combining scientific excellence with operational agility, navigating regulatory complexity across diverse markets while maintaining a steadfast commitment to patient-centred healthcare.

The stakes extend beyond corporate performance. Billions of people depend on the pharmaceutical industry's continued ability to transform scientific discoveries into safe, effective, and accessible medicines. Getting the current scenario right matters enormously.

(The author is associate professor, Krishna Teja Pharmacy College, Tirupati. She can be reached at sreeshilpa.022@gmail.com)

Developments in cosmetics industry in 2026

M. GURAVAREDDY

The cosmetics industry in 2026 is undergoing one of its most dynamic periods of transformation, driven by advances in biotechnology, artificial intelligence (AI), sustainable manufacturing, and consumer demand for scientifically validated products. Unlike previous decades, where product innovation largely revolved around new colors, fragrances, or packaging, the industry's current evolution is centered on improving skin biology, enhancing product efficacy, ensuring ingredient transparency, and reducing environmental impact. Cosmetics have become increasingly interdisciplinary, integrating dermatology, pharmaceutical sciences, nanotechnology, microbiology, computational biology, and digital technologies. Consumers today are no longer satisfied with products that simply enhance appearance; they seek formulations that improve skin function, maintain long-term skin health, and are supported by scientific evidence. As a result, research and innovation have become the primary competitive drivers for cosmetic companies worldwide.

One of the most significant developments in 2026 is the widespread integration of artificial intelligence throughout the cosmetic value chain. AI is no longer limited to virtual makeup applications or online product recommendations. It is now actively used in ingredient discovery, formulation optimisation, manufacturing, quality control, consumer engagement, and post-market surveillance. Machine learning algorithms can analyse thousands of published scientific studies, ingredient databases, and molecular interactions to identify novel cosmetic actives with improved efficacy and safety profiles. During product development, AI predicts formulation stability, ingredient compatibility, preservative efficiency, and sensory characteristics before laboratory experimentation begins, substantially reducing research costs and accelerating innovation. Consumers also benefit from AI-powered diagnostic applications capable of assessing skin hydration, pigmentation, wrinkles, pore size, sebum production, and barrier function using smartphone imaging, enabling personalised skincare recommendations based on measurable skin characteristics rather than generalised skin types. These technological developments have transformed cosmetics into data-driven healthcare products rather than purely aesthetic commodities.

Biotechnology has emerged as another major force shaping cosmetic innovation in 2026. Instead of depending primarily on agricultural extraction of botanical ingredients, manufacturers increasingly employ microbial fermentation, recombinant protein technology, plant cell culture, and synthetic biology to produce highly purified cosmetic ingredients. Fermentation-derived hyaluronic acid, ceramides, peptides, antioxidants, and moisturising compounds offer greater consistency, improved purity, and enhanced sustainability compared with conventional extraction methods. Synthetic biology is also enabling the production of rare bioactive compounds that were previously difficult or environmentally unsustainable to obtain from natural sources. These technologies reduce dependence on seasonal crop variations, improve manufacturing efficiency, and minimise ecological pressure on medicinal plant resources. Consequently, biotechnology is rapidly becoming one of the most important sources of next-generation cosmetic ingredients.

Scientific understanding of the skin microbiome has expanded considerably, leading to a new generation of microbiome-friendly cosmetic formulations. Human skin hosts a diverse community of microorganisms that contribute to barrier integrity, immune regulation,

CONTINUED ON p18

(ISO 9001-2015 Regd. unit)
YUVI Chemz
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ISO 9001:2015



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Cosmetics & Toileteries Ingredients
- Cetyltrimethyl Ammonium Chloride 30-50%
- Cetrimonium Chloride
- Cetrimide (industrial grade)
- Benzalkonium Chloride 50%-80% Soln.
- Stearyltrimethyl Ammonium Chloride
- Oleyl/Fatty Amine Ethoxylate (2 mol)
- Glycerol Mono Stearate (SE-NSE)
- Benzethonium Chloride (equivalent USP)
- Cetyl Pyridinium Chloride (CPC)
- Tetra Butyl Ammonium Bromide - TBAB
- Di (Hydrogenated Tallow) Ammonium Chloride (Arquad - 2HT75, 2DHT-AC)
- Phenyl Hydrazine Solution (pure grade)
- Alphox 200
- Hydrogenated Castor Oil (PEG 40)
- 2-Phenoxy Ethanol (2 mol)
- DMDM-Hydantoin 55%

Speciality Chemicals - Industrial Salt
- Sodium Sulphide Yellow Flakes
- Sodium Sulphite Superfine
- Sodium Meta Bi Sulphite/Bi-sulphite
- Mono Chloro Acetic Acid (MCA)
- Naphthalene Acetic Acid (N.A.A.)
- Ammonium Molybdate

X-RAY - PHOTO DEVELOPER
- Phenidone A / B (cas. 92-43-3)
- Dimezone - S
- Color Developer 2-3-4 • METOL

SILVER - NITRATE - OXIDE -
- Silver Nitrate (white powder/crystal)
- Silver Sulfate (white powder)
- Silver Chloride (white powder)
- Silver Oxide (brown/black powder)
- Silver Carbonate (yellow powder)
- Silver Bromide (pale-yellow powder)

Office at
- YUVI CHEMZ, (Att. Chetan) 1st FL (Raghuvir Engg.) Nr. Railway Crossing, Nandesari Vadodara - 391430, Gujarat, India.

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- www.yuvichemz.in

Unit At.:
- At Manjusar, Savli road, Vadodara, Gujarat, India.

An ISO 9001-2015 (QMS) Regd Unit

4.8.3 Participation in inter-institute events by students of the program of study (10)

Institute Marks : 10.00

ACADEMIC YEAR: 2025-2026

Sports

S. No.	Name of Students	Name of Event	Activity	Organized By	Date	Venue	Prize
1	M. Sreesha	12th Senior State Softball Championship – 2025	Sports – Softball	Chennai Softball Association	07-09 February 2025	Bharath University, Selaiyur, Chennai, Tamil Nadu	Winner
2	A.Karthik	Eenadu Sports League 2025	Sports – Cricket	Eenadu Sports League 2025, Tirupati	06-12-2025	S.V. University	Man of the Match
3	Soumya	Pharma Arena	Sports – Shotput	Krishna Teja Pharmacy College	28-04-2025	Krishna Teja Pharmacy College	I Prize
4	Sarayu	Pharma Arena	Sports – Shotput	Krishna Teja Pharmacy College	28-04-2025	Krishna Teja Pharmacy College	Runner Up
5	B.Pharmacy I Year (Boys)	Pharma Arena	Thug of War	Krishna Teja Pharmacy College	28-04-2025	Krishna Teja Pharmacy College	I Prize
6	B.Pharmacy II Year (Boys)	Pharma Arena	Thug of War	Krishna Teja Pharmacy College	28-04-2025	Krishna Teja Pharmacy College	Runner Up
7	B.Pharmacy I Year	Independence Day	Kabaddi	Krishna Teja Pharmacy College	12-08-2026 to 14-08-2025	Krishna Teja Pharmacy College	I Prize
8	B.Pharmacy II Year	Independence Day	Kabaddi	Krishna Teja Pharmacy College	12-08-2026 to 14-08-2025	Krishna Teja Pharmacy College	Runner Up
9	B.Pharmacy IV Year (Boys)	Independence Day	Kabaddi	Krishna Teja Pharmacy College	12-08-2026 to 14-08-2025	Krishna Teja Pharmacy College	I Prize
10	B.Pharmacy III Year (Boys)	Independence Day	Kabaddi	Krishna Teja Pharmacy College	12-08-2026 to 14-08-2025	Krishna Teja Pharmacy College	Runner Up
11	P. Manasa & S. Hima Bindu	Independence Day	Sports – Shuttle	Krishna Teja Pharmacy College	12-08-2026 to 14-08-2025	Krishna Teja Pharmacy College	I Prize
12	J. Gayathri & K. Suneetha	Independence Day	Sports – Shuttle	Krishna Teja Pharmacy College	12-08-2026 to 14-08-2025	Krishna Teja Pharmacy College	Runner Up

13	Prem Sagar & G. Harinadh	Independence Day	Sports – Shuttle	Krishna Teja Pharmacy College	12-08-2026 to 14-08-2025	Krishna Teja Pharmacy College	I Prize
14	K. Harish & K. Ashok	Independence Day	Sports – Shuttle	Krishna Teja Pharmacy College	12-08-2026 to 14-08-2025	Krishna Teja Pharmacy College	Runner Up
15	B. Pharmacy II Year (Girls)	Independence Day	Sports – Tennicoit	Krishna Teja Pharmacy College	12-08-2026 to 14-08-2025	Krishna Teja Pharmacy College	I Prize
16	B. Pharmacy II Year (Girls)	Independence Day	Sports – Tennicoit	Krishna Teja Pharmacy College	12-08-2026 to 14-08-2025	Krishna Teja Pharmacy College	Runner Up

Oral / Poster / Other Presentations

S. No.	Name of Students	Name of Event	Activity	Organized By	Date	Venue	Prize
1	Manisha K.	International Conference on Herbal Medicines and Natural Products: From Tradition to Modern Therapeutics (HERBNAT-MOD 2025)	E-Poster Presentation	Department of Pharmacognosy, MB School of Pharmaceutical Sciences, Mohan Babu University	21-23 August 2025	MB School of Pharmaceutical Sciences, Mohan Babu University, Tirupathi, Andhra Pradesh	I Prize
2	P. Manisha	Internal National Yoga Day	Quiz Competition	NSS Cell, JNTU Anantapur	21-05-2025	JNTU Anantapur	First Prize

ACADEMIC YEAR: 2025-26

Oral / Poster / Other Presentations

S. No.	Name of Students	Name of Event	Activity	Organized By	Date	Venue	Prize
1	B Pharmacy I Year	Pharma Thera-2026	Conference Participation	Krishna Teja Pharmacy College	29-31 January 2026	Krishna Teja Pharmacy College	Participation
2	B Pharmacy II Year	Pharma Thera-2026	Conference Participation	Krishna Teja Pharmacy College	29-31 January 2026	Krishna Teja Pharmacy College	Participation
3	B Pharmacy III Year	Pharma Thera-2026	Conference Participation	Krishna Teja Pharmacy College	29-31 January 2026	Krishna Teja Pharmacy College	Participation

4	B Pharmacy IV Year	Pharma Thera-2026	Conference Participation	Krishna Teja Pharmacy College	29-31 January 2026	Krishna Teja Pharmacy College	Participation

ACADEMIC YEAR: 2024-2025

Sports

S. No.	Name of Students	Name of Event	Activity	Organized By	Date	Venue	Prize
1	D. Sujith & V. Paramesh	35th Senior National Tennis Ball Cricket Championship – 2024	Sports – Tennis Ball Cricket	Senior Friendly Cricket League	29-10-2024	Krishna Teja Engineering College	First Prize
2	Soumya	Pharma Arena	Sports – Shotput	Krishna Teja Pharmacy College	28-04-2025	Krishna Teja Pharmacy College	I Prize
3	Sarayu	Pharma Arena	Sports – Shotput	Krishna Teja Pharmacy College	28-04-2025	Krishna Teja Pharmacy College	Runner Up
4	B.Pharmacy I Year (Boys)	Pharma Arena	Thug of War	Krishna Teja Pharmacy College	28-04-2025	Krishna Teja Pharmacy College	I Prize
5	B.Pharmacy II Year (Boys)	Pharma Arena	Thug of War	Krishna Teja Pharmacy College	28-04-2025	Krishna Teja Pharmacy College	Runner Up
6	P.T. Keerthi	63 National Pharmacy Week	Culturals – Dance	Krishna Teja Pharmacy College	18-11-2024 to 22-11-2024	Krishna Teja Pharmacy College	Best Classical Dancer
7	Nandhini A. & Akshitha	Sports Event / Sports Flexi	Sports – Carrom	Krishna Teja Pharmacy College	17-03-2025	Krishna Teja Pharmacy College	I Prize
8	Rikshitha & Fizunisa	Sports Event / Sports Flexi	Sports – Carrom	Krishna Teja Pharmacy College	17-03-2025	Krishna Teja Pharmacy College	I Prize
9	Nandini & Ammulu	Sports Event / Sports Flexi	Sports – Tennicoit	Krishna Teja Pharmacy College	19-03-2025	Krishna Teja Pharmacy College	I Prize
10	Alekhya & Sameera	Sports Event / Sports Flexi	Sports – Tennicoit	Krishna Teja Pharmacy College	19-03-2025	Krishna Teja Pharmacy College	Runner Up
11	Roopa & Lakshmi	Sports Event / Sports Flexi	Sports – Throwball	Krishna Teja Pharmacy College	19-03-2025	Krishna Teja Pharmacy College	I Prize

12	Kavitha & Indu	Sports Event / Sports Flexi	Sports – Throwball	Krishna Teja Pharmacy College	19-03-2025	Krishna Teja Pharmacy College	Runner Up
13	Asha & Akshita	Sports Event / Sports Flexi	Sports – Tug of War	Krishna Teja Pharmacy College	19-03-2025	Krishna Teja Pharmacy College	I Prize
14	Sabiha & Lalitha	Sports Event / Sports Flexi	Sports – Tug of War	Krishna Teja Pharmacy College	19-03-2025	Krishna Teja Pharmacy College	Runner Up
15	B. Pharmacy II Year (Boys)	Sports Event / Sports Flexi	Sports – Cricket	Krishna Teja Pharmacy College	20-03-2025	Krishna Teja Pharmacy College	I Prize
16	B. Pharmacy II Year (Boys)	Sports Event / Sports Flexi	Sports – Cricket	Krishna Teja Pharmacy College	20-03-2025	Krishna Teja Pharmacy College	Runner Up

Culturals

S. No.	Name of Students	Name of Event	Activity	Organized By	Date	Venue	Prize
1	P.T. Keerthi	63 National Pharmacy Week	Culturals – Dance	Krishna Teja Pharmacy College	18-11-2024 to 22-11-2024	Krishna Teja Pharmacy College	Best Classical Dancer

Oral / Poster / Other Presentations

S. No.	Name of Students	Name of Event	Activity	Organized By	Date	Venue	Prize
1	Manisha K.	Two Days National Seminar – Insight into the Strategy for Drug Discovery and Development (InS3D)	Oral Presentation	Department of Pharmaceutical Chemistry, Sri Padmavathi School of Pharmacy	23-24 August 2024	Sri Padmavathi School of Pharmacy, Tiruchanoor	First Prize
2	S. Prasanth	63 National Pharmacy Week	Oral Presentation	Krishna Teja Pharmacy College	18-11-2024 to 22-11-2024	Krishna Teja Pharmacy College	II Prize

ACADEMIC YEAR: 2023-2024

Sports

S. No.	Name of Students	Name of Event	Activity	Organized By	Date	Venue	Prize
1	B Pharmacy III Year (Boys)	Sports Flexi	Carrom & Chess	Krishna Teja Pharmacy College Sports Club	10-06-2023	Krishna Teja Pharmacy College	I Prize

2	B Pharmacy IV Year (Boys)	Pharma Olympiad	Kabaddi	Krishna Teja Pharmacy College Sports Club	09-06-2023	Krishna Teja Pharmacy College	I Prize
3	B Pharmacy III Year (Boys)	Sports Flexi	Carrom & Chess	Krishna Teja Pharmacy College Sports Club	10-06-2023	Krishna Teja Pharmacy College	Runner Up
4	B Pharmacy IV Year (Boys)	Pharma Olympiad	Kabaddi	Krishna Teja Pharmacy College Sports Club	09-06-2023	Krishna Teja Pharmacy College	Runner Up









5 FACULTY INFORMATION AND CONTRIBUTIONS (175) Total Marks 140.00

Name	PAN No.	University Degree	Date of Receiving Degree	Area of Specialization	Research Paper Publications	Ph.D Guidance	Faculty receiving Ph.D during the assessment year	Current Designation	Date (Designated as Prof/ Assoc. Prof.).	Initial Date of Joining	Association Type	At present working with the Institution(Yes/ No)	In case of NO, Date of Leaving	IS HOD?
Dr V JAYASANKAR REDDY	AIDTJ5750F	M.Pharm and Ph.D	20/01/2015	PHARMACOLOGY	40	3	3	Professor	06/06/2016	01/06/2007	Regular	Yes		Yes
Dr K UMASANKAR	AAXPU4331M	M.Pharm and Ph.D	08/08/2011	PHARMACEUTICS	81	2	1	Professor	09/07/2012	21/10/2011	Regular	Yes		No
Dr LAVANYA YAIDIKAR	AHPPL6227L	M.Pharm and Ph.D	09/02/2016	PHARMACOLOGY	33	0	0	Associate Professor	14/05/2025	14/05/2025	Regular	Yes		No
Dr GUMMALLA PRASANTHI	AOYPG4667F	M.Pharm and Ph.D	08/01/2014	PHARMACEUTICAL CHEMISTRY	20	0	0	Professor	15/06/2022	15/06/2022	Regular	Yes		No
Dr ARUNA GUNDALA	AMAPA4180H	M.Pharm and Ph.D	23/09/2019	PHARMACEUTICAL ANALYSIS	15	0	0	Associate Professor	26/08/2021	08/02/2010	Regular	Yes		No
Dr MS DIVYASREE	BDTPD8366B	M.Pharm and Ph.D	25/08/2023	PHARMACOGNOSY	10	0	0	Associate Professor	02/04/2025	02/04/2025	Regular	Yes		No
Dr A KIRAN KUMAR	AQLPA3311P	M.Pharm and Ph.D	08/06/2020	PHARMACEUTICAL ANALYSIS	14	0	0	Associate Professor	10/05/2023	10/05/2023	Regular	Yes		No
Dr SYED MOHAMMED SHAFIULLA	GDNPS3537L	M.Pharm and Ph.D	29/05/2023	PHARMACOLOGY	12	0	0	Associate Professor		30/05/2023	Regular	Yes		No
Dr G BALLAMMAL	APOPB8180M	M.Pharm and Ph.D	02/02/2022	PHARMACEUTICAL ANALYSIS	10	0	0	Associate Professor	10/03/2022	27/06/2011	Regular	No	30/05/2026	No
Dr B HASEENA BHANU	ACIPH1611A	M.Pharm and Ph.D	16/07/2012	PHARMACEUTICAL CHEMISTRY	16	0	0	Associate Professor	17/07/2019	16/08/2013	Regular	Yes		No
Dr T SUNILKUMAR REDDY	AENPT4819M	M.Pharm and Ph.D	08/02/2022	PHARMACEUTICAL ANALYSIS	11	0	0	Associate Professor	10/03/2022	27/06/2011	Regular	No	30/05/2026	No
Dr T NAGESWARA RAO	AQYPN4480H	M.Pharm and Ph.D	19/05/2011	PHARMACEUTICAL CHEMISTRY	10	0	0	Associate Professor	12/07/2016	21/10/2011	Regular	No	30/05/2026	No
Mrs Y CHANDRAVADANA	AIMPY4560P	M.Pharm	21/06/2006	PHARMACOLOGY	12	0	0	Assistant Professor		21/05/2008	Regular	Yes		No
Dr K NAVYAJA	EWDPK1991P	M.Pharm and Ph.D	30/09/2025	PHARMACEUTICAL ANALYSIS	12	0	0	Associate Professor	01/10/2025	13/07/2018	Regular	Yes		No
Mr KV NANDA KUMAR	CHTPK1554K	M.Pharm	28/12/2010	PHARMACEUTICAL ANALYSIS	15	0	0	Assistant Professor		20/06/2019	Regular	Yes		No
Mr M GURAVAREDDY	BKPPM1505E	M.Pharm	10/06/2011	PHARMACEUTICAL CHEMISTRY	26	0	0	Assistant Professor		06/04/2024	Regular	Yes		No
Mrs CHEEKATI VATSALYA	BBXPC8572Q	M.Pharm	11/11/2013	PHARMACOGNOSY	1	0	0	Assistant Professor		22/08/2014	Regular	Yes		No
Mrs DEEPTHI ROSHAN DARJA	BIKPD2211H	M.Pharm	16/10/2014	PHARMACEUTICAL ANALYSIS	2	0	0	Assistant Professor		10/07/2015	Regular	Yes		No

Mrs A LAVANYA	AYEPA4561E	M.Pharm	23/10/2014	PHARMACEUTICS	12	0	0	Assistant Professor	16/01/2017	Regular	Yes	No
Mr K BHARATH KUMAR	BHEPB1065J	M.Pharm	16/12/2015	PHARMACEUTICS	5	0	0	Assistant Professor	06/04/2016	Regular	Yes	No
Mrs C SHILPAJA	GEAPS2532R	M.Pharm	23/10/2013	PHARMACEUTICS	10	0	0	Assistant Professor	08/01/2025	Regular	Yes	No
Mr. V. YOGEESWARA RAO	CEFPR4879K	M.Pharm	14/04/2017	PHARMACEUTICAL ANALYSIS	7	0	0	Assistant Professor	01/08/2023	Regular	Yes	No
Mrs URAKANA NIRUPAMA	AEWPU6087K	M.Pharm	28/12/2017	PHARMACEUTICAL ANALYSIS	8	0	0	Assistant Professor	22/04/2022	Regular	Yes	No
Ms A KAVITHA	BVFPA2866M	M.Pharm	13/12/2018	PHARMACEUTICS	1	0	0	Assistant Professor	15/02/2021	Regular	Yes	No
Mr M LOKESH REDDY	BHCPM2934F	M.Pharm	23/10/2014	DRUG REGULATORY AFFAIRS	2	0	0	Assistant Professor	13/06/2016	Regular	Yes	No
Mr K ANIL	APMPA1685C	M.Pharm	25/11/2009	PHARMACOLOGY	1	0	0	Assistant Professor	11/07/2022	Regular	Yes	No
Ms K ROOPA	FYPPK0990B	M.Pharm	23/09/2019	PHARMACEUTICS	1	0	0	Assistant Professor	01/06/2022	Regular	Yes	No
Mrs M SARANYA	DZXPM0727D	M.Pharm	22/01/2020	PHARMACEUTICS	1	0	0	Assistant Professor	07/07/2021	Regular	Yes	No
Ms G HIMA BINDU	BHOPH9247Q	M.Pharm	16/09/2020	PHARMACEUTICS	7	0	0	Assistant Professor	10/02/2022	Regular	Yes	No
Mrs C HEMALATHA	ANWPH3699M	M.Pharm	21/08/2020	PHARMACOLOGY	0	0	0	Assistant Professor	07/07/2021	Regular	Yes	No
Mr N CHARAN SAI	CAAPC4187Q	M.Pharm	21/03/2022	PHARMACOLOGY	1	0	0	Assistant Professor	15/06/2022	Regular	Yes	No
Mrs KOSANAIPALLI NANDINI	CFWPN1448A	M.Pharm	08/02/2023	PHARMACOLOGY	3	0	0	Assistant Professor	01/03/2023	Regular	Yes	No
Mrs M BHANUMATHI	EPRPB7631L	M.Pharm	09/03/2023	PHARMACEUTICAL ANALYSIS	0	0	0	Assistant Professor	01/03/2023	Regular	Yes	No
Ms S THASNEEM	CGFPT1612L	M.Pharm	08/08/2023	PHARMACEUTICAL ANALYSIS	4	0	0	Assistant Professor	14/08/2023	Regular	Yes	No
Mrs P Vasavi	BYGPV9766F	M.Pharm	08/08/2023	PHARMACOLOGY	0	0	0	Assistant Professor	16/08/2023	Regular	Yes	No
Mrs K Sagarika	HXKPK8996M	M.Pharm	08/08/2023	PHARMACOLOGY	0	0	0	Assistant Professor	14/08/2023	Regular	Yes	No
Mrs A E Sivagami	GRZPS5981Q	M.Pharm	08/01/2020	PHARMACEUTICS	1	0	0	Assistant Professor	10/10/2022	Regular	Yes	No
Mrs M Vinitha	ATBPV4668B	M.Pharm	19/09/2022	PHARMACOLOGY	0	0	0	Assistant Professor	10/10/2022	Regular	Yes	No

Dr K Thirumala Naik	AURPT7033K	Pharm D	04/09/2017	PHARMACY PRACTICE	18	0	0	Assistant Professor		06/09/2017	Regular	Yes		No
Dr D Naga Swetha	BUFPN5370L	Pharm D	26/10/2016	PHARMACY PRACTICE	2	0	0	Assistant Professor		15/05/2018	Regular	Yes		No
Dr C Mohana	EHUPM3600P	Pharm D	02/08/2017	PHARMACY PRACTICE	7	0	0	Assistant Professor		04/10/2017	Regular	Yes		No
Dr K Tirumalesh	GEEPK8138F	Pharm D	09/04/2019	PHARMACY PRACTICE	3	0	0	Assistant Professor		26/04/2019	Regular	Yes		No
G Divya	ENXPD8966C	Pharm D	09/04/2019	PHARMACY PRACTICE	2	0	0	Assistant Professor		06/12/2021	Regular	Yes		No
Dr C Bhuvanswar Rao	BCGPC3752C	M.Pharm and Ph.D	20/12/2023	PHARMACOLOGY	12	0	0	Associate Professor		09/03/2023	Regular	Yes		No
Dr S Sarah Sujitha	AFMPY3467M	M.Pharm and Ph.D	02/03/2021	PHARMACEUTICS	12	0	0	Associate Professor		16/06/2023	Regular	No	29/10/2025	No
Dr K Venugopal	AHSPK1335R	M.Pharm and Ph.D	14/06/2012	PHARMACEUTICS	35	0	0	Professor		12/04/2024	Regular	No	12/03/2025	No
Dr B POORNIMA CHANDRAN	DHDPP7248A	M.Pharm and Ph.D	10/07/2017	PHARMACEUTICAL ANALYSIS	20	0	0	Associate Professor	10/02/2022	10/02/2022	Regular	No	24/05/2025	No
VS CHANDRASEKARAN	AGEPC5187C	M.Pharm and Ph.D	23/06/2025	PHARMACEUTICAL BIOTECHNOLOGY	15	0	0	Assistant Professor		01/07/2017	Regular	No	22/01/2025	No
Dr. M. Kishore Babu	ASSPM9130D	M.Pharm and Ph.D	23/10/2014	Pharmaceutics	20	0	0	Professor		28/11/2020	Regular	No	30/03/2024	No
Dr. V. Prabakharan	ACOPP6537R	M.Pharm and Ph.D	23/10/2014	Pharmacognosy	24	0	0	Professor		01/06/2011	Regular	Yes		No
Dr. P. Vasanth Kumar	BPAPP2022P	M.Pharm and Ph.D	27/03/2018	Pharmaceutical Chemistry	25	0	0	Professor		06/07/2023	Regular	Yes		No
Mrs. B. Swapna	DSLPS2555A	M.Pharm	16/12/2016	Pharmaceutical Chemistry	8	0	0	Assistant Professor		13/08/2018	Regular	Yes		No
Mr E SUNIL KUMAR	ACKPE9167A	Pharm D	27/07/2018	PHARMACY PRACTICE	15	0	0	Assistant Professor		01/11/2025	Regular	Yes		No
MR T SARATH BABU	BTIPT3694M	Pharm D	15/09/2022	PHARMACY PRACTICE	4	0	0	Assistant Professor		08/09/2025	Regular	Yes		No
MISS S SRAVANI	PZTPS4563R	M.Pharm	15/05/2024	PHARMACY PRACTICE	0	0	0	Assistant Professor		12/04/2025	Regular	Yes		No
MRS SYED MOBEEN	GUXPM2694K	M.Pharm	03/02/2022	Pharmaceutics	1	0	0	Assistant Professor		08/09/2025	Regular	Yes		No
Dr. K. Ramesh Reddy	BBFPR3236Q	M.Pharm and Ph.D	24/03/2021	Pharmaceutics	20	0	0	Associate Professor		18/10/2025	Regular	Yes		No

5.1 Student-Faculty Ratio (SFR) (20) Total Marks 14.00

Institute Marks : 14

UG

No. of UG Programs in the Department 1

Pharmacy						
Year of Study	**CAY**		**CAYm1**		**CAYm2**	
	(2025-26)		**(2024-25)**		**(2023-24)**	
	Sanction Intake	**Actual admitted through lateral entry students**	**Sanction Intake**	**Actual admitted through lateral entry students**	**Sanction Intake**	**Actual admitted through lateral entry students**
1st Year	110	0	110	0	110	0
2nd Year	110	2	110	1	110	1
3rd Year	110	1	110	1	110	1
4th Year	110	1	110	1	110	2
Sub-Total	**440**	**4**	**440**	**3**	**440**	**4**
Total	**444**		**443**		**444**	
Grand Total	444		443		444	

PG

No. of PG Programs in the Department 7

Pharm D			
Year of Study	**CAY(2025-26)**	**CAYm1(2024-25)**	**CAYm2 (2023-24)**
	Sanction Intake	**Sanction Intake**	**Sanction Intake**
1st Year	33	33	33
2nd Year	33	33	33
Total	**66**	**66**	**66**

Pharm.D (Postbaccalaureate)			
Year of Study	**CAY(2025-26)**	**CAYm1(2024-25)**	**CAYm2 (2023-24)**
	Sanction Intake	**Sanction Intake**	**Sanction Intake**
1st Year	11	11	11
2nd Year	11	11	11
Total	**22**	**22**	**22**

Pharmaceutical Analysis			
Year of Study	**CAY(2025-26)**	**CAYm1(2024-25)**	**CAYm2 (2023-24)**
	Sanction Intake	**Sanction Intake**	**Sanction Intake**
1st Year	17	17	17
2nd Year	17	17	17
Total	**34**	**34**	**34**

Pharmaceutical Analysis & Quality Assurance			
Year of Study	**CAY(2025-26)**	**CAYm1(2024-25)**	**CAYm2 (2023-24)**
	Sanction Intake	**Sanction Intake**	**Sanction Intake**
1st Year	17	17	17
2nd Year	17	17	17
Total	**34**	**34**	**34**

Pharmaceutics			
Year of Study	**CAY(2025-26)**	**CAYm1(2024-25)**	**CAYm2 (2023-24)**
	Sanction Intake	**Sanction Intake**	**Sanction Intake**
1st Year	17	17	17
2nd Year	17	17	17
Total	**34**	**34**	**34**

Pharmaceutics (Drug Regulatory Affiars)			
Year of Study	**CAY(2025-26)**	**CAYm1(2024-25)**	**CAYm2 (2023-24)**
	Sanction Intake	**Sanction Intake**	**Sanction Intake**
Total	**34**	**34**	**34**

Pharmaceutics (Drug Regulatory Affiars)			
Year of Study	**CAY(2025-26)**	**CAYm1(2024-25)**	**CAYm2 (2023-24)**
	Sanction Intake	**Sanction Intake**	**Sanction Intake**
1st Year	17	17	17
2nd Year	17	17	17
Total	**34**	**34**	**34**

Pharmacology			
Year of Study	**CAY(2025-26)**	**CAYm1(2024-25)**	**CAYm2 (2023-24)**
	Sanction Intake	**Sanction Intake**	**Sanction Intake**
1st Year	17	17	17
2nd Year	17	17	17
Total	**34**	**34**	**34**

Grand Total	258	258	258

SFR

No. of UG Programs in the Department 1

No. of PG Programs in the Department 7

Description	**CAY(2025-26)**	**CAYm1 (2024-25)**	**CAYm2 (2023-24)**
Total No. of Students in the Department(S)	845 **Sum total of all (UG+PG) students**	844 **Sum total of all (UG+PG) students**	845 **Sum total of all (UG+PG) students**
No. of Faculty in the Department(F)	48 **F1**	46 **F2**	46 **F3**
Student Faculty Ratio(SFR)	17.60 **SFR1=S1/F1**	18.37 **SFR2=S2/F2**	18.35 **SFR3=S3/F3**
Average SFR	18.11 **SFR=(SFR1+SFR2+SFR3)/3**		
F=Total Number of Faculty Members in the Department (excluding first year faculty)			

Note: 75% should be Regular/full time faculty and the remaining shall be Contractual Faculty/Adjust Faculty/Resource persons from industry as per AICTE norms and standards. The contractual faculty will be considered for assessment only if a faculty is drawing a salary as prescribed by the concerened State Government for the contractual faculty in the respective cadre.

5.1.1. Provide the information about the regular and contractual faculty as per the format mentioned below:

	Total number of regular faculty in the department	**Total number of contractual faculty in the department**
CAY(2025-26)	48	0
CAYm1(2024-25)	46	0
CAYm2(2023-24)	46	0

Average SFR for three assessment years : 18.11

Assessment SFR : 14

5.2 Faculty Cadre Proportion (20)

Total Marks 16.00

Institute Marks : 16.00

Year	Professors		Associate Professors		Assistant Professors	
	Required F1	Available	Required F2	Available	Required F3	Available
CAY(2025-26)	6.00	5.00	12.00	10.00	37.00	33.00
CAYm1(2024-25)	6.00	5.00	12.00	10.00	37.00	31.00
CAYm2(2023-24)	6.00	5.00	12.00	9.00	37.00	32.00
Average Numbers	6.00	5.00	12.00	9.67	37.00	32.00

Cadre Ratio Marks [(AF1 / RF1) + [(AF2 / RF2) * 0.6] + [(AF3 / RF3) * 0.4]] * 10 : 16.00

5.3 Faculty Qualification (20)

Total Marks 11.74

Institute Marks : 11.74

	X	Y	F	FQ = 2.0 x [(10X + 6Y) / F)]
2025-26(CAY)	15	32	56.00	12.21
2024-25(CAYm1)	15	30	56.00	11.79
2023-24(CAYm2)	14	29	56.00	11.21

Average Assessment : 11.74

5.4 Faculty Retention (20)

Total Marks 20.00

Institute Marks : 20.00

Description	2024-25	2025-26
No of Faculty Retained	45	43
Total No of Faculty	42	42
% of Faculty Retained	107	102

Average : 105.00

Assessment Marks : 20.00

5.5 Innovations by the Faculty in Teaching and Learning (15)

Total Marks 15.00

Institute Marks : 15.00

The faculty members have implemented innovative, learner-centred, technology-enabled, experiential and application-oriented teaching-learning practices to improve students conceptual understanding, active participation, problem-solving ability, clinical reasoning, practical skills and professional competencies. Each innovation is supported by clearly defined learning objectives, structured implementation methodology and appropriate assessment strategies. Wherever applicable, the effectiveness of the innovations is evaluated through student performance, feedback, competency assessment and outcome analysis. The teaching-learning innovations, supporting materials and implementation evidence are documented and made available through the institutional website for peer review, dissemination and adoption. The methodologies are structured in a reproducible manner to enable other faculty members and academic institutions to implement or adapt the practices.

Faculty Innovations

S.No.	Faculty Innovation	Teaching-Learning Approach	Programme/Course	Key Learning Outcome	Major Evidence
1.	Case-Based Learning (CBL)	Real/simulated clinical and therapeutic cases, guided analysis and discussion	B.Pharm/Pharm.D	Clinical reasoning, problem-solving and application of theoretical knowledge	Case modules, student responses, assessment, feedback
2.	Project-Based Learning (PjBL)	Student-driven research, formulation, analytical, pharmacological and clinical/ pharmacy projects	B.Pharm/M.Pharm/ Pharm.D	Research aptitude, critical thinking, problem-solving, teamwork	Project guidelines, reports, presentations, rubrics
3.	Digital Drug Information-Based Learning	Structured use of authenticated drug-information resources for case/problem solving	B.Pharm/Pharm.D	Evidence-based information retrieval, critical appraisal and decision-making	Case exercises, worksheets, database activities, assessment
4.	Industry- and Community-Integrated Experiential Learning through Structured Summer Internship	Structured industry internship and community-service/project activities supported by faculty mentoring, logbooks, field activities, reflection and evaluation	B.Pharm	Industrial exposure, community engagement, professional competency, communication, problem-solving and employability skills	Internship guidelines, industry/ community allocation, logbooks, mentor records, industry/ community feedback, student reports, photographs, assessment

5.	ICT-Enabled Interactive Learning	Multimedia, digital content, educational videos and online learning resources integrated with classroom teaching	All programmes	Conceptual understanding, visualization, engagement and self-directed learning	Digital modules, PPTs/videos, screenshots, lesson plans, feedback
6.	Application-Oriented and Case-Based Assignments	Problem-solving, clinical/ application-based assignments requiring analysis and interpretation	All programmes	Higher-order thinking, analysis and application of knowledge	Assignment templates, rubrics, evaluated scripts, outcome analysis
7.	Innovative Practical and Competency-Based Learning	Demonstration, hands-on practice, skill development and structured competency assessment	Practical courses	Practical, technical and professional competencies	Practical modules, competency checklists, rubrics, records
8.	Innovative Assessment Practices	Case-based questions, structured quizzes, formative assessment and rubric-based evaluation	All programmes	Continuous learning, feedback and identification/ remediation of learning gaps	Question papers, rubrics, results, feedback and improvement analysis

5.6 Faculty as participants in Faculty Development/Training Activities (15) Total Marks 11.26

Institute Marks : 11.26

Name of the faculty	Max 5 Per Faculty		
	2025-26	2024-25	2023-24
Dr V JAYASANKAR REDDY	1.00	1.00	1.00
Dr K UMASANKAR	1.00	0.00	3.00
Dr GUMMALLA PRASANTHI	1.00	1.00	1.00
Dr ARUNA GUNDALA	0.00	2.00	2.00
Dr MS DIVYASREE	3.00	0.00	0.00
Dr A KIRAN KUMAR	2.00	2.00	5.00
Dr SYED MOHAMMED SHAFIULLA	1.00	2.00	5.00
Dr G BALLAMMAL	0.00	3.00	4.00
Dr B HASEENA BHANU	1.00	2.00	4.00
Dr T SUNIL KUMAR REDDY	1.00	1.00	5.00
Dr T NAGESWARA RAO	0.00	1.00	5.00
Mrs Y CHANDRAVADANA	1.00	1.00	4.00
Dr K NAVYAJA	1.00	3.00	5.00
Mr KV NANDA KUMAR	1.00	1.00	2.00
Mr M GURAVAREDDY	1.00	1.00	0.00
Mrs CHEEKATI VATSALYA	2.00	1.00	5.00
Mrs DEEPTHI ROSHAN DARJA	0.00	1.00	5.00
Mrs A LAVANYA	1.00	2.00	5.00
Mr K BHARATH KUMAR	1.00	2.00	5.00
Mr. V. YOGEESWARA RAO	1.00	2.00	5.00
Mrs URAKANA NIRUPAMA	1.00	1.00	3.00
Ms A KAVITHA	2.00	3.00	5.00
Mr M LOKESH REDDY	1.00	2.00	4.00

Mr K ANIL	1.00	3.00	5.00
Ms K ROOPA	1.00	3.00	4.00
Mrs M SARANYA	2.00	3.00	5.00
Ms G HIMA BINDU	3.00	4.00	5.00
Mrs C HEMALATHA	1.00	3.00	4.00
Mr N CHARAN SAI	1.00	2.00	4.00
Mrs KOSANAIPALLI NANDINI	1.00	2.00	5.00
Mrs M BHANUMATHI	2.00	1.00	5.00
Ms S THASNEEM	2.00	2.00	5.00
Mrs P Vasavi	2.00	3.00	5.00
Mrs K Sagarika	2.00	2.00	4.00
Mrs A E Sivagami	2.00	2.00	3.00
Mrs M Vinitha	2.00	3.00	3.00
Dr K Thirumala Naik	2.00	1.00	2.00
Dr D Naga Swetha	2.00	1.00	4.00
Dr C Mohana	2.00	3.00	3.00
Dr K Tirumalesh	2.00	1.00	4.00
G Divya	1.00	4.00	4.00
Dr C Bhuvanswar Rao	1.00	1.00	2.00
Dr S Sarah Sujitha	0.00	1.00	2.00
Dr B POORNIMA CHANDRAN	0.00	1.00	5.00
VS CHANDRASEKARAN	0.00	1.00	1.00
Dr. P. Vasanth Kumar	1.00	1.00	1.00
Mrs. B. Swapna	1.00	3.00	5.00
Sum	58.00	86.00	173.00

RF = Number of Faculty required to comply with 15:1 Student Faculty Ratioas per 5.1	56.33	56.27	56.33
Assessment [3*(Sum / 0.5RF)]	6.18	9.17	18.43

Average assessment over 3 years: 11.26

5.7 Research and Development (40) Total Marks 27.00

5.7.1 Academic Research (10)

Institute Marks : 10.00

Year-wise Number of Research Papers Published

Academic Year	Number of Research Papers Published
2025	09
2024	47
2023	33

Details of Research Publications and Bibliometric Indicators– 2025

S. No.	Title of the Research Paper	Author Position & Name	Journal Name	Indexing Status	Volume, Issue & Year	ISSN	Journal Impact Factor
1	Formulation of Naringin Solid Dispersion-Based Gel for Enhanced Solubility and Drug Release	Dr. Y. Sarah Sujitha	EC Pharmacology and Toxicology Research Article	Peer Reviewed	13(8), 2025	2577-1086	1.024
2	The Comparative Study on Performance of Selected Medical Devices Manufactured in India and Foreign Countries with Regulatory Aspects	Dr. Y. Sarah Sujitha	Journal of Global Trends in Pharmaceutical Sciences	Scopus	16(2), 2025	2230-7346	1.35
3	ANDA Deficiencies and Regulatory Strategies	Dr. Y. Sarah Sujitha	Journal of Global Trends in Pharmaceutical Sciences	Scopus	16(2), 2025	2230-7346	1.3584
4	A Review on Pembrolizumab in TNBC	Dr. K. Thirumala Naik	International Journal of Modern Pharmaceutical Research	Scopus	9(3), 2025	2319-5878	6.669
5	Engineering PLGA Nanocomposite Matrices: Influence of Polymer Structure on Drug Release Kinetics and Ocular Pharmacokinetics	S. Thasneem	International Journal of Drug Delivery Technology	Scopus	16(62s), 2026	0975-4415	1.08

6	Theoretical and Computational Study of Bioactive Compounds from Myricanagi as Inhibitors of Neuroendocrine and Opioid Receptors: A Molecular Docking and Dynamics Approach	Dr. A. Kiran Kumar	Advanced Journal of Chemistry, Section A	Scopus	9(2), 2026	2645-5676	4.84
7	Quinazoline Derivatives as Potential Therapeutic Agents in Breast Cancer, Cervical Cancer, and Ovarian Cancer Therapy	M. S. DivyaSree	Vascular and Endovascular Review	Scopus	8(8), 2025	–	Q2
8	Recent Progress in Heterogeneous Catalysis for Sustainable Chemical Processes	Dr. A. Kiran Kumar	Journal of Chemical Reviews	Scopus	8(1), 2025	2507-1482	4.8
9	Current Advances in Pharmaceutical Analysis and Method Development Using HPLC	Mr. V. Yogeeswara Rao	Journal of Pharma Insights and Research	Peer Reviewed	2(7), 2025	3048-5428	6

Details of Research Publications and Bibliometric Indicators - 2024

S. No.	Title of the Research Paper	Author Position & Name	Journal Name	Indexing Status	Volume, Issue & Year	ISSN	Journal Impact Factor
1	Design, Formulation, and Evaluation of Lisinopril Mucoadhesive Buccal Patches by Using the Combination of Natural Polymers	G. Hima Bindu	The Journal of Multidisciplinary Research (TJMDR)	Peer Reviewed	4(1), 2024	2583-0317	No
2	A Review on Exploring 3D Printing Techniques for Solid Dosage Forms	G. Hima Bindu	Indo American Journal of Pharmaceutical Sciences	Peer Reviewed	11(01), 2024	2349-7750	7.187
3	Molecular and Potential Biomarkers in Diagnosis of Cervical Carcinoma: A Review	K. V. Nanda Kumar	Asian Pacific Journal of Environment and Cancer	Peer Reviewed	7(1), 2024	2645-5404	–
4	Nano Particle-Based Cancer Therapy: A Novel Approach	Dr. Y. Sarah Sujitha	African Journal of Biomedical Research	Scopus	28(2s), 2024	1119-5096	0.34

5	A Review on Advances in Biomarker-Based Detection Strategies for Ovarian Cancer	Dr. Y. Sarah Sujitha	The Bioscan: An International Quarterly Journal of Life Sciences	Web of Science	20(4), 2025	0973-7049	6.19
6	Molecular Dynamics in Pharmaceutical Nanotechnology: Stimulating Interactions and Advancing Applications	Dr. Y. Sarah Sujitha	Journal of Biomaterials Science, Polymer Edition	Peer Reviewed	36(10), 2025	0920-5063	3.5
7	Regulatory Requirements and Challenges of Medical Devices in European Union and India: A Comparative Study	Dr. Y. Sarah Sujitha	Journal of Global Trends in Pharmaceutical Sciences	Peer Reviewed	16(2), 2025	2230-7346	1.3584
8	An Overview on Types, Diagnosis and Treatment of Myositis	Dr. K. Thirumala Naik	International Journal of Modern Pharmaceutical Research	Scopus	8(4), 2024	2319-5878	6.669
9	An Overview of Cervical Cancer	Dr. K. Thirumala Naik	International Journal of Modern Pharmaceutical Research	Scopus	8(4), 2024	2319-5878	6.669
10	An Attribute Knowledge on Scabies	Dr. K. Thirumala Naik	International Journal of Modern Pharmaceutical Research	Scopus	8(6), 2024	2319-5878	6.669
11	Ludwigs Angina: A Rare but Life-Threatening Deep Neck Space Infection	Dr. K. Thirumala Naik	International Journal of Modern Pharmaceutical Research	Scopus	9(2), 2025	2319-5878	6.669
12	A Review on “Metformin Induced Vitamin B12 Deficiency in Patients with Type-2 Diabetes Mellitus”	Dr. K. Thirumala Naik	International Journal of Modern Pharmaceutical Research	Peer Reviewed	9(2), 2024	2319-5878	6.669
13	Exploring Diabetic Foot Ulcers: Clinical Features, Challenges, and Innovations	Dr. K. Thirumala Naik	International Journal of Modern Pharmaceutical Research	Peer Reviewed	9(2), 2025	2319-5878	6.669
14	A New Horizon in MDR-TB Therapy: BPALM Approach	Dr. K. Thirumala Naik	International Journal of Modern Pharmaceutical Research	Scopus	9(2), 2025	2319-5878	6.669

15	A Case Report on Alopecia Areata – A Comprehensive Clinical Analysis	Dr. K. Thirumala Naik	International Journal of Scientific Research in Science and Technology	Peer Reviewed	12(2), 2025	2395-6011	10
16	Innovative Strategies to Combat Antimicrobial Resistance: Advances in Drug Discovery, Alternative Therapies and Immune Modulation	B. Swapna	Asian Journal of Pharmaceutics	Web of Science	19(2), 2025	0973-8398	0.3
17	A Review Article on Nephroprotective of Medicinal Plants	Y. Chandravadana	Indo American Journal of Pharmaceutical Sciences	Peer Reviewed	11(11), 2024	2024	7.187
18	Vitamin D Deficiency and Hashimotos Thyroiditis in a Patient with Polycystic Ovary Syndrome and Ulcerative Colitis	A. Lavanya	International Journal of Nutrition and Science	Scopus	10(3), 2024	2538-1873	2.3
19	Assessment of SUPAC Guidelines (USFDA & CDSCO): A Regulatory Pathway for Approval Changes	A. Lavanya	Journal of Global Trends in Pharmaceutical Sciences	Scopus	16(1), 2024	2230-7346	1.35
20	Development and Validation for the Estimation of Ambroxol, Terbutaline in Pharmaceutical Dosage Form by RP-HPLC	A. Lavanya	Bulletin Monumental	Web of Science	25(9), 2024	0007-473X	0.1
21	A Novel RP-UPLC Method Development and Validation for the Simultaneous Determination of Ferulic Acid and Vanillic Acid in Haritaki Tablets	K. Navyaja	Advances in Bioresearch	Web of Science	16, 2024	2	0.2
22	A Review on Analytical Techniques for Determination of Proton Pump Inhibitors	S. Thasneem	Indo American Journal of Pharmaceutical Sciences	Peer Reviewed	11(12), 2024	2349-7750	7.187
23	Comprehensive Study of Analytical Techniques in Drug Discovery	S. Thasneem	Indo American Journal of Pharmaceutical Sciences	Peer Reviewed	11(11), 2024	2349-7750	7.187

24	Rapid Detection of Milk Adulteration Using Mid-Infrared Spectroscopy (MIRS): Recent Advances and Applications	K. Navyaja	Indo American Journal of Pharmaceutical Sciences	Peer Reviewed	11(12), 2024	2349-7750	7.3
25	A Review on Estimation of Preservatives in Food by Using Spectroscopic Techniques	K. Navyaja	Indo American Journal of Pharmaceutical Sciences	Peer Reviewed	11(12), 2025	2349-7750	7.3
26	A Review on Spectroscopic Techniques for Skin Cancer Detection	K. Navyaja	Indo American Journal of Pharmaceutical Sciences	Peer Reviewed	11(12), 2024	2349-7750	7.3
27	Artificial Intelligence in Lung Cancer Screening: The Future Is Here	K. Navyaja	Indo American Journal of Pharmaceutical Sciences	Peer Reviewed	11(12), 2024	2349-7750	7.3
28	The Clinical Significance of C-Peptide as a Biomarker in Patients with Diabetes Mellitus: A Comprehensive Review	C. Mohana	International Journal of Creative Research Thoughts	Peer Reviewed	12(10), 2024	2320-2882	7.79
29	A Prospective Study on Medical Management of Abnormal Uterine Bleeding Cases in Respect with PALM-COEIN Classification	C. Mohana	IOSR Journal of Pharmacy and Biomedical Sciences	Web of Science	20(1), 2024	2278-3008	3.8
30	A Review on the Prevention of Aging and Aging Associated Diseases	Mrs. Nirupama	Advanced Journal of Pharmaceutical and Research	Scopus	1(5), 2024	3048-…	1.1
31	A Review on Opioids Induced in Severity of Chronic Pancreatitis	Mrs. U. Nirupama	International Journal of All Research Education and Scientific Methods	Web of Science	12(11), 2024	2455-6211	2.1
32	A Review on the Prevention of Aging and Aging Associated Diseases	Mrs. Nirupama	Advanced Journal of Pharmaceutical Research and Review	Scopus	1(5), 2024	3048-…	2.5
33	A Review: Colon Targeted Drug Delivery System	Dr. K. Umasankar	Indo American Journal of Pharmaceutical Research	Peer Reviewed	14(01), 2024	2231-6876	6.754
34	Plant Review on *Solanum lycopersicum* (Tomato)	Dr. V. Jayasankar Reddy	Indo American Journal of Pharmaceutical Sciences	Peer Reviewed	11(11), 2024	2349-7750	7.381

35	Review on *Achyranthes aspera* Plant	Dr. V. Jayasankar Reddy	Indo American Journal of Pharmaceutical Sciences	Peer Reviewed	11(11), 2024	2349-7750	7.381
36	Review on Plant: *Moringa oleifera*	Dr. V. Jayasankar Reddy	Indo American Journal of Pharmaceutical Sciences	Peer Reviewed	11(11), 2024	2349-7750	7.381
37	Review on Plant: *Chrozophora rottleri*	Dr. V. Jayasankar Reddy	Indo American Journal of Pharmaceutical Sciences	Peer Reviewed	11(11), 2024	2349-7750	7.381
38	A Review on *Sideritis* Plant	Dr. V. Jayasankar Reddy	Indo American Journal of Pharmaceutical Sciences	Peer Reviewed	11(11), 2024	2349-7750	7.381
39	A Review Article on *Syzygium cumini*	Dr. V. Jayasankar Reddy	Indo American Journal of Pharmaceutical Sciences	Peer Reviewed	11(11), 2024	2349-7750	7.381
40	A Review of Phytochemicals with Anti-Depressant Properties	Mrs. Y. Chandravadana	Indo American Journal of Pharmaceutical Sciences	Peer Reviewed	11(11), 2024	2349-7750	7.381
41	A Novel RP-UPLC Method Development and Validation for the Simultaneous Determination of Ferulic Acid and Vanillic Acid in Haritaki Tablets	K. Navyaja	Advances in Bioresearch	Web of Science	16(2)	2277-1573	0.9
42	Role of Chromosomal Instability in Cancer – An Update	Dr. V. Jayasankar Reddy	Asian Journal of Pharmaceutics	Web of Science	19(12), 2025	0973-8398	0.3
43	Metabolic Transformation: Insights into Fecal Microbiota Transplantation for Restoring Gut Balance and Effective Administration	Dr. V. Jayasankar Reddy	Current Molecular Pharmacology	Web of Science	2024	1874-4672	7.2
44	Nanofluidic Innovations and Advances in Fabrication of Lab-on-a-Chip Systems in Healthcare to Bridge Nanoengineering and Medicine	Dr. V. Jayasankar Reddy	Hybrid Advances	Scopus	10, 2025	2773-207X	10.57
45	A Review: Colon Targeted Drug Delivery System	Dr. K. Umasankar	Indo American Journal of Pharmaceutical Research	Peer Reviewed	14(01), 2024	2231-6876	6.754

46	A Review Article On Artificial Intelligence In Pharma Industry And Health Care Sector	Dr.K.Umasankar	Indo American Journal of Pharmaceutical Research	Peer Reviewed	11(01), 2024	2349-7750	7.18
47	Formulation, Design, And Evaluation Of Valsartan Sodiumsustained-Release Matrix Tablet	Dr.K.Umasankar	The Journal of Multidisciplinary Research (TJMDR)	Peer Reviewed	4(2), 2024	2583-0317	-

Details of Research Publications and Bibliometric Indicators - 2023

S. No.	Title of the Research Paper	Author Position & Name	Journal Name	Indexing Status	Volume, Issue & Year	ISSN	Journal Impact Factor
1	Formulation, Design, and Evaluation of Valsartan Sodium Sustained-Release Matrix Tablets	Ms. G. Himabindhu	The Journal of Multidisciplinary Research (TJMDR)	Peer Reviewed	4(2), 2023	2583-0317	No
2	Stability Indicating RP-HPLC Method Development and Validation for Estimation of Crisaborole in Topical Dosage Form	Mr. K. V. Nanda Kumar	Journal of Innovations in Applied Pharmaceutical Science (JIAPS)	Peer Reviewed	8(3), 2023	2455-5177	5.965
3	A Stability Indicating Assay Method Development and Validation for the Estimation of Empagliflozin and Metformin Hydrochloride	Mr. K. V. Nanda Kumar	International Journal of Pharmaceutics and Drug Analysis	Peer Reviewed	11(4), 2023	2348-8948	No
4	Biomarkers for Early Detection of Ovarian Cancer: A Review	Mr. K. V. Nanda Kumar	Asian Pacific Journal of Environment and Cancer	Scopus	9(1), 2023	2538-4635	1.03
5	Biomarker Panel for Early Detection in Uterine Cancer: A Review	Mr. K. V. Nanda Kumar	Asian Pacific Journal of Environment and Cancer	Scopus	9(2), 2023	2538-4635	0.321
6	Comprehensive Analysis of Biomarkers in Vulvar Cancer: Unveiling the Roles of EGFR, GLUT1, MUC1, MRP1, P16, PD-L1, and P53 – A Review	Mr. K. V. Nanda Kumar	Asian Pacific Journal of Environment and Cancer	Scopus	9(1), 2023	2588-3682	0.189

7	Aspirin in Cardiovascular Diseases: An Effective Tool for Prevention and Treatment	Dr. K. Thirumala Naik	European Journal of Pharmaceutical and Medical Research	Scopus	10(7), 2023	2394-3211	6.222
8	A Case Report on Tubercular Lymphadenitis with Seizure	Dr. K. Thirumala Naik	International Journal of Scientific Development and Research (IJSDR)	Peer Reviewed	9(5), 2024	2455-2631	9.15
9	Preliminary Study on Phytonutrients Constituents and the Anti-oxidant Potential of *Gracilaria opuntia* of Rameswaram Coast, India	Mr. V. S. Chandrasekaran	Journal of Survey in Fisheries Sciences	Peer Reviewed	10(4S), 2024	Print ISSN: 0975-1131; E-ISSN: 1742-6596	0.59
10	Tetrandrine, an Effective Inhibitor of COVID-19 Main Protease (Mpro): Insights from Molecular Docking and Dynamics Simulations	B. Swapna	International Journal of Pharmaceutical Investigation	Scopus	13(4), 2023	2230-973X	0.5
11	Stability Indicating RP-HPLC Method Development and Validation for Estimation of Crisaborole in Topical Dosage Form	B. Swapna	Journal of Innovations in Applied Pharmaceutical Science (JIAPS)	Scopus	8(3), 2023	2455-5177	5.832
12	HPLC Method Development, Validation, and Determination of Valganciclovir	B. Swapna	International Journal of Novel Research and Development	Peer Reviewed	9(1), 2024	2456-4184	8.76
13	HPLC Method Development for Dolutegravir Sodium (DTG) in Bulk and in Formulation	B. Swapna	Journal for Basic Sciences	Scopus	23(9), 2023	1006-8341	6.1
14	A Prospective Study on Independent Determinants of Appetite Impairment among Dialysis Patients	Mrs. C. Mohana	International Journal of Creative Research Thoughts	Peer Reviewed	23(6), 2023	1006-8341	6.1

15	Development and Validation of RP-HPLC Method for the Estimation of Plecanatide from Bulk and Pharmaceutical Dosage Form	Mrs. U. Nirupama	World Journal of Current Medical and Pharmaceutical Research	Scopus	2(2), 2023	2582-0222	1.8
16	Development and Validation of HPLC Method for Estimation of Iguratimod in Formulation	Mrs. U. Nirupama	International Journal of Novel Research and Development	Scopus	9(1), 2024	2456-4184	3
17	Advancing Pharmacy With Virtual	Mrs. U. Nirupama	Journal of Emerging Technologies and Innovative Research	Scopus	10(11), 2023	2349-5162	7.5
18	New Developments in Behavioural Pharmacology	Mrs. U. Nirupama	International Journal of Research and Analytical Reviews	Scopus	10(4), Nov. 2023	2348-1269	7.19
19	Neuroprotective Potential of Total Extract of *Ulva lactuca*: An *In vitro* Study	Dr. V. Jayasankar Reddy	RJPT	Scopus	16(12), 2024	0974-3618	0.91
20	Development and Assessment of a Transdermal *Cissus quadrangularis* L. Patch for Arthritis Management	Dr. V. Jayasankar Reddy	International Journal of Zoological Investigations	Peer Reviewed	10(1), 2024	2454-3055	6.28
21	*Ulva lactuca* Ameliorates the Bisphenol A Induced Neurotoxicity in Zebrafish: An Experimental Approach	Dr. V. Jayasankar Reddy	African Journal of Biological Sciences	Other	6(8), 2024	2663-2187	0.2
22	HPLC Method Development, Validation, and Determination of Valganciclovir	V. S. Chandrasekharan	International Journal of Novel Research and Development	Peer Reviewed	9(1), 2024	2456-4184	8.76
23	HPLC Method Development, Validation, and Determination of Valganciclovir	K. Navyaja	International Journal of Novel Research and Development	Peer Reviewed	9(1), 2024	2456-4184	8.76
24	Formulation and Comparative Evaluation of Aceclofenac Oral Disintegrating Tablets	Dr. K. Umasankar	Journal for Basic Sciences	Peer Reviewed	23(9), 2023	1006-8341	6.1

25	Formulation and Evaluation of Amoxicillin Trihydrate Carbon Nanotubes	Dr. K. Umasankar	GIS Science Journal	Peer Reviewed	10(12), 2023	1869-9391	6.8
26	Formulation and *In vitro* Evaluation of Sustained Release Matrix Tablets of Ibuprofen	Dr. K. Umasankar	GIS Science Journal	Peer Reviewed	10(7), 2023	1869-9391	6.8
27	Formulation and Evaluation of Lomefloxacin Hydrochloride Floating Microspheres	Dr. K. Umasankar	GIS Science Journal	Peer Reviewed	10(7), 2023	1869	6.8
28	Formulation and Evaluation of Ramipril Extended Release Tablet	Dr. K. Umasankar	GIS Science Journal	Peer Reviewed	10(7), 2023	1869	6.8
29	Formulation and Evaluation of *Melia azedarach* Nanogel Anti-fungal Activity	Dr. K. Umasankar	GIS Science Journal	Peer Reviewed	10(7), 2023	1869	6.8
30	Formulation and *In vitro* Evaluation of Sustained Release Matrix Tablet of Azathioprine	Dr. K. Umasankar	GIS Science Journal	Peer Reviewed	10(7), 2023	1869	6.8
31	Formulation And Evaluation Of Diltiazem Hydrochloride Controlled Release Tablets By Using Polymers	Dr.K.Umasankar	Journal For Basic Sciences	Peer Reviewed	23(9), 2023	1006-8341	6.8
32	Investigation Of Physicochemical Characterization Of Flutamide Co-Crystals By Supramolecule Technique	Dr.K.Umasankar	Journal For Basic Sciences	Peer Reviewed	23(9), 2023	1006-8341	6.8
33	Harmonized Regulaory Guidelines, Validation, Marketed Probiotic Formulation	A Lavanya	Journal Of Xidian University	Peer Reviewed	17(9), 2023	1001-2400	1.5

Year-wise Books and Book Chapters Published

Sl No	TITLE	2025	2024	2023
1	Books	0	3	5
2	Book Chapters	10	2	0

Details of Faculty Authored Textbooks

Sl No	Name of Author	Title of Text Book	ISBN NO	Year	Name of Publisher
1	Dr V Jayasankar Reddy	Text Book of Human Anatomy & Physiology	978-93-6087-330-1	2023	Shashwat Publications, Chhattisgarh
2	Dr V Jayasankar Reddy	Text Book of Advanced Pharmacology-I	978-93-6087-936-5	2023	Shashwat Publications
3	Dr V Jayasankar Reddy	A Text Book of Pharmacology -III	978-93-6087-479-7	2023	Shashwat Publications
4	Dr V Jayasankar Reddy	A Text Book of Pharmacy Practice	978-93-6087-754-5	2023	Shashwat Publications
5	Dr V Jayasankar Reddy	A Text Book of Pharmacology -I	978-93-6087-259-5	2023	Shashwat Publications
6	Dr V Jayasankar Reddy	A Text Book of Pathophysiology	978-93-6087-818-4	2024	Shashwat Publications
7	Dr V Jayasankar Reddy	A Text Book of Pharmacology	978-93-6087-465-0	2024	Shashwat Publications
8	Dr V Jayasankar Reddy	A Text Book of Biostatistics and Research Methodology	978-93-6087-622-7	2024	Shashwat Publications

Details of Faculty Contributions to Book Chapters

Sl No.	Authors Name	Book Chapter Title	ISBN NO.	Year of Publication
1	Mrs. C.Shilpaja	Zt Ai-63 Design And Evaluation Of Inhalable Lipid Nano Particles Of Bedusonide For Enhanced Pulmonary Targeting In Asthma.	978-81-969023-7-7	2025
2	Dr.A.Kiran Kumar	Modern Instrumental Techniques For Evaluation For Apis And Drug Produts.	978-93-6233-506-7	2025
3	Dr.A.Kiran Kumar	Toxicology And Biocompatibility Of Solid Lipid Nanoparticles.	978-81-971590-3-1	2025
4	Dr.MS. Divaya Sree	Traditonal Medicine: Healing Perception Across Continents.	978-81-989217-2-7	2025
5	Dr.K. Umashankar	Solid Lipid Nano Particles: Fumdamentals, Designs And Application.	9678-81-971590-3-9	2025
6	Dr.Lavanya Yaidikar	Lipid Selection and Drug Compatability	9678-81-971590-3-9	2025

7	Dr.Sarah Sujitha	Intrvenous Delivery Of Slns: A Nano Carrier Approach For Optimised Therapeutics.	9678-81-971590-3-9	2025
8	Mrs. A Lavanya	Exposing The Effect Of Soft Drinks On Healthy Organs.	978-93-6135-790-9	2024
9	Dr V. Jaya Sankar Reddy	Molecular Design at the Nanoscale: The Chemistry of Precision of Drugs	-	2025
10	Dr V. Jaya Sankar Reddy	Nanotoxicology and Biocompatability: A Medicinal Chemistry Perspective	-	2025
11	Dr V. Jaya Sankar Reddy	The Next Frontier: Self Assembling and Biohybrid Nanodrugs	-	2025

Faculty-guided Ph.D. Scholars: Year-wise Status

Sl NO	Title	2025	2024	2023
1	PhD Pursuing	1	3	2
2	PhD Awarded	2	-	-

Details of Ph.D. Scholars – Awarded and Pursuing

Sl NO	Name of the PhD Scholar	Registration Number	Name of the Department	Name of the Guide	Year of Registration	Year of Award	Name of the University
1	Dr K NaveenaKumari	U03P190642	Pharmacology	Dr. V. Jayasankar Reddy	2019	2026	SRM
2	Dr V S Chandrasekharan	U03P190639	Pharmaceutics	Dr. K. Umasankar	2019	2025	SRM
3	Mr P Sai Sunil	23PH1310	Pharmaceutics	Dr. K. Umasankar	2024	Pursuing	JNTUA

Faculty-wise Quality Publications and Citation Metrics

S. No.	Name of Faculty Member	Total Number of Publications	Google Scholar Citations	h-index	i10-index
1	Dr. V. Jayasankar Reddy	40	278	7	7
2	Dr. K. Umasankar	81	209	7	6
3	Dr. LavanyaYaidikar	33	342	5	5
4	Dr. GummallaPrasanthi	20	329	5	5
5	Dr. ArunaGundala	15	210	7	7
6	Dr. MS Divyasree	10	84	3	2
7	Dr. A. Kiran Kumar	14	0	0	0
8	Dr. Syed Mohammed Shafiulla	12	0	0	0
9	Dr. G. Ballammal	10	0	0	0
10	Dr. B. HaseenaBhanu	10	461	5	4

11	Dr. T. Sunilkumar Reddy	10	0	0	0
12	Dr. T. Nageswara Rao	10	0	0	0
13	Mrs. Y. Chandravadana	12	0	0	0
14	Dr. K. Navyaja	12	18	3	0
15	Mr. KV Nanda Kumar	15	1	1	0
16	Mr. M. Guravareddy	26	0	0	0
17	Mrs. CheekatiVatsalya	2	0	0	0
18	Mrs. Deepthi Roshan Darja	2	0	0	0
19	Mrs. A. Lavanya	15	1	1	0
20	Mr. K. Bharath Kumar	2	0	0	0
21	Mrs. C. Shilpaja	10	7	1	0
22	Mr. V. Yogeeswara Rao	7	0	0	0
23	Mrs. UrakanaNirupama	9	0	0	0
24	Ms. A. Kavitha	2	0	0	0
25	Mr. M. Lokesh 2Reddy	2	0	0	0
26	Mr. K. Anil	4	0	0	0
27	Ms. K. Roopa	3	0	0	0
28	Mrs. M. Saranya	3	0	0	0
29	Ms. G. HimaBindu	7	0	0	0
30	Mrs. C. Hemalatha	1	0	0	0
31	Mr. N. Charan Sai	3	0	0	0
32	Mrs. KosanaipalliNandini	2	0	0	0
33	Mrs. M. Bhanumathi	4	0	0	0
34	Ms. S. Thasneem	2	0	0	0
35	Mrs. P. Vasavi	2	0	0	0
36	Mrs. K. Sagarika	1	0	0	0
37	Mrs. A. E. Sivagami	0	0	0	0
38	Mrs. M. Vinitha	18	0	0	0
39	Dr. K. ThirumalaNaik	2	0	0	0
40	Dr. D. Naga Swetha	7	0	0	0
41	Dr. C. Mohana	3	0	0	0
42	Dr. K. Tirumalesh	4	0	0	0
43	G. Divya	2	0	0	0
44	Dr. C. Bhuvaneswar Rao	14	12	1	1

45	Dr. S. Sarah Sujitha	12	62	4	2
46	Dr. K. Venugopal	35	0	0	0
47	Dr. B. PoornimaChandran	20	0	0	0
48	V. S. Chandrasekaran	12	0	0	0
49	Dr. M. Kishore Babu	25	268	7	5
50	Dr. V. Prabakharan	20	0	0	0
51	Dr. P. Vasanth Kumar	25	0	0	0
52	Mrs. B. Swapna	8	0	0	0
53	Mr. E. Sunil Kumar	15	14	2	0
54	Mr. T. SarathBabu	4	0	0	0
55	Miss S. Sravani	1	0	0	0
56	Mrs. Syed Mobeen	1	0	0	0
57	Dr. K. Ramesh Reddy	20	173	5	3

5.7.2 Sponsored Research (10)

Institute Marks : 2

2025-26

Project Title	Duration	Funding Agency	Amount (in Rupees)
Formulation and optimization of Rosuvastatin Calcium fast disintegrating tablet using artificial neural network based MLP Model	12 Months	SEED GRANT	36000.00
Comparitive Evaluation of Glimipride & sitagliptin with Metformin in Type II Diabetic Mellitus	12 Months	SEED GRANT	39000.00
Design and Development of Brain Targeted Drug Delivery System	12 Months	SEED GRANT	37000.00
Synthesis, Characterization and Biological Activity of Aryl Haloginated Heterocyclic Containing Nitrogen and Sulphur	12 Months	SEED GRANT	36000.00
			Total Amount(X): 148000.00

2024-25

Project Title	Duration	Funding Agency	Amount (in Rupees)
Formulation and evaluation of floating matrix tablets of Ketoprofen	12 Months	SEED GRANT	37000.00
Formulation, evaluation, phytochemicals & characterization of body scrub using peel from fruit of Punica granatum	12 Months	SEED GRANT	33000.00
Assessment of hepatoprotective activity of Tridax procumbens	12 Months	SEED GRANT	38000.00
Evaluation of antidepressant activity of ethanolic extract of leaves of Clitoria ternatea	12 Months	SEED GRANT	36000.00
Formulation and Evaluation of Naringin Solid Dispersions Gel	12 Months	SEED GRANT	37000.00
			Total Amount(Y): 181000.00

2023-24

Project Title	Duration	Funding Agency	Amount (in Rupees)
RP-HPLC Method Development And Validation Simultaneously Determination of Abacavir And Lamivudine	12 Months	SEED GRANT	39000.00
Hepatoprotective Effect Of Total Extract Of Ulva Lactuca Against Bisphenol A In Mice	12 Months	SEED GRANT	38000.00
Characterization and Quantification of Bioactive Phytonutrients in Marine algae Gracilaria opuntia and its pharmacological evaluation in hypothyroidism-induced rat models	12 Months	SEED GRANT	35000.00
Evaluation of The Anti-Inflammatory, Analgesic And Anti-Pyretic Activities of Acacia Seyal Root Bark	12 Months	SEED GRANT	38000.00
Revitalizing Facial Scrub: An Herbal Formulation For Glowing Skin	12 Months	SEED GRANT	36000.00
			Total Amount(Z): 186000.00

Cumulative Amount(X + Y + Z) = 515000.00

5.7.3 Consultancy (from Industry) (10) Institute Marks : 5

2025-26

Project Title	Duration	Funding Agency	Amount (in Rupees)
Preformulation studies for the Samples	12 Months	Falcon Pharmaceuticals, Hyderabad	86900.00
Quality Control test for the Samples	10 Months	Atharva Marketing Company, Hubli, Karnataka	97000.00
Incompatibility studies for the Drug and Excipients	7 Months	Cosmo Pharma, Hyderabad	53500.00
Preformulation studies for the Samples	7 Months	Falcon Pharmaceuticals, Hyderabad	67800.00
Quality Control test for the Samples	5 Months	Atharva Marketing Company, Hubli, Karnataka	54500.00
			Total Amount(X): 359700.00

2024-25

Project Title	Duration	Funding Agency	Amount (in Rupees)
Preformulation studies for the Samples	12 Months	Falcon Pharmaceuticals, Hyderabad	82000.00
Quality Control test for the Samples	10 Months	Atharva Marketing Company, Hubli, Karnataka	79000.00
Preformulation studies for the Samples	5 Months	Falcon Pharmaceuticals, Hyderabad	54300.00
Quality Control test for the API and Excipients	10 Months	Falcon Pharmaceuticals, Hyderabad	63600.00
Quality Control test for the finished products	10 Months	Atharva Marketing Company, Hubli, Karnataka	64300.00
Incompatibility studies for the Drug and Excipients	3 Months	Cosmo Pharma, Hyderabad	54300.00
			Total Amount(Y): 397500.00

2023-24

Project Title	Duration	Funding Agency	Amount (in Rupees)
Preformulation studies for the Samples	7 Months	Falcon Pharmaceuticals, Hyderabad	76000.00
Quality Control test for the Samples	10 Months	Atharva Marketing Company, Hubli, Karnataka	83200.00
Preformulation studies for the Samples	7 Months	Falcon Pharmaceuticals, Hyderabad	66600.00
Quality Control test for the Samples	10 Months	Atharva Marketing Company, Hubli, Karnataka	71000.00
Incompatibility studies for the samples	10 Months	Cosmo Pharma, Hyderabad	47800.00
			Total Amount(Z): 344600.00

Cumulative Amount(X + Y + Z) = 1101800.00

5.7.4 Honorary Consultancy from Central/State/Local Government Organizations (5) Institute Marks : 5.00

During the academic years 2023-2024, 2024–2025 and 2025–2026, the institution has actively contributed to Central and State Government organizations through the participation of its faculty members in various academic, scientific, regulatory, and expert committees. Faculty members have served on Boards of Studies, Institutional Animal Ethics Committees (IAEC) under the Committee for Control and Supervision of Experiments on Animals (CCSEA), and committees associated with statutory regulatory bodies such as the Pharmacy Council of India. They have also contributed as external examiners for academic project evaluations at State Government universities. These engagements involved providing academic expertise, scientific guidance, regulatory support, animal research oversight, and evaluation services. Such sustained participation in government bodies and statutory committees reflects the institutions commitment to contributing its faculty expertise to public-sector academic, scientific, healthcare, and regulatory initiatives during the assessment period.

Details of Faculty Honorary Consultancy and Expert Services to Government and Statutory Organizations for the academic year 2023-2024

S.NO	Name of the Faculty	Honorary Consultancy / Expert Role	Committee / Board / Organization	Central/State/Local Government Organizations	Period
1	Dr. V. Jayasankar Reddy	Scientist In-charge of Animal House Facility, Member Secretary	Committee for the purpose of Control and Supervision of Experiments on Animals (CPCSEA)	Government Of India, Ministry Of Fisheries, Animal Husbandry and Dairying, Department of Animal Husbandary and Dairying	31-05-2022 To 31-05-2027
2	Mr. K. V. Nanda Kumar	Scientist from different Biological Discipline	Committee for the purpose of Control and Supervision of Experiments on Animals (CPCSEA)	Government Of India, Ministry Of Fisheries, Animal Husbandry and Dairying, Department of Animal Husbandary and Dairying	31-05-2022 To 31-05-2027
3	Mr.VS Chandrasekaran	Scientist from different Biological Discipline	Committee for the purpose of Control and Supervision of Experiments on Animals (CPCSEA)	Government Of India, Ministry Of Fisheries, Animal Husbandry and Dairying, Department of Animal Husbandary and Dairying	31-05-2022 To 31-05-2027

Details of Faculty Honorary Consultancy and Expert Services to Government and Statutory Organizations for the academic year 2024-2025

S.NO	Name of the Faculty	Honorary Consultancy / Expert Role	Committee / Board / Organization	Central/State/Local Government Organizations	Period
1	Dr. K. Ramesh Reddy	Member	UG & PG Board Of Studies in faculty member of Pharmaceutical Sciences JNTUA	State Government	24-2-2025 To 24-2-2027
2	Dr. V. Jayasankar Reddy	Biological Scientist, Chairperson	Committee for Control and Supervision Of Experiments On Animals (CCSEA) : Revision Of Institutional Animals Ethics Committee(IAEC)	Government Of India, Ministry Of Fisheries, Animal Husbandry and Dairying	30-04-2025 To 30-05-2027
3	Dr. C. Bhuvaneswara Rao	Scientist Incharge of Animal House Facility member, Secretary	Committee for Control and Supervision Of Experiments On Animals (CCSEA) : Revision Of Institutional Animals Ethics Committee(IAEC)	Government Of India, Ministry Of Fisheries, Animal Husbandry and Dairying	30-04-2025 To 30-05-2027
4	Mr. K. V. Nanda Kumar	Scientist from different Biological Discipline	Committee for Control and Supervision Of Experiments On Animals (CCSEA) : Revision Of Institutional Animals Ethics Committee(IAEC)	Government Of India, Ministry Of Fisheries, Animal Husbandry and Dairying	30-04-2025 To 30-05-2027

5	Dr. K. Umasankar	Scientist from different Discipline	Committee for Control and Supervision Of Experiments On Animals (CCSEA) : Revision Of Institutional Animals Ethics Committee(IAEC)	Government Of India, Ministry Of Fisheries, Animal Husbandry and Dairying	30-04-2025 To 30-05-2027

Details of Faculty Honorary Consultancy and Expert Services to Government and Statutory Organizations for the academic year 2025-26

S.NO	Name of the Faculty	Honorary Consultancy / Expert Role	Committee / Board / Organization	Central/State/Local Government Organizations	Period
1	Dr. K. Umasankar	Inspector-2	Pharmacy Council Of India	Statutory Body Under Ministry Of Health & Family Welfare Government Of India	04-02-2026 To 12-02-2026
2	Mr. K. V. Nanda Kumar	Inspector	Pharmacy Council Of India	Statutory Body Under Ministry Of Health & Family Welfare Government Of India	28-03-2026
3	Dr.K.Navyaja	External Examiner For Project Work Evaluation	Sri Venkateswara University - Tirupati	State Government	29-07-2026

5.7.5 Development activities (5)

Institute Marks : 5.00

The institution promotes innovation, experiential learning and application of theoretical and practical knowledge through product development, research activities, development of instructional materials and preparation of working models and other teaching-learning aids. Faculty members and students are encouraged to undertake development-oriented activities through academic projects, research projects and departmental activities.

1. Product Development

The institution encourages students and faculty members to apply their theoretical knowledge and practical skills towards pharmaceutical product development. The activities include formulation development, optimization, evaluation and quality assessment of pharmaceutical products, novel dosage forms, herbal formulations, cosmetic preparations and novel drug-delivery systems. Students are provided opportunities to undertake formulation-oriented academic and research projects, thereby developing practical skills in product design, preparation, optimization and evaluation.

The institution also promotes innovation and intellectual property generation arising from research and product-development activities. Selected patent-related activities are presented below:

S. No.	Faculty/Inventors	Title of Patent	Application No.
1	Dr. Ramesh Reddy Kudamala, Dr. Sucharitha Palagati, Dr. J. V. Jayanakar Reddy, Dr. Girish Chiruthanur	Green Extraction of Oleuropein from Olive Leaves Using Glycerol and Evaluating Anti-Meningitis Potential	202341085390 A
2	Dr. Lavanya Yaidikar	Preparation, Characterization and Pharmacological Evaluation of Solid-Lipid Nanoparticles of *Viburnum opulus* Extract	202541068954 A
3	Mr. M. Guruvareddy	Pharmaceutical Composition with Anti-inflammatory and Analgesic Effects and its Preparation Methods	202541069126
4	L. Rama Chandra Reddy, Dr. Senthil Kumar Raju, Dr. T. Sivakumar, Dr. Farhad F. Mehta, Mr. Kundan Ganpat Ingale, Dr. V. Jayasankar Reddy, Prof. Divya Juyal, Ritusmita Samal, Suresh Babu Emandi and Dr. Ruchi Tiwari	Apparatus for Measuring Anti-inflammatory, Analgesic and Antioxidant Activity of Natural Products	403939-001
5	Dr.Nagaraju Bandaru, Dr. Pydiraju Kondrapu, Mrs. C. Shilpaja, Dr. Amareswarapu V Surendra, Mrs. Ch. Hanisha, Mrs. M. Jhansi Rani, Mr. Thulasee Nadh Reddy, Dr. Durishetty Soujanya, Dr. Roja Pathakota, Jyothi Muddagoni	Neuroprotective mechanisms of sapindus laurifolia: a natural approach to brain protection	202521123327A

The patent documents and related research records are maintained as supporting evidence of innovation and development activities.

2. Research Laboratories

The institution has dedicated research and analytical facilities that support undergraduate and postgraduate projects, faculty research, formulation development, analytical characterization, quality-control studies and experimental research. These facilities provide students and faculty members with opportunities for hands-on training and application of pharmaceutical research skills.

a) Central Instrumentation Room- The Central Instrumentation Room provides facilities for analytical characterization, quantitative analysis and quality assessment of pharmaceutical substances, formulations and research samples. Major instruments include FTIR, UV-Visible spectrophotometer, HPLC, nepheloturbidometer, fluorimeter, colorimeter and flame photometer.

b) Machine Room- The Machine Room supports formulation development, pharmaceutical manufacturing demonstrations, process optimization and evaluation of dosage forms. The major facilities include tablet compression machine, dissolution apparatus, disintegration apparatus, ball mill, humidity chamber, pH meter, capsule filling machine and ointment filling machine.

c) Animal House - The institution has an animal house facility to support approved experimental research and training activities in Pharmacological and Pharmaceutical Sciences. The facility provides appropriate infrastructure for the housing, care and maintenance of laboratory animals. Animal experimentation, wherever applicable, is undertaken only after obtaining the required ethical approval and in accordance with applicable institutional and regulatory guidelines.

The research facilities are utilized for student projects, faculty research, formulation development, analytical studies, quality-control evaluation and experimental research.

3. Instructional Materials

The institution promotes the development and use of diverse instructional materials to facilitate effective teaching-learning and improve students understanding of theoretical and practical concepts. Faculty members develop and periodically update these resources in accordance with the syllabus, course outcomes, curriculum requirements and recent developments in Pharmaceutical Sciences.

The major instructional materials developed and used include:

- Course-specific study materials aligned with the syllabus and course outcomes.
- PowerPoint presentations and multimedia/e-learning resources for effective classroom delivery.
- Practical manuals and Standard Operating Procedures (SOPs) for laboratory instruction.
- Videos and demonstrations for explaining pharmaceutical processes, mechanisms and procedures.
- Case studies and problem-based learning materials to develop analytical and problem-solving skills.
- Question banks, previous-year question papers and assessment materials for continuous evaluation and examination preparation.
- Assignments and self-learning materials to promote independent and application-oriented learning.

- Charts, posters, diagrams and student-developed presentations to support experiential learning.

These instructional materials are periodically reviewed and updated by faculty members to support outcome-based education, student-centric learning and experiential learning.

4. Working Models, Charts, Diagrams and Other Teaching Aids

The institution encourages students and faculty members to develop working models, charts, diagrams, flowcharts and other innovative teaching aids to strengthen conceptual understanding and promote creativity and innovation. The teaching aids developed include models and representations related to drug structures, Structure-Activity Relationships (SAR), synthetic pathways, mechanisms of action of drugs, drug-receptor interactions, adverse drug reactions and pharmaceutical quality-control procedures. Students actively participate in the preparation and presentation of these resources as part of academic and experiential learning activities. These activities provide students with opportunities to demonstrate technical knowledge, creativity, teamwork, communication skills and innovative thinking. The developed teaching-learning resources are maintained by the respective departments and are utilized for classroom teaching, laboratory instruction, student presentations, exhibitions and other academic activities.

The development activities are supported by relevant documentary and photographic evidence, including patent documents, student project reports, formulation-development records, laboratory and equipment records, instructional materials, practical manuals, SOPs, photographs of working models and charts, and departmental activity records. Year-wise records of the development activities are maintained by the respective departments for verification.

5.8
Faculty Performance Appraisal and Development System (FPADS)

Total Marks 20.00

(20)

Institute Marks : 20.00

A Faculty Appraisal Form is a systematic evaluation tool used by higher education pharmacy institutions to assess the performance, achievements, and professional development of faculty members in the academic year. It serves as an important component of performance management, quality assurance, and continuous improvement in higher education.

Faculty's appraisal is important because they are having wide range of responsibilities and to contribute not only to teaching, but also to research, student mentoring, institutional development, and professional service. A well-designed appraisal system aids in identifying areas for growth, acknowledging accomplishments, and coordinating faculty performance with the goals of the organization and accrediting standards.

The evaluation is predicated on a clearly defined procedure that has been implemented for each assessment year. Its application and effectiveness of the following

1. Evaluate the academic performance and teaching effectiveness.
2. Encourage continuous professional growth.
3. Promote publications, patents, consulting, and research.
4. Evaluate contributions to administrative and institutional operations.
5. Identify the requirement for training and growth.
6. Encourage choices on career advancement, awards, promotions, and increments.
7. Improve the standard of pharmacy education.

Faculty appraisal plays a vital role in:

1. Improving the quality of teaching and learning.
2. Enhancing student outcomes and results
3. Fostering innovation and research.
4. Encouraging transparency and accountability.
5. Promoting faculty involvement in outreach and academic initiatives.

KRISHNA TEJA PHARMACY COLLEGE

(Chadalawada Krishnamurthy Teja Charities)

Approved by PCI, New Delhi, Affiliated to JNTUA, Anantapur

Faculty Appraisal Form for the academic year _____

Performance Based Evaluation and Reward System (PBERS)

Section A.

Faculty Information:

Name
Gender
Date of Birth
Qualification
Designation
Specialization
Experience
Date of Joining
Date of Last Promotion
PCI Registration No

Aadhaar No	
PAN No	
Contact No	
Email ID	
Residential Address	

Section B.

Part- I. Academic Responsibility

Sl. No	Type of Activity	Score	Self – Appraisal Score	Score
1	Instructions- Lectures, Seminars, Tutorials, and Practical completed as a percentage of allotted Subjects.	90% or above - 05 85% to 90% - 04 80% to 85% - 03 70% to 80% - 02 60% to 70% - 01 Less than 60% - Nil		
2	Course Planning - Preparation of lesson plans, course files, and teaching schedules.	90% or above - 05 85% to 90% - 04 80% to 85% - 03 70% to 80% - 02 60% to 70% - 01 Less than 60% - Nil		
3	Assessment Practices- Preparation of question papers, evaluation of answer scripts, assignments, quizzes, and timely declaration of results.	90% or above - 05 85% to 90% - 04 80% to 85% - 03 70% to 80% - 02 60% to 70% - 01 Less than 60% - Nil		
4	Student Performance- Pass percentage, average marks and attainment of course outcomes (COs).	90% or above - 05 85% to 90% - 04 80% to 85% - 03 70% to 80% - 02 60% to 70% - 01 Less than 60% - Nil		
	Total	20 Marks		

Teaching Performance

Sl. No.	Course Code	Course Title	Programme	Semester	Theory Hours Assigned	Theory Hours Engaged	Practical Hours Assigned	Practical Hours Conducted	Total Hours	% Classes Engaged
1										

Course Planning

Sl.No	Activity	Yes	No	Remarks
1	Lesson Plan Prepared			
2	Teaching Plan Prepared			
3	Question Bank Prepared			
4	Course File Updated			
5	Internal Question Papers Prepared			

Assessment

Sl.No	Activity	Number
1	Question Paper Setting	
2	Internal Evaluation	
3	External Evaluation	
4	Practical Examination	
5	Invigilation	
6	Chief Superintendent / ACS	
7	Valuation	
8	Result Analysis	

Student Results

Sl.No	Course	Appeared	Passed	Pass %
1				

Part- II. Professional Development:

Sl. No	Type of Activity	Score	Self – Appraisal Score	Score
1	Faculty Attended - Faculty Development Programmes (FDPs), Workshops, Seminars, Conferences, Online Certifications	Each Activity participation Score 1 Total Score = 5		
2	Professional Memberships, Resource Person Activities, Organizing Member – Workshops, Seminars, FDPs and Conference.	Each Activity participation Score 1 Total Score = 5		
	Total	10 Marks		

II.I. Orientation / Refresher Courses / FDPs / STTPs / Workshops / MOOCs Attended

Sl. No.	Name of Programme	Organizing Agency	Place	Duration	Dates	Certificate Enclosed (Yes/No)
1						

II.II Professional Memberships/ Organizing Member

Professional Memberships.

Sl. No.	Professional Body	Membership Number	Category (Life/Annual)	Validity
1				

Registration with Statutory Bodies.

Council	Registration Number	Date of Registration	Valid Up To
Pharmacy Council			
Other Professional Council			

Part- III. Research Activities:

Sl. No	Type of Activity	Score	Self – Appraisal Score	Score
1	Research publications – National / Internationals Conference presentations -National / Internationals	Each Activity participation Score 2 Total Score = 4		
2	Books and book chapters	Each Activity participationScore 2 Total Score = 4		
3	Patents and copyrights	Each Activity participation Score 2 Total Score = 4		
4	Funded Research Projects	Total Score = 4		
5	Consultancy Work	Total Score = 4		
	Total	**20 Marks**		

III.1. Research Publications

Journal Publications

Sl.No	Title of Paper	Journal Name	ISSN	Scopus/WoS/UGC	Impact Factor	Year	Authors	Corresponding Author (Y/N)
1								
2								

III.2. Books / Book Chapters Published

Sl.No	Title	Publisher	ISBN	International/National	Authors	Year
1						
2						

III.3 Patents/ Copy Rights

Sl.No	Patent Title	Application No	National/International	Status
1				
2				

III.4 Funded Research Projects

Sl.No	Project Title	Funding Agency	Amount (₹)	PI/Co-PI	Status
1					
2					

III.5. Consultancy Work

Sl.No	Consultancy Title	Industry	Amount Received (₹)	Duration	Status
1					
2					

Part- IV. Academic and Administrative Responsibilities:

Sl. No	Type of Activity	Score	Self – Appraisal Score	Score
1	Committee memberships	**05**		
2	Departmental responsibilities	**05**		
3	Examination coordination	**05**		
4	Accreditation/Approval/Affiliation activities (NBA, NAAC, PCI)	**05**		
	Total	**20 Marks**		

IV.1. Committee Membership

S.No	Committee	Designation	Academic Year
1			

IV.2. Administrative Responsibilities

Sl.No	Responsibility	Role	Duration
1			

Examples

6. HOD
7. IQAC
8. NBA
9. NAAC
10. Examination
11. Admissions
12. Anti-Ragging
13. Women Cell

Part- V Achievements and Awards

Sl. No	Type of Activity	Score	Self – AppraisalScore	Score
1	Academic Honors	**05**		
2	Research awards	**05**		
3	Best teacher awards	**05**		
4	Recognition from professional organizations	**05**		

	Total	**20 Marks**		

Each Award Score = 01

V.1 Awards / Recognitions (Optional)

Sl. No.	Award / Recognition	Awarding Agency	Date
1			

Part- VI Extension and Community Services

Sl. No	Type of Activity	Score	Self – AppraisalScore	Score
1	Health awareness programs	**05**		
2	NSS activities (Special Camp/Regular Activities)	**05**		
3	Medical, Dental, Health and Pharmacy Camps	**05**		
4	Social outreach programs – Rally, National Days	**05**		
	Total	**10 Marks**		

Each program score = 01

VI.1. Extension and Community Services

Activity	Role	Date	Outcome
Seminar			
Industrial Visit			
NSS			
Sports			
Cultural			
Health Camp			

Summary of the Scores

Sl. No	Part of Activity	Score Allotted	Self – Appraisal Score	Verified Score
1	Part - I Academic Responsibility	20		
2	Part - II Professional Development	10		
3	Part - III Research Activities:	20		
4	Part - IV Academic and Administrative Responsibilities	20		
5	Part - V Achievements and Awards	20		
6	Part - VI Extension and Community Services	10		
	Total	100 Marks		

List of Enclosures: (If necessary, please include copies of documents, sanction orders, certificates, etc.)

Sl.No	Supporting Documents	Attached
1	Lesson Plans	

2	Course Files	
3	Attendance Register	
4	Time Table	
5	Result Analysis	
6	Student Feedback Reports	
7	Research Papers	
8	Books	
9	Book Chapters	
10	Patent Documents	
11	Project Sanction Letters	
12	Consultancy Documents	
13	FDP Certificates	
14	Conference Certificates	
15	Workshop Certificates	
16	Awards / Appreciation Certificates	
17	Committee Orders	
18	Extension Activity Reports	
19	Professional Membership Certificates	
20	Any Other Supporting Documents	

Signature of the Faculty **Verified by HOD** **Approved by Principal with Official Seal**

5.9 Visiting/Adjunct Faculty (5) Total Marks 5.00

Institute Marks : 5.00

Our College engages Visiting, Adjunct and Emeritus Faculty from relevant academic, professional and specialized domains to enrich the teaching-learning process through specialized lectures and discipline-specific academic interactions. The faculty members contribute to teaching and learning in areas such as Remedial Mathematics, Communication skills, Pharmacovigilance, Computer Aided Drug Design (CADD) and Biostatisitcs and Research Methodology. Their involvement provides students with specialized knowledge, application-oriented learning and exposure to contemporary practices beyond the regular classroom curriculum. The year-wise details of the Visiting, Adjunct and Emeritus Faculty, courses handled, classes and instructional hours are presented below.

Summary of Interaction Hours

Academic Year	Faculty Category	Courses/Subjects	Total Interaction Hours
2025–26	Visiting & Adjunct Faculty	Communication Skills Remedial Mathematics	**95**
2024–25	Adjunct Faculty	Remedial Mathematics; Biostatisitcs and Research Methodology	**89**
2023–24	Adjunct Faculty & Emeritus Faculty	Remedial Mathematics; Biostatisitcs and Research Methodology; Computer Aided Drug Design (CADD)	**189**
2022–23	Adjunct & Visiting Faculty	Remedial Mathematics; Pharmacovigilance	**101**
		Total Interaction Hours	**474**

Academic Year: 2025–2026

S. No.	Name of Faculty	Adjunct / Visiting/ Emeritus Faculty	Course	Class	No. of Hours
1	Mrs. C. Girija	Adjunct Faculty	Remedial Mathematics Code: BP106RMT	B.Pharm I Year – I Semester	**50**
2	P. Kavitha	Visiting Faculty	Communication Skills Theory Code: 23BP105T	B.Pharm I Year – I Semester	**31**
			Communication Skills Practical Code: 23BP105P	B.Pharm I Year – I Semester	**14**
				Total Interaction Hours	**95**

Academic Year: 2024–2025

S. No.	Name of Faculty	Adjunct / Visiting/ Emeritus Faculty	Course	Class	No. of Hours
1	Mrs. C. Girija	Adjunct Faculty	Remedial Mathematics Code: BP106RMT	B.Pharm I Year – I Semester	**48**
			Biostatisitcs and Research Methodology(Theory) Code: BP801T	B.Pharm IV Year – II Semester	**41**
				Total Interaction Hours	**89**

Academic Year: 2023–2024

S. No.	Name of Faculty	Adjunct / Visiting/ Emeritus Faculty	Course	Class	No. of Hours
1	Mrs. C. Girija	Adjunct Faculty	Remedial Mathematics Code: BP106RMT	B.Pharm I Year – I Semester	**48**
			Biostatisitcs and Research Methodology(Theory) Code: BP801T	B.Pharm IV Year – II Semester	**45**
2	G. Umamaheswara Rao	Visiting Faculty	Pharmacovigilance Code: BP 805T	B.Pharm IV Year – II Semester	**49**
3	Dr.P.Venkata Ramaiah	Emeritus Faculty	Computer Aided Drug Design Code : BP807ET	B.Pharm IV Year – II Semester	**47**
				Total Interaction Hours	**189**

Academic Year: 2022–2023

S. No.	Name of Faculty	Adjunct / Visiting/ Emeritus Faculty	Course	Class	No. of Hours
1	Mrs. C. Girija	Adjunct Faculty	Remedial Mathematics Code: BP106RMT	B.Pharm I Year – I Semester	**52**
2	G. Umamaheswara Rao	Visiting Faculty	Pharmacovigilance Code: BP 805T	B.Pharm IV Year – II Semester	**49**
				Total Interaction Hours	**101**

6 FACILITIES (120)

Total Marks 120.00

6.1 Availability of adequate, well-equipped classrooms to meet the curriculum requirements (20)

Total Marks 20.00

Institute Marks : 20.00

The Institute has adequate classrooms for conducting lectures and tutorials for the B. Pharm program. All classrooms are spacious, well- ventilated, and receive ample natural light. Each classroom is well furnished and equipped with facilities such as whiteboards, podiums, Benches, tube lights, fans, LCD projectors, high-speed Wi-Fi connectivity, uninterrupted power supply, and CCTV surveillance. The Institute has also provided sufficient rooms for tutorials and remedial classes to support the academic improvement of slow learners. Examinations are conducted in the classrooms under proper surveillance. An air-conditioned Auditorium and a seminar hall, each with a seating capacity of 200, are available for conducting seminars, guest lectures, workshops, and other academic events. The seminar hall and auditorium are equipped with all necessary facilities to support such activities. Each laboratory functions according to a specific schedule as prescribed in the timetable of the respective semester and branch. Technical support is provided by qualified laboratory technicians under the guidance and supervision of faculty members. The details of the classrooms along with the facilities available are provided in the table below.

.**Table 6.1: Facilities for Curriculum**

Room Description	Room Number	Capacity (per class room	Dimensions with area in Sq. Mtrs	Rooms/ Labs Equipped with
B. PHARMACY				
Class Room – 1	001	50	75	LCD Projector, WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
Class Room – 2	002	50	75	LCD Projector, WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
Class Room – 3	003	50	75	LCD Projector, WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
Class Room – 4	004	50	75	LCD Projector, WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
Class Room – 5	005	50	75	LCD Projector, WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
Class Room – 6	006	50	75	LCD Projector, WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
Class Room – 7	007	50	75	LCD Projector, WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
Class Room – 8	012	50	75	LCD Projector, WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
Seminar Hall/Room	201A	200	250	LCD Projector, WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
Auditorium	311	300	250	LCD Projector, WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
TUTORIAL				

Tutorial - 1	105A	20	75	WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
Tutorial – 2	106A	20	75	WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
Tutorial – 3	108A	20	75	WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
Tutorial – 4	112A	20	75	WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
M. PHARMACY				
PG Class Room - 1	111A	15	75	LCD Projector, WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
PG Class Room - 2	112	15	75	LCD Projector, WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
PG Class Room - 3	203	15	75	LCD Projector, WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
PG Class Room - 4	204	15	75	LCD Projector, WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
PG Class Room - 5	108	15	75	LCD Projector, WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
PHARM.D				
Pharm.D Class Room – 1	101	30	75	LCD Projector, WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
Pharm.D Class Room – 2	102	30	75	LCD Projector, WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
Pharm.D Class Room – 3	105	30	75	LCD Projector, WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
Pharm.D Class Room – 4	106	30	75	LCD Projector, WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners
PHARM.D PB				

PB Class Room – 1	011	10	75	LCD Projector, WI-Fi, CCTV, Desks, Podium, White board, Chair, Fans, Air conditioners

6.2 Faculty rooms (10) Total Marks 10.00

Institute Marks : 10.00

- Adequate staff rooms are available on different floors of the Institute, conveniently located near the respective laboratories and work areas.
- All staff rooms are well furnished with necessary furniture, seating arrangements, and storage cupboards.
- Internet access is provided through high-speed Wi-Fi connectivity to support academic and administrative activities.
- Faculty rooms serve as spaces for student counselling and mentoring, where students can discuss academic and personal concerns and have their doubts clarified by faculty members.
- Training and placement-related activities are carried out through the Training and Placement Cell.
- Activities pertaining to women's welfare and empowerment are coordinated through the Womens Development Cell.
- National Service Scheme (NSS) programs and related activities are planned, initiated, and discussed in the NSS room.

Table 6.2: Details of the faculty rooms along with other facilities

S. No	Description	Room Number	Number for seating place in each room
1	Staff Room - 1	103A	3
2	Staff Room – 2	103B	3
3	Staff Room – 3	103C	3
4	Staff Room – 4	103D	3
5	Staff Room - 5	104A	3
6	Staff Room – 6	104B	3
7	Staff Room – 7	104C	3
8	Staff Room – 8	104D	3
9	Staff Room – 9	107A	3
10	Staff Room – 10	107B	3
11	Staff Room - 11	107C	3
12	Staff Room - 12	107D	3
13	Staff Room - 13	110A	3
14	Staff Room - 14	110B	3
15	Staff Room - 15	110C	3
16	Staff Room – 16	110D	3
17	Staff Room – 17	202A	3
18	Staff Room – 18	202B	3
19	Staff Room – 19	202C	3
20	Staff Room - 20	202D	3
21	Office Room	208A	3
22	Principal Chambers	208B	1
23	Board Room	208C	60
24	Drug Information Centre	310	4
25	Examination Branch	207	4

6.3 Laboratories including preparation room (wherever applicable), instrument/machine room and computer labs along with equipment and relevant facilities (60) Total Marks 60.00

Institute Marks : 60.00

The Institute has an adequate number of well-equipped laboratories to effectively conduct all program-specific practical courses prescribed in the curriculum. The details of the laboratories are presented in Table 6.3. Each laboratory is provided with essential facilities such as gas and water supply, proper drainage systems, fire extinguishers, first-aid boxes, fume cupboards, exhaust fans, and other safety measures to ensure a conducive and secure working environment. B. Pharmacy students are permitted to utilize postgraduate laboratory facilities and sophisticated instruments such as FT-IR Spectrophotometers, UV-Visible Spectrophotometers, HPLC systems, and other advanced equipment for academic and research purposes. Students are also allowed access to laboratories beyond regular college hours to support project work, research activities, and practical learning. Laboratory staff members extend technical assistance and support whenever required.

All laboratories are equipped with adequate electrical and plumbing facilities and are supported by an uninterrupted power supply. Most laboratories are designed with dual exits to enhance safety and facilitate smooth movement during practical sessions. A number of B. Pharmacy students undertake summer project work, utilizing the available laboratory infrastructure and resources. The practical experiments conducted in each laboratory strictly adhere to the curriculum and guidelines prescribed by JNTUA.

Note: Separate tables have been provided for the Instrument Room and Machine Room, detailing all available instruments and equipment along with their make and model. Standard Operating Procedures (SOPs) and log books are maintained for each individual instrument/equipment to ensure proper operation, maintenance, and documentation.

The specialisation-wise list of equipment and instruments available in each laboratory is presented below.

Pharmacology

S. No	Instrument/Equipment	Make/Model	SOPs
1	Microscope with stage micrometer	REMI	Available
2	Dissection Tray and Boards	4238	Available
3	Levers, cannula	3489	Available
4	Moisture balance	G4290C	Available
5	Water Testing Kit	6321	Available
6	Pulse Oximeter	H134D2	Available
7	Digital BP Instrument	1235INDA	Available
8	Stimulator	2145	Available
9	Clevenger’s apparatus	2345	Available
10	Rotarod	4690	Available
11	Digital Thermometer	5864	Available
12	Sherrington Drum	5841	Available
13	Soxhlet apparatus	3657	Available
14	Glucometer	2568	Available
15	Plethysmograph	2587	Available
16	Permanent slide set of plants and charts for Pharmacognosy Lab	5412	Available
17	Human Permanent Slides for various tissues	326	Available
18	Convulsiometer	3254	Available
19	Heating mantle	KHM5	Available
20	Myographic Lever	1258	Available
21	Haemostatic artery forceps	325	Available
22	Sherrington’s Kymograph Machine / Polyrite	2154	Available
23	Peak Flow meter	241	Available

24	Folin-Wu tubes	2365	Available
25	Actophotometer	254	Available
26	Mercury Thermometer	5812	Available
27	Sahli s haemoglobinometers	JERMAN	Available
28	Stethoscopes	Diamond	Available
29	Haemocytometer with Micropipettes	JERMAN	Available
30	Analgesiometer (Eddy s hot plate and radiant heat methods)	3654	Available
31	Muscle electrodes	2564	Available
32	Sphygmomanometers	DIMOND	Available
33	Centrifuge	3698	Available

Pharmaceutics

S. No	Instrument/Equipment	Make/Model	SOPs
1	Homogenizer	REMI1256	Available
2	Ball mill	3214	Available
3	Standard sieves, sieve no. 8, 10, 12,22,24, 44,54,60,80,85, 100,120	5809	Available
4	Ball mil	3214	Available
5	Desiccator	7903	Available
6	Brookfield s viscometer	DV-2	Available
7	Bulk Density Apparatuseach123	REMI	Available
8	Buchner Funnels (Small, medium, large)	2564	Available
9	Stage and eye piece micrometers	JAPAN	Available
10	Propeller type mechanical agitator	15625	Available
11	Filtration assembly with Vacuum Pump	3256	Available
12	Ostwald s viscometer	2564	Available
13	Conical Percolator (glass/ copper/ stainless steel)	CLAMPUS	Available
14	Tablet counter - small size	3695	Available
15	Digital balance (10mg)	SHIMADZUCAP 1	Available
16	Capsule Counter	5641	Available
17	Micrometre slide Stage	MR12566	Available
18	Permeability Cups	3564	Available
19	Pestle and mortar porcelain	3698	Available
20	Desiccator	369	Available
21	Magnetic stirrer, 500ml and 1 litter capacity with speed control	REMI	Available

22	Stalagmometer	2562	Available
23	Tray dryer	C TO 150	Available
24	Andreasen s Pipette	6789	Available
25	Lipstick moulds	2587	Available
26	Ointment spatula	3478	Available
27	Suppository moulds	8541	Available
28	Double cone blender	9045	Available
29	Tablet dissolution test apparatus IP (Digital single/double Unit)	5802	Available
30	Humidity Control Oven	1256G	Available

Machine Room

S.No	Instrument/Equipment	Make/Model	SOPs
1	Ampoule washing machine	3258	Available
2	Bottle washing Machine	4590	Available
3	Capsule filling machine	1589	Available
4	Automated Single Station Tablet punching machine	KMP-D-8	Available
5	Friability test apparatus (Digital Single/Double unit)	3697	Available
6	Monsanto s hardness tester	5641	Available
7	Sieve shaker with sieve set	5241	Available
8	Bottle Sealing Machine	5874	Available
9	Liquid Filling Machin	3254	Available
10	All-purpose equipment with all accessories	854	Available

Central Instrumentation Lab

S. No	Instrument/Equipment	Make/Model	SOPs
1	Potentiometer	E1	Available
2	Deep Freezer	5647	Available
3	Fourier Transform Infra-Red Spectrometer	8534	Available
4	HPLC	G4290C	Available
5	Colorimeter	CL223	Available
6	UV- Visible Spectrophotometer	G1115AA-UV	Available
7	Conductivity meter	304	Available
8	Nephelo Turbidity meter	CL-520ELICO	Available
9	Flame Photometer	3268	Available

Microbiology & Biotechnology

S. No	Instrument/Equipment	Make/Model	SOPs
1	Digital pH meter	LI120	Available
2	Hot air oven	6523	Available
3	Distillation unit	4lus	Available
4	Vacuum pump	BRANDSH	Available
5	Micropipettes (Single and multi channeled)	3654	Available
6	Autoclave	CL380	Available
7	Flourimeter	3254	Available
8	Projection microscope	4125	Available
9	Colony counter	3652	Available
10	Permanent slide of different microbes	2567	Available
11	Zone reader	9056	Available
12	Physical and Chemical Balance	5658	Available
13	BOD incubator	165	Available

Pharmaceutical Chemistry & Analysis

S. No	Instrument/Equipment	Make/Model	SOPs
1	ICH Stability chamber with temperature & humidity features	3654	Available
2	Tonometer	2468	Available
3	Passive avoidance apparatus / Morris water maze	2547	Available
4	Water distillation unit	Bhanu inD pvt.	Available
5	UV spectrophotometer (double beam)	ECCN:3A999.F	Available
6	ICH Stability chamber with temperature & humidity features	3654	Available
7	Passive avoidance apparatus	2547	Available
8	Water distillation unit	Bhanu inD pvt.	Available
9	UV spectrophotometer (double beam)	ECCN:3A999.F	Available
10	TLC chamber and sprayer	2564	Available
11	Heating mantle	KHM5	Available
12	Digital Melting Point Apparatus	JSGWC1206	Available
13	Magnetic Stirrers with Thermostat	1CAPREMI	Available
14	Thermostatic Water Bath	KWB-120A	Available

15	Arsenic Limit Test Apparatus	5654	Available

PG. Pharmacology Lab

S. No	Instrument/Equipment	Make/Model	SOPs
1	Brightfield microscope with image analyser	2584	Available
2	Clevenger apparatus	5245	Available
3	Plethysmometer	5842	Available
4	Extruder and Spheronizer	2534	Available
5	Water bath (Single hole and six hole)	3267	Available
6	Bulk density apparatus	2356	Available
7	Narrow Beam Walk	5821	Available
8	Hot air oven (minimum 18”x18”x18” internal dimensions)	kdM-KEMI	Available
9	Digital balance (0.1 mg)	258	Available
10	Digital Balance (1 mg)	KRT-600	Available
11	Heating mantle different capacity	1235	Available
12	Carbon dioxide euthanasia set-up	1569	Available
13	Tonometer	2468	Available
14	Carbon dioxide euthanasia set-up	1569	Available

Pharmacy Practice

S. No	Instrument/Equipment	Make/Model	SOPs
1	Empty cartons of variety medicines (across variety dosage forms)	365	Available
2	Dummy devices (eg. Inhalers)	3674	Available
3	Autoclave sterilizer	8541	Available
4	Sintered glass funnel with complete filtering assemble	3254	Available
5	Magnetic stirrer	LMH	Available
6	Sealing Machine	5899	Available
7	Membrane filter	6985	Available
8	Permanent slides (skin, kidney, pancreas, smooth muscle, liver etc.,)	6525F54	Available
9	Laminar air flow bench	6987	Available
10	Surgical dressing	9854	Available
11	Filtration equipment	654	Available

12	Disintegration test apparatus	TDT31	Available
13	Watch Glass	2690	Available
14	Filling Machine	3658	Available
15	Microscope	1245	Available
16	Incubator	Eacl 1	Available
17	Hardness tester	4563	Available
18	Variety of catheters	654	Available
19	Urine Bag	4870	Available
20	Variety of Needles	2456	Available
21	Oxygen masks	5689	Available
22	Different Types of bandages such as sterile gauze, cotton, crepe bandages, roll bandage etc.	4890	Available
23	IV set	1589	Available
24	RYLE s tube	7412	Available
25	Variety of Syringes	Dispro	Available
26	Colostomy bags	1467	Available

Lab Description	BatchSize	Availability of manuals	Quality of Instrument	Safty Measures	Remarks
Microbiology Lab	30	Yes	Good	Fire extinguisher	-
Aseptic Chamber	25	Yes	Good	Fume cupboard, First aid kit, Safety	-
Machine room	25	Yes	Good	Fume cupboard, First aid kit, Safety	-
Pharmacy Practice Lab -1	30	Yes	Good	Desktop computers, Printers, Proje	-
Pharmacology research Lab	20	Yes	Good	First aid kit, Fire extinguisher	-
UG Pharmacology Lab	25	Yes	Good	First aid kits, Fire extinguisher	-
PG Pharmacology Lab	20	Yes	Good	First aid kit, Fire extinguisher	-
Human Anatomy and Physiology Lab	30	Yes	Good	First aid kit, Fire extinguisher	-
Model Pharmacy	10	Yes	Good	First aid kit, Fire extinguisher	-
Central Instrumentation Room	20	Yes	Good	First aid kit, Fire extinguisher	-
Pharmaceutics Lab-1	20	Yes	Good	First aid kit, Fire extinguisher	-
Pharmaceutics Lab-2	30	Yes	Good	First aid kit, Fire extinguisher	-
Pharmaceutics Research Lab	25	Yes	Good	First aid kit, Fire extinguisher	-
Pharmaceutical Chemistry Lab-1	30	Yes	Good	Fume cupboard, First aid kit, Safety	-
Pharmaceutical Chemistry Lab-2	25	Yes	Good	Fume cupboard, First aid kit, Safety	-
Pharmaceutical Chemistry Lab-3	25	Yes	Good	Fume cupboard, First aid kit, Safety	-
Pharmaceutical Chemistry Lab-4	25	Yes	Good	Fume cupboard, First aid kit, Safety	-

Computer Lab -1	30	Yes	Good	Desktop computers, Printers, Proje	-
Pharmacognosy Lab	30	Yes	Good	First aid kit, Fire extinguisher	-
Pharmaceutics Lab -3	30	Yes	Good	First aid kit, Fire extinguisher	-
DRA Research Lab	20	Yes	Good	First aid kit, Fire extinguisher	-
Pharmacy Practice lab- 2	30	Yes	Good	First aid kit, Fire extinguisher	-
PAPQA Research Lab	20	Yes	Good	First aid kit, Fire extinguisher	-
Pharmaceutical Analysis Research Lab	20	Yes	Good	First aid kit, Fire extinguisher	-

6.4 Drug Museum (5)

Total Marks 5.00

Institute Marks : 5.00

The Institute has established pharmaceutical museums within the respective laboratories to facilitate experiential learning and enhance students understanding of pharmaceutical sciences. These museums showcase a wide range of pharmaceutical products and educational materials relevant to the curriculum.

The collections include various pharmaceutical dosage forms such as tablets, capsules, rotacaps, inhalers, eye drops, syrups, suspensions, injections, infusions, and other marketed formulations. The museums also display prescription medicines, patient education materials, and information leaflets aimed at creating awareness about various diseases and healthcare practices.

The Pharmacognosy Museum contains an extensive collection of crude drugs, including leaves, seeds, barks, roots, rhizomes, and powdered drug samples. In addition, charts illustrating the transverse sections and microscopic characteristics of crude drugs are displayed to support practical learning and identification studies.

The Drug Museum serves as an important educational resource by providing students with exposure to real-world pharmaceutical products and raw materials. It helps bridge the gap between theoretical knowledge and practical application, thereby enhancing students professional competence and understanding of the pharmaceutical industry.

6.5 Medicinal Plant Garden (5)

Total Marks 5.00

(Area, demarcation, temporary/permanent arrangement, planting of plants under the shade in demarcated areas, adequacy of the plants)

(5)

Krishna Teja Pharmacy College maintains a well-established Medicinal Plant Garden within the college campus, located near the main entrance. The garden houses a diverse collection of medicinal herbs, shrubs, and xerophytic plants, serving as an important resource for academic learning, research, and environmental awareness.

The Medicinal Plant Garden is managed by the Green Army Committee of Krishna Teja Pharmacy College, which consists of two faculty members and two student representatives from each class. The committee functions undr the guidance and supervision of the senior faculty member, Dr. M. S. Divya Sree. Routine maintenance activities, including watering, cleaning, and periodic application of pesticides, are carried out by housekeeping staff and a dedicated gardener to ensure the healthy growth of the plants.

All medicinal plants in the garden are systematically planted in appropriately demarcated areas, with suitable shade provided by surrounding trees. Each plant is labelled with a nameplate displaying both its botanical and vernacular names, facilitating easy identification and educational use. The garden occupies an area of 800 square meters and has been developed with permanent infrastructure and arrangements for long-term maintenance and sustainability.

The list of medicinal plants maintained in the garden is provided in the table below.

Table 6.12: List of Medicinal plants in medicinal garden

Sl.No	Botanical Name	Common Name	Family	Part Used	Major Chemical Constituents	Medicinal Uses
1	*Ocimum tenuiflorum*	Tulsi	Lamiaceae	Leaves	Eugenol, Ursolic acid	Cough, cold, immunity
2	*Azadirachta indica*	Neem	Meliaceae	Leaves, Bark	Azadirachtin, Nimbin	Antimicrobial, skin diseases
3	*Aloe vera*	Aloe	Asphodelaceae	Leaves	Aloin, Aloe-emodin	Burns, wound healing
4	*Withania somnifera*	Ashwagandha	Solanaceae	Roots	Withanolides	Stress, adaptogen
5	*Tinospora cordifolia*	Guduchi	Menispermaceae	Stem	Tinosporin, Berberine	Immunity, fever
6	*Phyllanthus emblica*	Amla	Phyllanthaceae	Fruit	Vitamin C, Tannins	Antioxidant
7	*Terminalia chebula*	Haritaki	Combretaceae	Fruit	Chebulagic acid	Laxative
8	*Terminalia bellirica*	Bibhitaki	Combretaceae	Fruit	Gallic acid	Digestive
9	*Curcuma longa*	Turmeric	Zingiberaceae	Rhizome	Curcumin	Anti-inflammatory
10	*Zingiber officinale*	Ginger	Zingiberaceae	Rhizome	Gingerol	Antiemetic
11	*Piper nigrum*	Black Pepper	Piperaceae	Fruit	Piperine	Digestive stimulant
12	*Piper longum*	Long Pepper	Piperaceae	Fruit	Piperlongumine	Respiratory disorders
13	*Cinnamomum verum*	Cinnamon	Lauraceae	Bark	Cinnamaldehyde	Diabetes, digestive
14	*Syzygium aromaticum*	Clove	Myrtaceae	Flower buds	Eugenol	Dental analgesic
15	*Elettaria cardamomum*	Cardamom	Zingiberaceae	Seeds	Cineole	Carminative
16	*Foeniculum vulgare*	Fennel	Apiaceae	Seeds	Anethole	Digestive
17	*Coriandrum sativum*	Coriander	Apiaceae	Seeds	Linalool	Digestive
18	*Cuminum cyminum*	Cumin	Apiaceae	Seeds	Cuminaldehyde	Flatulence
19	*Trachyspermum ammi*	Ajwain	Apiaceae	Seeds	Thymol	Indigestion
20	*Mentha arvensis*	Mint	Lamiaceae	Leaves	Menthol	Cold, indigestion
21	*Centella asiatica*	Brahmi (Mandukaparni)	Apiaceae	Whole plant	Asiaticoside	Memory enhancer
22	*Bacopa monnieri*	Brahmi	Plantaginaceae	Whole plant	Bacosides	Memory tonic
23	*Rauvolfia serpentina*	Sarpagandha	Apocynaceae	Roots	Reserpine	Hypertension
24	*Catharanthus roseus*	Periwinkle	Apocynaceae	Leaves	Vincristine, Vinblastine	Cancer
25	*Andrographis paniculata*	Kalmegh	Acanthaceae	Whole plant	Andrographolide	Liver disorders
26	*Adhatoda vasica*	Vasaka	Acanthaceae	Leaves	Vasicine	Expectorant

27	*Gymnema sylvestre*	Gudmar	Apocynaceae	Leaves	Gymnemic acids	Diabetes
28	*Pterocarpus marsupium*	Indian Kino	Fabaceae	Heartwood	Pterostilbene	Diabetes
29	*Cassia fistula*	Amaltas	Fabaceae	Pods	Anthraquinones	Laxative
30	*Senna alexandrina*	Senna	Fabaceae	Leaves	Sennosides	Constipation
31	*Cassia tora*	Chakramarda	Fabaceae	Seeds	Chrysophanol	Skin diseases
32	*Boerhavia diffusa*	Punarnava	Nyctaginaceae	Roots	Punarnavine	Diuretic
33	*Tribulus terrestris*	Gokshura	Zygophyllaceae	Fruit	Saponins	Urinary disorders
34	*Asparagus racemosus*	Shatavari	Asparagaceae	Roots	Shatavarins	Womens health
35	*Hemidesmus indicus*	Anantamul	Apocynaceae	Roots	Hemidesmin	Blood purifier
36	*Saraca asoca*	Ashoka	Fabaceae	Bark	Tannins	Gynecological disorders
37	*Mucuna pruriens*	Kapikacchu	Fabaceae	Seeds	L-Dopa	Parkinsonism
38	*Aegle marmelos*	Bael	Rutaceae	Fruit	Marmelosin	Diarrhea
39	*Murraya koenigii*	Curry Leaf	Rutaceae	Leaves	Carbazole alkaloids	Diabetes
40	*Lawsonia inermis*	Henna	Lythraceae	Leaves	Lawsone	Skin diseases
41	*Psidium guajava*	Guava	Myrtaceae	Leaves	Quercetin	Diarrhea
42	*Carica papaya*	Papaya	Caricaceae	Leaves, Fruit	Papain	Digestive
43	*Moringa oleifera*	Drumstick	Moringaceae	Leaves	Quercetin	Nutritional supplement
44	*Ficus religiosa*	Peepal	Moraceae	Bark	Tannins	Asthma
45	*Ficus benghalensis*	Banyan	Moraceae	Bark	Flavonoids	Diabetes
46	*Ficus racemosa*	Cluster Fig	Moraceae	Bark	Leucocyanidin	Diarrhea
47	*Annona squamosa*	Custard Apple	Annonaceae	Leaves	Acetogenins	Anthelmintic
48	*Punica granatum*	Pomegranate	Lythraceae	Fruit rind	Punicalagin	Diarrhea
49	*Allium sativum*	Garlic	Amaryllidaceae	Bulb	Allicin	Cardioprotective
50	*Allium cepa*	Onion	Amaryllidaceae	Bulb	Quercetin	Antioxidant
51	*Embelia ribes*	Vidanga	Primulaceae	Fruit	Embelin	Anthelmintic
52	*Plumbago zeylanica*	Chitrak	Plumbaginaceae	Root	Plumbagin	Digestive
53	*Vitex negundo*	Nirgundi	Lamiaceae	Leaves	Flavonoids	Arthritis
54	*Vitex trifolia*	Three-leaved Chaste Tree	Lamiaceae	Leaves	Iridoids	Anti-inflammatory
55	*Coleus forskohlii*	Coleus	Lamiaceae	Roots	Forskolin	Hypertension
56	*Eclipta prostrata*	Bhringraj	Asteraceae	Whole plant	Wedelolactone	Liver disorders
57	*Calendula officinalis*	Calendula	Asteraceae	Flowers	Flavonoids	Wound healing
58	*Matricaria chamomilla*	Chamomile	Asteraceae	Flowers	Apigenin	Sedative
59	*Artemisia annua*	Sweet Wormwood	Asteraceae	Leaves	Artemisinin	Malaria
60	*Stevia rebaudiana*	Stevia	Asteraceae	Leaves	Stevioside	Sweetener
61	*Cymbopogon citratus*	Lemongrass	Poaceae	Leaves	Citral	Fever

62	*Cymbopogon martinii*	Palmarosa	Poaceae	Leaves	Geraniol	Skin care
63	*Vetiveria zizanioides*	Vetiver	Poaceae	Roots	Vetiverol	Cooling
64	*Vetiveria zizanioides*	Khus	Poaceae	Roots	Vetiver oil	Cooling
65	*Ricinus communis*	Castor	Euphorbiaceae	Seeds	Ricinoleic acid	Laxative
66	*Jatropha curcas*	Jatropha	Euphorbiaceae	Seeds	Curcin	Traditional medicine
67	*Gloriosa superba*	Glory Lily	Colchicaceae	Tubers	Colchicine	Gout (processed)
68	*Digitalis purpurea*	Foxglove	Plantaginaceae	Leaves	Digoxin	Cardiac disorders
69	*Papaver somniferum*	Poppy	Papaveraceae	Latex	Morphine	Analgesic
70	*Atropa belladonna*	Belladonna	Solanaceae	Leaves	Atropine	Antispasmodic
71	*Datura metel*	Datura	Solanaceae	Leaves	Scopolamine	Asthma (traditional)
72	*Hyoscyamus niger*	Henbane	Solanaceae	Leaves	Hyoscyamine	Antispasmodic
73	*Plantago ovata*	Isabgol	Plantaginaceae	Seeds	Mucilage	Constipation
74	*Commiphora wightii*	Guggul	Burseraceae	Resin	Guggulsterones	Hyperlipidemia
75	*Boswellia serrata*	Salai	Burseraceae	Resin	Boswellic acids	Arthritis
76	*Acorus calamus*	Sweet Flag	Acoraceae	Rhizome	β-Asarone	Digestive
77	*Nardostachys jatamansi*	Jatamansi	Caprifoliaceae	Rhizome	Jatamansone	Sedative
78	*Valeriana wallichii*	Indian Valerian	Caprifoliaceae	Rhizome	Valepotriates	Sedative
79	*Saussurea costus*	Kuth	Asteraceae	Roots	Costunolide	Respiratory disorders
80	*Picrorhiza kurroa*	Kutki	Plantaginaceae	Rhizome	Picrosides	Hepatoprotective
81	*Swertia chirayita*	Chirayata	Gentianaceae	Whole plant	Amarogentin	Fever
82	*Gentiana kurroo*	Gentian	Gentianaceae	Root	Gentiopicrin	Digestive
83	*Woodfordia fruticosa*	Dhataki	Lythraceae	Flowers	Tannins	Ayurvedic fermentation
84	*Butea monosperma*	Palash	Fabaceae	Flowers	Butrin	Anthelmintic
85	*Albizia lebbeck*	Siris	Fabaceae	Bark	Saponins	Allergy
86	*Albizia amara*	Arappu	Fabaceae	Leaves	Saponins	Skin care
87	*Dalbergia sissoo*	Shisham	Fabaceae	Leaves	Flavonoids	Anti-inflammatory
88	*Ailanthus excelsa*	Maharukh	Simaroubaceae	Bark	Quassinoids	Dysentery
89	*Clitoria ternatea*	Butterfly Pea	Fabaceae	Roots	Ternatins	Memory
90	*Cassia auriculata*	Avaram	Fabaceae	Flowers	Flavonoids	Diabetes
91	*Leucas aspera*	Thumbai	Lamiaceae	Whole plant	Oleanolic acid	Cold
92	*Justicia adhatoda*	Malabar Nut	Acanthaceae	Leaves	Vasicine	Cough
93	*Ipomoea digitata*	Vidari	Convolvulaceae	Roots	Starch, Glycosides	Tonic
94	*Operculina turpethum*	Trivrit	Convolvulaceae	Roots	Turpethin	Purgative
95	*Celastrus paniculatus*	Jyotishmati	Celastraceae	Seeds	Celastrine	Memory
96	*Argemone mexicana*	Mexican Poppy	Papaveraceae	Seeds	Berberine	Skin disorders (traditional)

98	*Solanum xanthocarpum*	Kantakari	Solanaceae	Whole plant	Solasodine	Asthma
97	*Solanum nigrum*	Black Nightshade	Solanaceae	Whole plant	Solanine	Liver disorders
99	*Desmodium gangeticum*	Shalaparni	Fabaceae	Roots	Alkaloids	Fever
100	*Uraria picta*	Prishniparni	Fabaceae	Roots	Flavonoids	General tonic

6.6 Non Teaching Support (20) Total Marks 20.00

Name of the Technical Staff	Designation	Date Of Joining	Qualification		Other Technical Skill Gained	Responsibility
			AT joining	Now		
Mr. Gnana Sekhar	Administrative Officer	01/06/2019	M. Com	M. Com	-	• Answer phone calls, route inquiries, and respond to basic institutional emails. • Sort incoming mail, official circulars, and packages for distribution to departments. • Maintain physical files and digital databases using software like MS Office and Excel
Mr. P. Hema Bushan	Accountant	01/02/2020	M. Com	M. Com	-	• Track tuition, admission, and examination fee payments. • Maintain student ledgers and follow up on outstanding dues. • Issue receipts and process refunds or concessions. • Monitor chemical and equipment purchases and reconcile stock. • Process monthly salaries and staff advances, travel claims, and expense vouchers.
Mrs. G. Devika	Office Assistant	16/12/2019	BA	BA	-	• Answer phone calls, route inquiries, and respond to basic institutional emails. • Sort incoming mail, official circulars, and packages for distribution to departments. • Maintain physical files and digital databases using software like MS Office and Excel. • Schedule meetings, manage conference room bookings, and maintain appointment calendars.
Mr. K. Gopikishore	Computer Data Operator	27/01/2023	B. Com Computers	B. Com Computers	-	• Enter and update student admissions, examination marks, and attendance records. • Maintain digital archives of pharmacy syllabi, lecture notes, and research papers. • Generate regular academic progress reports for department heads. • Manage software data entry for institutional or attached training pharmacies
Mrs. Shaik Mohammad Ghouse	Computer Data Operator	23/08/2023	MCA	MCA	-	• Type student admission details and personal files. • Update semester marks, attendance, and exam results. • Maintain digital archives for B.Pharm, M.Pharm, and Pharm.D classes. • Log chemical, drug sample, and glassware stock data. • Update equipment lists for pharmacology and pharmaceutics labs. • Track daily usage logs for specialized departmental items.
Mr. H. Payani	Physical Director	03/04/2017	M.PED	M.PED	-	• Maintain sports grounds, indoor courts, and gym equipment. • Manage the inventory of sports goods. • Propose the annual sports budget for approval. • Conduct periodic stock verifications • Coach students in specific track, field, or team sports.
Mr. D. Hari	Librarian	01/05/2024	M.L.Sc	M.L.Sc	-	• Handling the routine issue, return, renewal, and reservation procedures for textbooks and study aids. • Collaborating directly with faculty members to align library inventory with specific pharmacy curriculum requirements and ongoing research projects. • Maintain access to specialized indexing, medical, and drug databases • Guide students on finding reliable evidence-based medicine and free drug information resources.
Mr. B. Prasad Naik	Assistant Librarian	17/02/2025	M.L.Sc	M.L.Sc	-	• Issue, return, renew, and reserve pharmacy textbooks and reference materials. • Maintain daily visitor logs, gate registers, and circulation data. • Monitor reading room discipline, quietness, and cleanliness. • Handle basic binding, repair, and shelf arrangement of scientific periodicals
Mr. J. Kranthi Kumar	Laboratory Technician	11/09/2013	MLT	MLT	-	• Clean, sterilize, and maintain laboratory glassware and work areas. • Calibrate and troubleshoot laboratory machines like pH meters, balances, and spectrophotometers. • Report broken or malfunctioning items for repair or replacement. • Keep a logbook of equipment maintenance and usage history • Set up instruments, chemicals, and glassware before student sessions begin. • Guide students on proper handling of tools and safe instrument operation
Mrs. M.D. Shabana	Laboratory Technician	04/02/2014	M.Sc	M.Sc	-	• Maintain and sterilize laboratory instruments and work areas. • Operate, calibrate, and troubleshoot analytical instruments. • Record equipment usage, maintenance, and calibration details. • Prepare instruments and materials for practical sessions. • Assist faculty and students during experiments. • Ensure safe instrument handling and laboratory practices. • Report equipment faults and arrange timely repairs.
Mrs. P. Latha	Laboratory Technician	01/05/2015	B.Sc Computers	B.Sc Computers	-	• Clean, sterilize, and maintain laboratory glassware and work areas. • Calibrate and troubleshoot laboratory machines like pH meters, balances, and spectrophotometers. • Report broken or malfunctioning items for repair or replacement. • Keep a logbook of equipment maintenance and usage history • Set up instruments, chemicals, and glassware before student sessions begin. • Guide students on proper handling of tools and safe instrument operation

Mr. P. Dhananjaya	Laboratory Technician	26/01/2016	MLT	MLT	-	• Maintain laboratory cleanliness, safety, equipment, chemicals, specimens, models, and consumables. • Prepare practical materials and assist faculty during demonstrations and student experiments. • Maintain stock, equipment, maintenance, breakage, and waste-disposal records. Ensure proper storage and handling of materials, support inspections, report damages or shortages, and follow safety procedures. • Guide students on proper handling of tools and safe instrument operation
Mr. A. Anil Kumar	Laboratory Technician	01/07/2025	B.Sc	B.Sc	-	• Clean, sterilize, and maintain laboratory glassware and work areas. • Calibrate and troubleshoot laboratory machines like pH meters, balances, and spectrophotometers. • Report broken or malfunctioning items for repair or replacement. • Keep a logbook of equipment maintenance and usage history • Set up instruments, chemicals, and glassware before student sessions begin. • Guide students on proper handling of tools and safe instrument operation
Mrs. P. Lavanya	Store In-charge	02/06/2025	B.Sc	B.Sc	-	• Maintain stock registers and digital databases for chemicals, raw materials, and glassware. • Track daily consumption and issue materials for practical classes and research projects. • Perform routine stock audits to check physical counts against ledger entries. • Monitor shelf life, identify expired or broken items, and manage safe disposal
Mr. M Guna	Laboratory Technician	01/08/2020	B.sc	B.sc	-	• Maintain cleanliness, safety, and proper organization of the laboratory. • Prepare apparatus, equipment, chemicals, and materials for practical classes. • Assist faculty and students during experiments and demonstrations. • Maintain stock, equipment, and consumable registers. • Ensure proper storage and labelling of materials. • Check equipment functionality and report damages. • Follow laboratory safety and waste-disposal procedures
Mr. P. Vinod Kumar	Laboratory Technician	05/02/2020	MLT	MLT	-	• Maintain cleanliness, safety, and proper organization of the laboratory. • Prepare apparatus, equipment, chemicals, and materials for practical classes. • Assist faculty and students during experiments and demonstrations. • Maintain stock, equipment, and consumable registers. • Ensure proper storage and labelling of materials. • Check equipment functionality and report damages. • Follow laboratory safety and waste-disposal procedures
Mr. T. Gayathri	Laboratory Technician	04/02/2019	B.Sc	B.Sc	-	• Maintain cleanliness, safety, and proper organization of the laboratory. • Prepare apparatus, equipment, chemicals, and materials for practical classes. • Assist faculty and students during experiments and demonstrations. • Maintain stock, equipment, and consumable registers. • Ensure proper storage and labelling of materials. • Check equipment functionality and report damages. • Follow laboratory safety and waste-disposal procedures
Mr. A. Bharathi	Laboratory Technician	02/03/2020	B.Sc	B.Sc	-	• Maintain cleanliness, safety, and proper organization of the laboratory. Prepare apparatus, equipment, chemicals, and materials for practical classes. • Assist faculty and students during experiments and demonstrations. • Maintain stock, equipment, and consumable registers. • Ensure proper storage and labelling of materials. • Check equipment functionality and report damages. • Follow laboratory safety and waste-disposal procedures
Mr. Hema Latha	Laboratory Technician	01/10/2021	B.Sc	B.Sc	-	• Maintain cleanliness, safety, and proper organization of the laboratory. Prepare apparatus, equipment, chemicals, and materials for practical classes. • Assist faculty and students during experiments and demonstrations. • Maintain stock, equipment, and consumable registers. • Ensure proper storage and labelling of materials. • Check equipment functionality and report damages. • Follow laboratory safety and waste-disposal procedures
Mrs. Sirisha	Laboratory Technician	01/06/2021	B.Sc	B.Sc	-	• Maintain cleanliness, safety, and proper organization of the laboratory. • Prepare apparatus, equipment, chemicals, and materials for practical classes. • Assist faculty and students during experiments and demonstrations. • Maintain stock, equipment, and consumable registers. • Ensure proper storage and labelling of materials. • Check equipment functionality and report damages. • Follow laboratory safety and waste-disposal procedures
Mrs. K.N. Latha	Laboratory Technician	03/02/2020	B.Sc	B.Sc	-	• Maintain cleanliness, safety, and proper organization of the laboratory. • Prepare apparatus, equipment, chemicals, and materials for practical classes. • Assist faculty and students during experiments and demonstrations. • Maintain stock, equipment, and consumable registers. • Ensure proper storage and labelling of materials. • Check equipment functionality and report damages. • Follow laboratory safety and waste-disposal procedures
Mr. M. Bharath Kumar	Laboratory Technician	03/02/2020	B.Sc	B.Sc	-	• Maintain cleanliness, safety, and proper organization of the laboratory. • Prepare apparatus, equipment, chemicals, and materials for practical classes. • Assist faculty and students during experiments and demonstrations. • Maintain stock, equipment, and consumable registers. • Ensure proper storage and labelling of materials. • Check equipment functionality and report damages. • Follow laboratory safety and waste-disposal procedures

Mr. P. Kiran Kumar	Laboratory Technician	27/01/2023	B. Tech	B. Tech	-	• Maintain cleanliness, safety, and proper organization of the laboratory. • Prepare apparatus, equipment, chemicals, and materials for practical classes. • Assist faculty and students during experiments and demonstrations. • Maintain stock, equipment, and consumable registers. • Ensure proper storage and labelling of materials. • Check equipment functionality and report damages. • Follow laboratory safety and waste-disposal procedures

6.6.1 Availability of adequate and qualified technical supporting staff for program specific laboratories (10)

Institute Marks : 10.00

The institution has adequate physical infrastructure in compliance with the norms prescribed by the Pharmacy Council of India (PCI) and has appointed qualified technicians to ensure the proper maintenance of all facilities and amenities. Laboratories are maintained by the respective departmental staff-in-charge and laboratory technicians under the supervision of the concerned Heads of Department (HODs). Minor repairs and maintenance issues are addressed promptly following the prescribed approval process.

Log books are maintained by the technical staff to monitor the effective, safe, and systematic utilization of laboratory equipment. In addition, 24outsourced personnel are engaged in the general maintenance and upkeep of the college campus. Security services are also managed through outsourced agencies to ensure the safety of the institution.

The maintenance of institutional vehicles, along with the services of drivers and cleaners, is handled through outsourcing. Fire safety is ensured through a centralized fire protection system, complemented by fire extinguishers installed in individual laboratories and storage areas. Electrical and plumbing maintenance works are also carried out by outsourced service providers, ensuring the smooth functioning of all campus facilities.

6.6.2 Incentives, skill upgrade, and professional advancement (10)

Institute Marks : 10.00

The institution is committed to the skill enhancement and professional development of its non-teaching staff through continuous training and capacity-building initiatives. To encourage professional growth and improve institutional support services, the following measures are implemented.

- Special leave is granted to non-teaching staff for participation in workshops, seminars, faculty development programmes, and skill enhancement training.
- Financial support and monetary incentives are provided to staff members for acquiring higher qualifications and upgrading technical competencies, as per institutional policy.
- The institution regularly organizes workshops, seminars, demonstrations, and hands-on training programmes to enhance the technical knowledge, administrative efficiency, and operational skills of supporting staff.

To facilitate skill upgradation and professional advancement, the college has conducted various capacity-building programmes, including seminars, demonstrations, and hands-on training sessions. These initiatives enable non-teaching staff to effectively operate modern equipment, adopt best practices in laboratory and office management, strengthen safety awareness, and improve the overall quality of institutional support services.

Skill up gradation details for non-teaching staff

S. No	Academic Year	Date	Name of the program
1	2023 – 2024	01.08.2023 15.09.2023 22.01.2024 20.02.2024	1. Fair Safety and Emergency Response Training 2. Laboratory safety and Chemical Handling 3. Calibration and Maintenance of Laboratory Instruments 4. Firstaid and CPR Training
2	2024 – 2025	24.07.2024 05.11.2024 03.03.2025	1. Hands on Training on HPLC, UV, & FTIR Operation 2. Fire safety and Emergency Response Training 3. Library Automation Training
3	2025 – 2026	01.08.2025 15.09.2025 05.03.2026	1. Laboratory Equipment Demonstration Session 2. Preparation of SOPs 3. Fire Safety and Emergency Response Training









Incentives Provided to Non-Teaching Staff

The institution provides monetary incentives to encourage effective performance and recognize the contribution of non-teaching staff towards the smooth functioning of academic, laboratory, library, administrative, and support services.

S. No.	Name of Staff	Designation	Incentive Amount	Academic Year

1	Mr. J. Kranthi Kumar	Lab Technician	₹2,000	2023–2024
2	Mrs. M.D. Shabana	Lab Technician	₹2,000	2023–2024
3	Mr. P. Dhananjaya	Lab Technician	₹2,000	2023–2024
4	Mr. H. Payani	Physical Director	₹2,000	2023–2024
5	Mrs. P. Latha	Lab Technician	₹2,000	2023–2024
6	Mr. M. Guna	Lab Technician	₹2,000	2023–2024
7	Mr. P. Vinod Kumar	Lab Technician	₹2,000	2023–2024
8	Mr. T. Gayathri	Lab Technician	₹2,000	2023–2024
9	Mr. A. Bharathi	Lab Technician	₹2,000	2023–2024
10	Mr. HemaLatha	Lab Technician	₹2,000	2023–2024
11	Mrs. Sirisha	Lab Technician	₹2,000	2023–2024
12	Mrs. G. Devika	Office Assistant	₹1,000	2024–2025
13	Mrs. P. Latha	Lab Technician	₹1,000	2024–2025
14	Mr. H. Payani	Physical Director	₹1,000	2024–2025
15	Mr. P. Kiran Kumar	Lab Technician	₹1,000	2024–2025
16	Mr. J. Kranthi Kumar	Lab Technician	₹1,000	2024–2025
17	Mrs. M.D. Shabana	Lab Technician	₹1,000	2024–2025
18	Mr. P. Dhananjaya	Lab Technician	₹1,000	2024–2025
19	Mr. M. Guna	Lab Technician	₹1,000	2024–2025
20	Mr. P. Vinod Kumar	Lab Technician	₹1,000	2024–2025
21	Mr. T. Gayathri	Lab Technician	₹1,000	2024–2025
22	Mr. A. Bharathi	Lab Technician	₹1,000	2024–2025
23	Mr. HemaLatha	Lab Technician	₹1,000	2024–2025
24	Mrs. Sirisha	Lab Technician	₹1,000	2024–2025
25	Mr. K. Gopikishore	Computer Operator	₹3,000	2025–2026
26	Mr. J. Kranthi Kumar	Lab Technician	₹3,000	2025–2026
27	Mrs. M.D. Shabana	Lab Technician	₹3,000	2025–2026
28	Mr. P. Dhananjaya	Lab Technician	₹3,000	2025–2026
29	Mrs. P. Lavanya	Store In-charge	₹3,000	2025–2026

Professional Advancement Including Additional Role Responsibilities

The institution facilitates professional advancement of non-teaching staff by recognizing their experience, competencies, and performance and assigning enhanced roles and additional responsibilities. These include laboratory supervision, audit coordination, safety training, record maintenance, equipment monitoring, animal house management, maintenance coordination, and store management. Such role enhancement provides opportunities for staff to develop leadership, coordination, technical, and supervisory competencies.

Sl. No.	Name of the Staff	Designation / Previous Position	Promotion / Enhanced Role	Responsibility	Academic Year

1	Mr. J. Kranthi Kumar	Lab Technician	Promoted as Lab Audit In-charge	coordinates laboratory records, equipment status, stock verification, and preparedness for internal/ external audits	2025–2026
2	Mr. P. Dhananjaya	Lab Technician	Promoted Animal House In-charge	coordinates animal house activities, records, cleanliness, safety, and routine maintenance in support of practical and academic activities	2025–2026
3	Mr. A. Anil Kumar	Lab Technician	Maintenance In-charge	oordinates laboratory equipment maintenance, reports technical faults, and follows up repair and maintenance activities	2025–2026
4	Mrs. P. Lavanya	Lab In-charge	Promoted as Store In-charge	supervises laboratory stock, material issue, inventory verification, and safe storage of chemicals, glassware, and other materials required for practical and research activities	2025–2026
5	Mr. K. Gopikishore	Computer Operator	Enhanced responsibility	provides additional support for digital data entry, maintenance of academic records, examination-related data, and institutional information systems	2025–2026
6	Mr. D. Hari	Librarian	Enhanced responsibility	supports access to academic resources, library records, circulation services, and digital learning resources for students and faculty	2025–2026
7	Mr. P. HemaBushan	Accountant	Enhanced responsibility	financial records, fee-related documentation, and institutional accounts support	2025–2026
8	Mrs. G. Devika	Office Assistant	Enhanced responsibility	office documentation, record maintenance, and administrative coordination	2025–2026
9	G+3 Floor In-charges			Monitoring classroom readiness, cleanliness, basic facility requirements, movement of students, and	2025–2026
	Mr. A. Bharathi	Lab Technician	Ground Floor		

	Mr. T. Gayathri	Lab Technician	First Floor	reporting maintenance issues to ensure smooth conduct of teaching-learning activities	
	Mr. HemaLatha	Lab Technician	Second Floor		
	Mrs. Sirisha	Lab Technician	Third floor		
10	Mrs. M.D. Shabana	Lab Technician	Grievance In-charge	Assisting in receiving student grievances, maintaining grievance-related records, forwarding concerns to the concerned authority, and following up on routine administrative requirements	2025–2026
11	Mr. P. Vinod Kumar	Lab Technician	Discipline Monitor	Supporting the monitoring of student discipline, punctuality, orderly movement, classroom surroundings, and compliance with institutional rules during academic activities	2025–2026
12	Mr. M. Guna	Lab Technician	Laboratory Safety In-charge	Monitoring laboratory cleanliness and safety practices, ensuring availability of safety equipment, maintaining safety-related records, and supporting faculty and students during practical activities	2025–2026
13	Mrs. P. Latha	Lab Technician	Academic Record In-charge –	Maintaining and updating academic registers, practical records, attendance-related documents, examination records, and other academic-support documentation	2025–2026
14	Mr. H. Payani	Physical Director	Infrastructure/ Maintenance Coordinator	Identifying and reporting infrastructure and equipment maintenance requirements, coordinating repair requests, and following up on maintenance activities to ensure uninterrupted academic operations	2025–2026

7 CONTINUOUS IMPROVEMENT (75)

Total Marks 71.86

7.1 Improvement in Success Index of Students without the backlog (15)

Total Marks 15.00

Institute Marks : 15.00

Items	2021-22 (LYG)	2020-21 (LYGm1)	2019-20 (LYGm2)
Success Index (from 4.2.1)	0.50	0.36	0.31

7.2 Improvement in Placement and Higher Studies (15)

Total Marks 15.00

Institute Marks : 15.00

Items	2021-22 (LYG)	2020-21 (LYGm1)	2019-20 (LYGm2)
Placement Index (from 4.7)	0.97	0.97	0.79

7.3 Improvement in the API of the Final Year Students (10)

Total Marks 6.86

Institute Marks : 6.86

Academic Performance	2021-22 (LYG)	2020-21 (LYGm1)	2019-20 (LYGm2)
Mean of CGPA or mean percentage of all successful students(X)	7.76	7.97	7.40
Total number of successful students(Y)	67.00	71.00	57.00
Totalnumber of students appeared in the examination(Z)	73.00	77.00	69.00
API [X*(Y/Z)]:	7.12	7.35	6.11

Average API [(AP1 + AP2 + AP3)/3] : 6.86

Academic Performance = Average API = [(AP1 + AP2 + AP3)/3] : 6.86

7.4 Improvement in the quality of students admitted to the program (15)

Total Marks 15.00

Institute Marks : 15.00

Item		2024-25(CAYm1)	2023-24(CAYm2)	2022-23 (CAYm3)
National Level Entrance Examination NOT APPLICABLE	No of students admitted	0	0	0
	Opening Score/Rank	0	0	0
	Closing Score/Rank	0	0	0
State/ University/ Level Entrance Examination/ Others AP-EAPCET	No of students admitted	72	68	71
	Opening Score/Rank	9664	11872	12839
	Closing Score/Rank	58761	59435	51136
Name of the Entrance Examination for Lateral Entry or lateral entry details ECET	No of students admitted	2	1	1
	Opening Score/Rank	14	4	234
	Closing Score/Rank	81	4	234
Average CBSE/Any other board result of admitted students(Physics, Chemistry&Maths)		78.73	69.89	77.09

7.5 Actions taken based on the results of evaluation of each of the POs (20) Total Marks 20.00

Institute Marks : 20.00

POs Attainment Levels and Actions for Improvement- (2024-25)

POs	Target Level	Attainment Level	Observations
PO 1 : Pharmacy Knowledge			
PO 1	3	2.44	Below target by 0.56; contemporary and application-oriented pharmaceutical knowledge requires strengthening.
Expert lectures, advanced analytical training, cGMP, drug discovery, regulatory and industry-oriented learning were strengthened.			
PO 2 : Planning abilities			
PO 2	3	2.05	Below target by 0.95; systematic planning, organization and execution require strengthening.
Structured project work, research activities, internships, analytical training and career-planning activities were strengthened.			
PO 3 : Problem Analysis			
PO 3	3	2.51	Below target by 0.49; analytical and problem-solving abilities require further strengthening.
Case-based learning, project-based learning, research projects and analytical training were implemented.			
PO 4 : Modern tool usage			
PO 4	3	2.14	Below target by 0.86; proficiency in modern pharmaceutical and digital tools requires strengthening.
Hands-on training on HPLC, UV, FTIR, coding systems, AI, 3D printing and digital resources was provided.			
PO 5 : Leadership skills			
PO 5	2	1.51	Below target by 0.49; leadership, initiative and team coordination require strengthening.
Leadership opportunities were enhanced through projects, sports, NSS, seminars, professional activities and EDC programmes.			

PO 6 : Professional identity

PO 6	3	2.39	Below target by 0.61; integration of professional knowledge with real-world practice requires strengthening.
Industry/hospital interaction, internships, patient counselling, professional activities and career guidance were strengthened.			

PO 7 : Pharmaceutical Ethics

PO 7	3	2.04	Below target by 0.96; ethical decision-making and regulatory awareness require significant strengthening.
Ethics, animal research ethics, ADR/pharmacovigilance, cGMP, IPR and regulatory-awareness programmes were conducted.			

PO 8 : Communication

PO 8	2	1.91	Nearly attained; gap of only 0.09, with scope for further improvement in professional communication.
Seminars, presentations, medical writing, soft-skill, interview and patient-counselling activities were strengthened.			

PO 9 : The pharmacist and society

PO 9	3	2.36	Below target by 0.64; sustained community and societal engagement requires strengthening.
NSS, health camps, blood donation, drug-abuse awareness and community-health programmes were strengthened.			

PO 10 : Environment and Sustainability

PO 10	2	1.58	Below target by 0.42; application of sustainability principles requires strengthening.
Environmental-awareness programmes, Green Army activities, medicinal plant garden and sustainability-oriented projects were promoted.			

PO 11 : Life-long Learning

PO 11	3	2.47	Below target by 0.53; independent and continuous learning requires further strengthening
Digital resources, research, seminars, workshops, emerging-technology programmes and higher-study/career guidance were strengthened.			

POs Attainment Levels and Actions for Improvement- (2023-24)

POs	Target Level	Attainment Level	Observations
PO 1 : Pharmacy Knowledge			
PO 1	3	2.38	Below target by 0.62. Students demonstrated satisfactory foundational pharmaceutical knowledge but required better integration of theoretical knowledge with practical and clinical applications.
Remedial classes, tutorials, concept-based revision, case-based learning and practical demonstrations were strengthened. Guest lectures by industry and healthcare professionals and application-oriented project activities were used to reinforce pharmaceutical knowledge.			
PO 2 : Planning abilities			
PO 2	3	1.94	Below target by 1.06. Students demonstrated limited ability to systematically plan, organize and complete academic, project and team-based activities within stipulated timelines.
Time-management and academic-planning activities were strengthened through structured assignments, project work and internship activities. Students were given planning and coordination responsibilities with faculty mentoring for objective setting, scheduling, resource organization and timely execution.			
PO 3 : Problem Analysis			
PO 3	3	2.46	Below target by 0.54. Students demonstrated developing problem-analysis skills but required further improvement in identifying problems, interpreting experimental data and applying subject knowledge to develop suitable solutions.
Case studies, laboratory-based problem-solving activities, data-interpretation exercises and group discussions were strengthened. Faculty-guided analytical discussions and project/research activities were used to improve scientific reasoning, decision-making and problem-solving skills.			
PO 4 : Modern tool usage			
PO 4	3	2.09	Below target by 0.91. Students had exposure to digital and laboratory resources but required greater proficiency in using modern pharmaceutical, analytical and digital tools for academic and professional applications.
Hands-on training in modern laboratory and digital tools was strengthened. Students were trained and encouraged to use K-NIMBUS, Ex-Pharma, simulation software, online research databases and authenticated drug-information resources for literature retrieval, practical learning and academic assignments.			
PO 5 : Leadership skills			
PO 5	2	1.33	Below target by 0.67. Students demonstrated limited confidence in taking initiative, leading teams and coordinating academic, professional and co-curricular activities.
Leadership opportunities were strengthened through group projects, peer-led presentations, seminars, Pharmacy Week and departmental/community activities. Students were assigned coordination responsibilities and provided faculty mentoring and professional interaction with industry/alumni to develop leadership and teamwork skills.			

PO 6 : Professional identity			
PO 6	3	2.33	Below target by 0.67. Students required greater confidence in demonstrating professional identity and integrating academic learning with pharmaceutical, clinical, hospital and community practice.
Industrial exposure, hospital/community-based learning, internships, Community Service Project/Summer Internship and career-guidance activities were strengthened. Students were encouraged to demonstrate professional behaviour, responsibility, teamwork and appropriate conduct in academic and community settings.			
PO 7 : Pharmaceutical Ethics			
PO 7	3	1.91	Below target by 1.09. Students required significant improvement in applying ethical principles and demonstrating professional accountability in academic, clinical, industrial, research and community settings.
Clinical training, internships, industrial visits and professional interactions were used to reinforce integrity, confidentiality, accountability, respectful behaviour and ethical decision-making.			
PO 8 : Communication			
PO 8	2	1.81	Below target by 0.19. Students required considerable improvement in verbal, written and interpersonal communication, particularly during presentations, professional interactions, patient counselling and drug-information activities.
Soft-skill development, group discussions, seminars, presentations, newsletter/academic writing and viva-voce activities were strengthened. Hospital pharmacy exposure, drug-information services and patient counselling were incorporated to improve professional and patient-oriented communication.			
PO 9 : The pharmacist and society			
PO 9	3	2.31	Below target by 0.69. Students demonstrated satisfactory awareness of the pharmacist's role in healthcare and society. Continued community-oriented participation was required to sustain the attainment.
Community health-awareness programmes, health camps, NSS/community activities and awareness programmes on the safe and rational use of medicines were continued and strengthened to reinforce social responsibility and community engagement.			
PO 10 : Environment and Sustainability			
PO 10	2	1.54	Below target by 0.46, indicating a substantial gap. Students required greater understanding and practical involvement in environmental protection, pharmaceutical-waste management and sustainable practices.
Environmental-awareness and green initiatives were strengthened through medicinal-plant and campus environmental activities. Students were sensitized to waste management, pollution control, environmental safety and appropriate disposal of medicines, chemicals and pharmaceutical waste, with emphasis on eco-friendly and sustainable practices.			

PO 11 : Life-long Learning

PO 11	3	2.42	Below target by 0.58. Students showed interest in acquiring new knowledge but required greater motivation and regular exposure to emerging developments in pharmaceutical sciences and professional practice.

Guest lectures, workshops, seminars, career-guidance programmes, project/research activities and professional interactions were strengthened. Students were encouraged to use digital-library and literature resources and participate in activities related to emerging pharmaceutical technologies and contemporary professional developments.

POs Attainment Levels and Actions for Improvement- (2022-23)

POs	Target Level	Attainment Level	Observations
PO 1 : Pharmacy Knowledge			
PO 1	3	2.42	Below target by 0.58. Students demonstrated satisfactory foundational pharmaceutical knowledge; however, conceptual clarity and application of pharmaceutical knowledge to contemporary and practice-oriented problems required further strengthening.
Remedial classes, tutorials, concept-based revision and additional learning resources were strengthened. Application-oriented practicals, project work, seminars, industry interaction and exposure to contemporary areas such as drug discovery, natural products and GMP were incorporated to strengthen pharmaceutical knowledge.			
PO 2 : Planning abilities			
PO 2	3	2.02	Below target by 0.98. Students showed limited ability in planning, organizing and completing academic/project activities within stipulated timelines, indicating a need for improvement in systematic task planning and execution.
Time-management and academic-planning activities were strengthened through structured assignments, project work and internship activities. Students were guided in setting objectives, planning activities, organizing resources and completing academic/project tasks within defined timelines.			
PO 3 : Problem Analysis			
PO 3	3	2.50	Below target by 0.50. Students demonstrated developing ability in problem identification and analysis but required further improvement in experimental data interpretation, scientific reasoning and selection of appropriate solutions.
Data-interpretation exercises, case-based learning, laboratory problem-solving, research/project activities and faculty-guided analytical discussions were strengthened. Exposure to ADR analysis and experimental/project-based problem solving was also promoted.			
PO 4 : Modern tool usage			
PO 4	3	2.12	Below target by 0.88. Students had exposure to laboratory and digital tools but required greater proficiency in using modern pharmaceutical, analytical and digital resources for academic and professional applications.
Hands-on exposure to modern laboratory instrumentation, digital learning resources and pharmaceutical software was strengthened. Students were encouraged to use K-NIMBUS digital library, Ex-Pharma and authenticated digital drug-information/literature resources for literature searches, assignments and academic activities. The institutional curriculum also provides technology-supported and application-oriented learning.			
PO 5 : Leadership skills			
PO 5	2	1.37	Below target by 0.63. Students demonstrated limited confidence in taking leadership, coordinating teams and assuming responsibility during group academic and co-curricular activities.
Group projects with designated student responsibilities, peer-led presentations and mentoring were strengthened. Students were provided opportunities to coordinate seminars, student activities, sports, cultural activities, NSS/ community programmes and other departmental activities to develop leadership, teamwork and initiative.			

PO 6 : Professional identity			
PO 6	3	2.39	Below target by 0.61. Students required stronger integration of academic learning with professional pharmacy practice and greater participation in professional, industrial, hospital and community-oriented activities.
Professional exposure was strengthened through industrial/hospital/community interactions, internships, guest lectures, Pharmacy Week activities, health-awareness programmes and interactions with industry professionals and alumni. Career-oriented activities were also used to strengthen students' understanding of professional roles and opportunities. The institutional mechanism includes industry interaction, professional-expert involvement, industrial training/internships and hospital collaboration.			
PO 7 : Pharmaceutical Ethics			
PO 7	3	1.96	Below target by 1.04, representing the largest attainment gap. Students required greater ability to apply ethical principles in patient care, research, community pharmacy and professional practice, along with stronger awareness of pharmacy laws and professional responsibilities.
Case-based discussions, professional ethics and pharmacy law were strengthened. Guest lectures/professional interactions, responsible research practices, ADR-related activities, ethical animal-handling exposure and community-oriented activities were used to develop ethical decision-making and professional responsibility.			
PO 8 : Communication			
PO 8	2	1.87	Below target by only 0.13; nearly attained. Students demonstrated basic communication competency but required further improvement in verbal, written and professional communication, particularly during presentations, discussions, drug-information activities and patient interactions.
Group discussions, seminars, student presentations, project presentations, viva-voce, newsletter/academic writing activities, drug-information services, hospital-based learning and patient interactions were strengthened. Communication and soft-skill activities were incorporated to improve professional and patient-oriented communication.			
PO 9 : The pharmacist and society			
PO 9	3	2.36	Below target by 0.64. Students demonstrated awareness of the pharmacist's societal role but required greater participation in community outreach, public-health activities and initiatives addressing healthcare and medicine-use needs of society.
The role of pharmacists in healthcare, rational and safe use of medicines and community health was reinforced. NSS/community activities, health-awareness programmes, health camps, blood-donation activities and patient/community-oriented programmes were strengthened to improve social responsibility and community engagement.			
PO 10 : Environment and Sustainability			
PO 10	2	1.57	Below target by 0.43. Students had awareness of environmental concerns but required greater practical involvement in waste management, pollution control, environmental safety and sustainable resource utilization.
Environmental-awareness and green initiatives were strengthened through medicinal-plant and campus environmental activities. Students were sensitized to proper handling and disposal of medicines, chemicals and pharmaceutical waste, pollution control and sustainable practices. The institution also maintains a medicinal plant garden through its supporting environmental awareness and experiential learning.			

PO 11 : Life-long Learning

PO 11	3	2.47	Below target by 0.53. Students showed interest in acquiring new knowledge but required regular motivation and guidance for self-directed learning and keeping pace with emerging developments in pharmacy and healthcare.

Seminars, workshops, guest lectures, research/project activities and professional interactions were strengthened to promote continuous learning. Students were encouraged to use digital-library and literature resources and participate in activities related to emerging areas such as drug discovery, AI, advanced analytical techniques, IPR and contemporary pharmaceutical developments.

8 STUDENT SUPPORT SYSTEMS (50)

Total Marks 50.00

8.1 Mentoring system to help at individual levels (5)

Total Marks 5.00

Institute Marks : 5.00

Details of the Mentoring System and its Efficacy

Parameter	Institute Response
Type of mentoring	All-round development / Professional guidance / Career advancement / Course-work specific
Number of faculty mentors	47–48
Number of students per mentor	1:15 to 1:20
Frequency of meeting	Monthly

Our college has a well-defined and structured Student Mentoring System for the academic, personal and professional development of students. The mentoring system provides all-round development, professional guidance, career advancement and course-work specific support. Faculty mentors are assigned group of students with an average student–mentor ratio of approximately 1:15 to 1:20, and mentoring interactions are conducted monthly.

Mentors maintain Student Mentoring Registers/Individual Student Profiles to continuously monitor the academic performance, attendance, study pattern, behaviour, career aspirations and overall development of their mentees. During mentoring interactions, individual concerns such as academic difficulties, communication and confidence-related issues, economic concerns, conduct-related issues and other student-specific needs are identified and addressed.

Students requiring additional academic support are identified and provided remedial coaching, academic counselling and appropriate guidance. Students are also encouraged to participate in curricular, co-curricular and extra-curricular activities and are guided towards professional and career development. Cases requiring further intervention are referred to the Mentoring/Counselling Committee, with involvement of parents and the medical counsellor wherever necessary.

The efficacy of the mentoring system is assessed through continuous monitoring of academic performance, attendance, participation in academic and co-curricular activities, student–teacher interaction, timely resolution of individual student issues and overall student progression. Thus, the mentoring system facilitates early identification of student needs and provides timely academic, personal and professional support, contributing to a learner-centric and supportive learning environment.

Year-wise Student Strength and Faculty Mentoring Ratio

Academic Year	Total Students	Pharmacy Faculty/Mentors	Student–Mentor Ratio
2025–26	726	48	1:15.13
2024–25	714	48	1:14.87
2023–24	715	47	1:15.21

KRISHNA TEJA PHARMACY COLLEGE 2

Course _____

STUDENT DETAILS

Name of the Student :
(Block Letters as per SSC)
Hall Ticket No :
Date fo Birth & Age :
Gender (Male/ Female) :
Name of the Father :
Occupation of parent :
Inter / Diplome (%) :
Parent Phone No :
Student Phone No :
Category of Admission :
(NRI/MQ/ Convener (RTF/Payment))
Local Guardian (if any) :
Identification Marks :

Blood Group :
Name of the Mother :
SSC/CBSE(% of Marks/CGPA) :
Rank in EAMCET / ECET :
Parent Email id :
Student Email id :
Category (SC/ST/BC/OC) :
Hostler / Day - Scholar :

1. _____
2. _____

Address for Correspondence :

Communication Address	Permanent Address

Co-Curricular and Extra Curricular Activities :

Discussion held with the Parent / Guardian :

Year-wise Mentoring Interventions and Student Support Outcomes

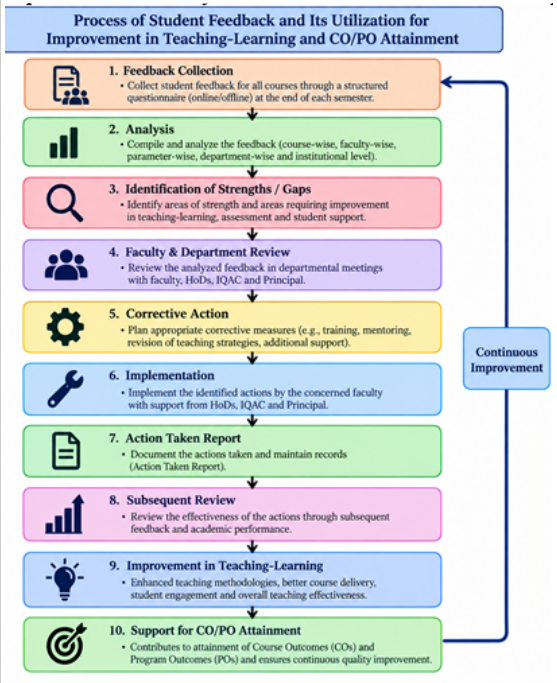
Academic Year	B.Pharm Students	Students requiring academic support	Students receiving remedial support	Counselling cases	Issues addressed/ resolved	Remarks

2023–24	411	68	60	12	11	Academic and personal issues addressed through mentoring
2024–25	380	70	62	11	9	Continuous mentor follow-up and remedial support provided
2025–26	375	64	59	12	10	Timely academic, personal and career guidance provided

8.2 Feedback analysis and reward /corrective measures taken, if any (10) Total Marks 10.00

Institute Marks : 10.00

Feedback collects for all courses through a structured feedback mechanism. In Phase I, monthly oral feedback is obtained by the Principal through interaction with students. In Phase II, semester-wise structured feedback is collected through an online/offline questionnaire system. The institution primarily uses Google Forms, with printed forms where online collection is not feasible. The feedback mechanism is applicable to all academic programmes and covers teaching-learning and institutional support services. Approximately 80–90% of students participate in the feedback process. The structured questionnaire provides students an opportunity to express their views regarding teaching effectiveness, faculty performance and student engagement. The questionnaire consists of ten parameters and uses a five-point rating scale. The collected feedback is compiled and analyzed by IQAC in coordination with the respective HODs. Faculty-wise, course-wise, parameter-wise, department-wise and institutional-level analysis is carried out, and statistical summaries/graphical representations are prepared. The analyzed reports are reviewed by the Student Feedback Committee for appropriate action.



Faculty performance is assessed against the institutional benchmark of 4.20 out of 5.00. Faculty members obtaining 4.70–5.00 are categorized as Excellent and may be recognized through appreciation or other suitable recognition. Faculty members scoring 4.20–4.69 are categorized as Satisfactory, while scores below 4.20 are categorized as Improvement Required and are subjected to a structured improvement process under the guidance of the HOD, IQAC and Principal.

Periodic interactions involving the Principal, HODs and students are also conducted to obtain feedback regarding syllabus completion, teaching methodology, facilities and other academic concerns. Identified issues are reviewed and appropriate remedial/corrective action is initiated. The implementation of corrective actions is documented and reviewed through Action Taken Reports.

Year-wise Student Participation in Course Feedback

Academic Year	Total Students	Students Participated in Feedback	Participation (%)
2023–24	822	707	86
2024–25	760	676	89
2025–26	750	682	91

Overall student participation during the assessment period: approximately 80–90%.

Year-wise Feedback Analysis and Action Taken

Academic Year	No. of Faculty Assessed	Faculty with Excellent Feedback	Faculty Requiring Improvement	Corrective t Actions Taken

2023–24	30	21	9	Individual counselling and feedback discussions were conducted. Faculty members were encouraged to adopt ICT-enabled and student-centric teaching methods.
2024–25	31	23	8	Faculty mentoring and peer observation were conducted, and guidance on innovative teaching-learning practices was provided to improve teaching effectiveness.
2025–26	33	25	8	Advanced teaching methodology training and mentoring were provided, and continuous monitoring was undertaken to strengthen classroom delivery and student engagement.
Total	94	69	25	Continuous faculty development and improvement measures were implemented based on feedback analysis.

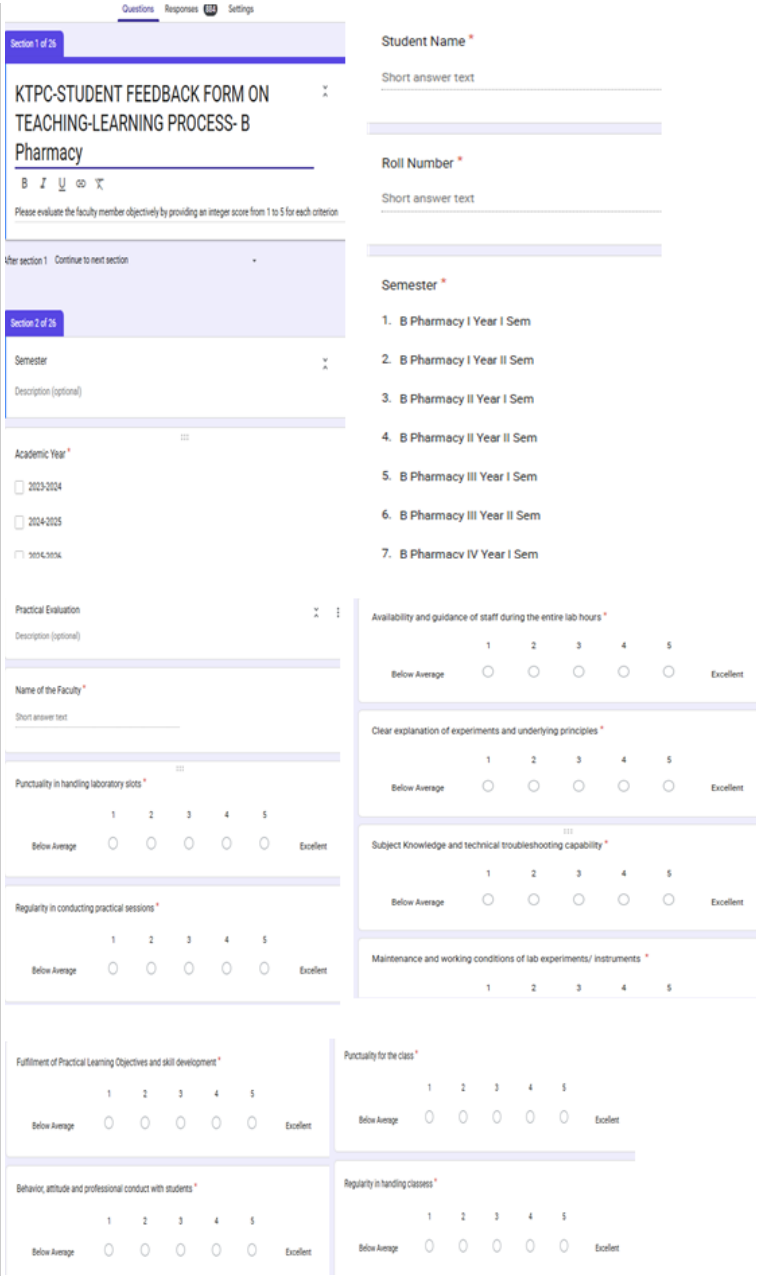
Basis of Reward and Corrective Measures Based on Feedback Score

Average Feedback Score	Performance Category	Corrective Action
4.70–5.00	Excellent	Faculty members are appreciated and recognized for their teaching effectiveness. Depending on institutional norms and overall performance, recognition may include commendation/appreciation, incentives or increments, consideration for promotion, financial support for participation in FDPs conferences, sanction of seed grants for academic research activities, and assignment of additional academic/administrative responsibilities or leadership roles. Excellent performers may also be encouraged to share their good teaching practices with other faculty members.
4.20–4.69	Satisfactory	Faculty members are encouraged to maintain and further improve teaching effectiveness through continued monitoring and academic guidance. They are advised to participate in refresher courses, FDPs, workshops, seminars and training programmes related to pedagogy, ICT-enabled teaching, assessment methods and innovative teaching-learning practices. Feedback trends are periodically reviewed to ensure continuous improvement.
Below 4.20	Improvement Required	A structured improvement plan is initiated under the guidance of the HOD, IQAC and Principal. The faculty member is advised to attend refresher courses, FDPs, workshops and faculty development/training programmes, and to adopt appropriate improvements in teaching methodology, student engagement, use of ICT and assessment practices. Individual counselling, mentoring, peer observation and periodic monitoring are undertaken. Subsequent feedback and academic performance are reviewed to assess the effectiveness of the corrective measures.

Feedback-based Improvement and Outcome

Academic Year	Feedback Observation	Action Taken	Outcome
2023–24	Students suggested greater use of ICT-enabled teaching and additional academic support for slow learners.	Faculty members were encouraged to use ICT-enabled and student-centric teaching methods. Remedial classes and additional academic support were provided to identified slow learners.	Improved student engagement, better understanding of course content and improved academic performance of identified learners.
2024–25	Students sought more practical exposure, industry interaction and opportunities for skill development.	Industrial visits, guest lectures, workshops and skill-development programmes were organized to provide additional practical and industry-oriented learning experiences.	Enhanced practical knowledge, industry awareness, professional skills and employability skills among students.
2025–26	Students recommended enhanced career guidance, competitive examination support and advanced learning opportunities.	Career guidance, aptitude training, expert sessions and mentoring activities were strengthened to provide additional academic and career support.	Improved career awareness, student confidence, competitive-examination preparedness and employability.

The feedback findings are systematically translated into improvement measures and their outcomes are reviewed periodically. The process ensures that student feedback contributes to continuous improvement in teaching-learning practices, student academic support, skill development and career readiness, thereby supporting the attainment of Course Outcomes (COs) and Program Outcomes (POs).


Questions Responses 187 Settings

Section 1 of 26

KTPC-STUDENT FEEDBACK FORM ON TEACHING-LEARNING PROCESS- B Pharmacy

Please evaluate the faculty member objectively by providing an integer score from 1 to 5 for each criterion

After section 1 Continue to next section

Section 2 of 26

Semester

Description (optional)

Academic Year *

2023-2024

2024-2025

Practical Evaluation

Description (optional)

Name of the Faculty *

Short answer text

Punctuality in handling laboratory slots *

1 2 3 4 5

Below Average Excellent

Regularity in conducting practical sessions *

1 2 3 4 5

Below Average Excellent

Fulfilment of Practical Learning Objectives and skill development *

1 2 3 4 5

Below Average Excellent

Behavior, attitude and professional conduct with students *

1 2 3 4 5

Below Average Excellent

Student Name *

Short answer text

Roll Number *

Short answer text

Semester *

1. B Pharmacy I Year I Sem
2. B Pharmacy I Year II Sem
3. B Pharmacy II Year I Sem
4. B Pharmacy II Year II Sem
5. B Pharmacy III Year I Sem
6. B Pharmacy III Year II Sem
7. B Pharmacy IV Year I Sem

Availability and guidance of staff during the entire lab hours *

1 2 3 4 5

Below Average Excellent

Clear explanation of experiments and underlying principles *

1 2 3 4 5

Below Average Excellent

Subject Knowledge and technical troubleshooting capability *

1 2 3 4 5

Below Average Excellent

Maintenance and working conditions of lab experiments/ instruments *

1 2 3 4 5

Punctuality for the class *

1 2 3 4 5

Below Average Excellent

Regularity in handling classes *

1 2 3 4 5

Below Average Excellent

Makes alternate arrangement of the class in his/her absence *

	1	2	3	4	5	
Below Average	○	○	○	○	○	Excellent

Audibility and clarity of speech *

	1	2	3	4	5	
Below Average	○	○	○	○	○	Excellent

Interaction with students and encouraging questions *

	1	2	3	4	5	
Below Average	○	○	○	○	○	Excellent

Subject Knowledge and technical depth *

	1	2	3	4	5	
Below Average	○	○	○	○	○	Excellent

Interaction with students and encouraging questions *

	1	2	3	4	5	
Below Average	○	○	○	○	○	Excellent

Creating Interest in the subject matter *

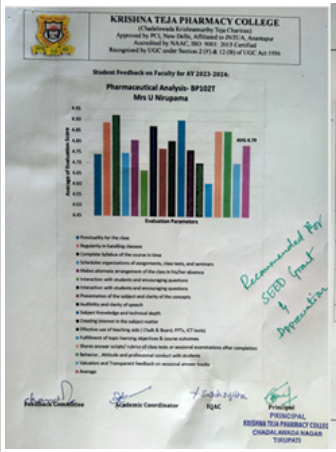
	1	2	3	4	5	
Below Average	○	○	○	○	○	Excellent

Presentation of the subject and clarity of the concepts *

	1	2	3	4	5

Effective use of teaching aids (Chalk & Board, PPTs, ICT tools) *

	1	2	3	4	5


KRISHNA TEJA PHARMACY COLLEGE
(Chadalawada Krishnamurthy Teja Charities)
Approved by PCI, New Delhi, Affiliated to JNTUA, Anantapur
Accredited by NAAC, ISO 9001:2015 Certified
Recognized by UGC under Section 2 (f) & 12 (B) of UGC Act 1956

Student Feedback on Faculty for AY 2023-2024:

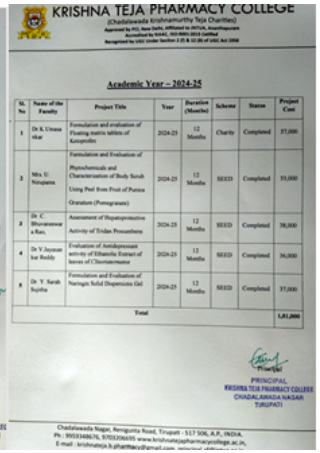
Pharmaceutical Analysis- BP502T
Mrs U Nirupama

- Punctuality for the class
- Regularity in handling classes
- Complete Syllabus of the course in time
- Schedule organizations of assignments, class tests, and seminars
- Makes alternate arrangement of the class in his/her absence
- Interaction with students and encouraging questions
- Interaction with students and encouraging questions
- Presentation of the subject and clarity of the concepts
- Audibility and clarity of speech
- Subject Knowledge and technical depth
- Creating Interest in the subject matter
- Effective use of teaching aids (Chalk & Board, PPTs, ICT tools)
- Fulfillment of topic learning objectives & course outcomes
- Shares answer scripts/ rubrics of class tests or sessional examinations after completion
- Behavior , Attitude and professional conduct with students
- Valuation and Transparent feedback on sessional answer books
- Average

Recommended for SEED Grant & Appreciation

Feedback Committee | Academic Coordinator | IQAC | Principal

PRINCIPAL
KRISHNA TEJA PHARMACY COLLEGE
CHADALAWADA NAGAR
TIRUPATI


KRISHNA TEJA PHARMACY COLLEGE
(Chadalawada Krishnamurthy Teja Charities)
Approved by PCI, New Delhi, Affiliated to JNTUA, Anantapur
Accredited by NAAC, ISO 9001:2015 Certified
Recognized by UGC under Section 2 (f) & 12 (B) of UGC Act 1956

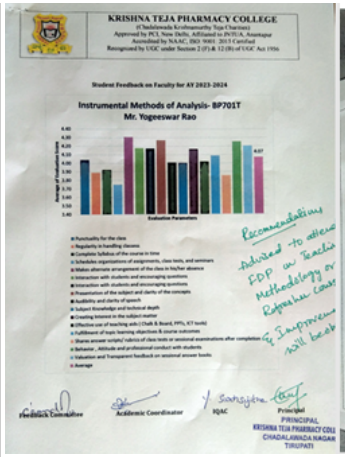
Academic Year – 2024-25

Sl. No	Name of the Faculty	Project Title	Year	Duration (Months)	Scheme	Status	Project Cost
1	Dr K. Umasankar	Formulation and evaluation of Floating matrix tablets of Lesopitron	2024-25	12 Months	Charity	Completed	37,000
2	Mrs. U. Nirupama	Formulation and Evaluation of Phytochemicals and Characterization of Body Scrub Using Peel from Fruit of Punica Granatum (Pomegranate)	2024-25	12 Months	SEED	Completed	33,000
3	Dr. C. Bhuvaneswara Rao,	Assessment of Hepatoprotective Activity of Tridax Procumbens	2024-25	12 Months	SEED	Completed	38,000
4	Dr Y Jayasankar Reddy	Evaluation of Antidepressant activity of Ethanolic Extract of leaves of Chromolaena	2024-25	12 Months	SEED	Completed	36,000
5	Dr. Y. Sarath Sujitha	Formulation and Evaluation of Naringin Solid Dispersion Gel	2024-25	12 Months	SEED	Completed	37,000
		Total					1,81,000

Principal

PRINCIPAL
KRISHNA TEJA PHARMACY COLLEGE
CHADALAWADA NAGAR
TIRUPATI

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KRISHNA TEJA PHARMACY COLLEGE

Student Feedback on Faculty for AY 2023-2024

Instrumental Methods of Analysis- BP701T
Mr. Yogeeswar Rao

Recommendations
Advised to attend FDP on Teaching Methodology or Refresher course
If Improvement still needs

Feedback Committee | Academic Coordinator | IQAC | Principal
PRINCIPAL
KRISHNA TEJA PHARMACY COLLEGE
CHADALAWADA NAGAR
TIRUPATI



BEST AWARD

NIRMALA COLLEGE OF PHARMACY

CERTIFICATE
of participation

This certificate is proudly presented to
Mr. VUPPUTURI YOGEESWARA RAO

For participation in
A one-week eFaculty Development Programme on "Outcome Based Education: Pre-requisite for obtaining Accreditation" Organized by Nirmala College of Pharmacy, Kadapa, Andhra Pradesh, From 20th February – 02nd March, 2022.

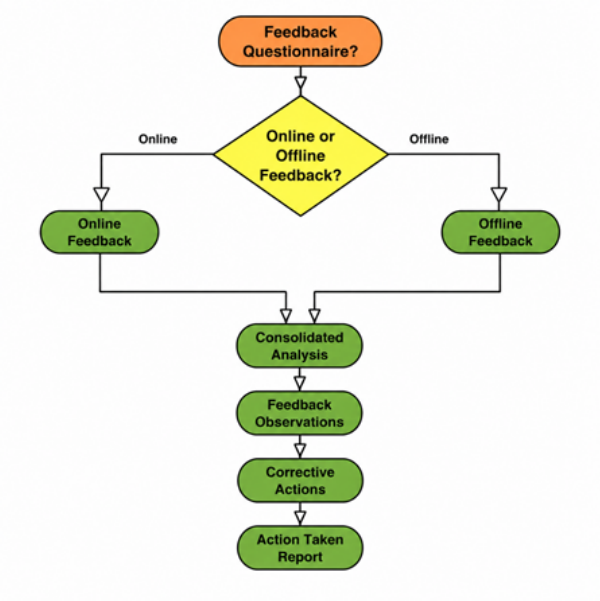
Dr. Mahesh Kumar, M. Pharm, Ph.D
Principal

8.3 Feedback on facilities (5)

Total Marks 5.00

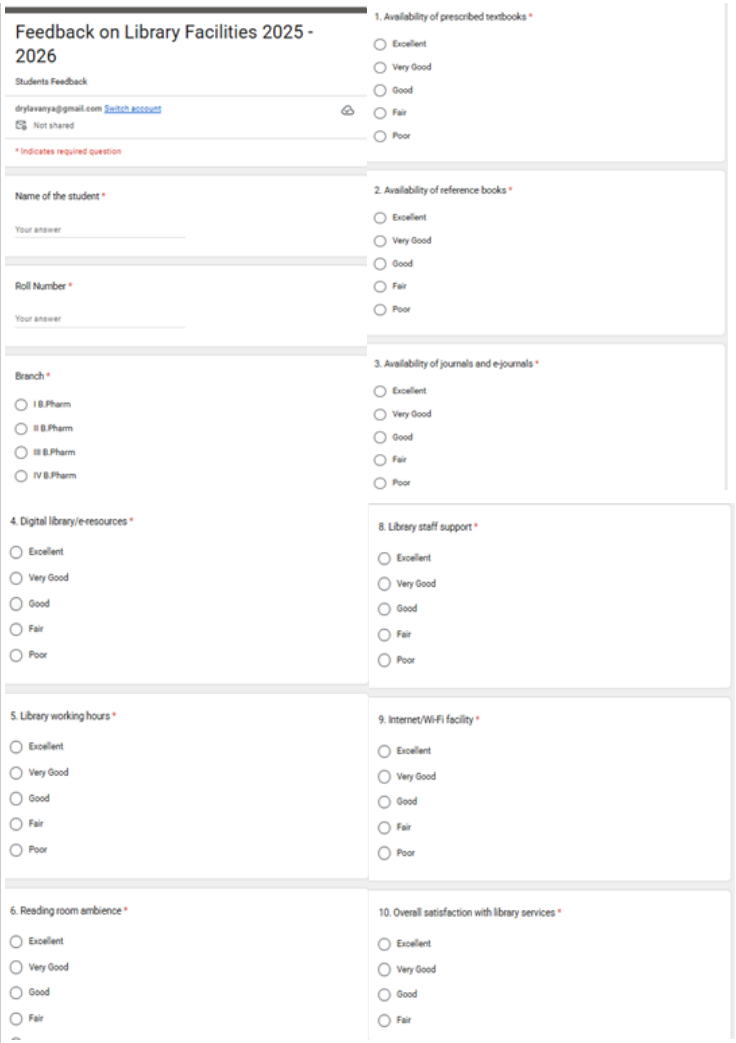
Institute Marks : 5.00

Feedback on facilities is collected annually from students through a structured feedback questionnaire both online and offline modes. The feedback covers major student support facilities, including library, computing facilities, laboratories, canteen and sports facilities. Students rate the facilities on a five-point scale ranging from 5 – Excellent to 1 – Poor. The feedback is systematically analyzed to identify areas requiring improvement. Based on the feedback analysis, necessary corrective and improvement measures are implemented by the institution to enhance the quality, accessibility and effectiveness of facilities provided to students.



The feedback questionnaire covers the following aspects:

- **Library Facilities:** Availability of prescribed and reference books, journals/e-journals, digital library/e-resources, working hours, reading room ambience, book issue and return process, staff support, internet/Wi-Fi facility and overall satisfaction.
- **Computing Facilities:** Availability of computers, internet speed, Wi-Fi connectivity, required software, computer laboratory maintenance, smart classroom facilities, LCD projectors, technical support, power backup and overall satisfaction.
- **Laboratory Facilities:** Availability and working condition of equipment, chemicals, reagents and glassware, laboratory safety, cleanliness, technical staff support, practical demonstrations, laboratory manuals/SOPs and overall satisfaction.
- **Canteen Facilities:** Quality and variety of food, hygiene, cleanliness, pricing, staff service, drinking water, seating arrangements, service timeliness and overall satisfaction.
- **Sports Facilities:** Availability of indoor and outdoor games, sports equipment, playground maintenance, coaching/guidance, sports events, student participation, equipment maintenance, accessibility and overall satisfaction



Feedback on Library Facilities 2025 - 2026

Students Feedback

drylavanya@gmail.com Switch account

Not shared

* Indicates required question

Name of the student *

Your answer

Roll Number *

Your answer

Branch *

- I B.Pharm
- II B.Pharm
- III B.Pharm
- IV B.Pharm

4. Digital library/e-resources *

- Excellent
- Very Good
- Good
- Fair
- Poor

5. Library working hours *

- Excellent
- Very Good
- Good
- Fair
- Poor

6. Reading room ambience *

- Excellent
- Very Good
- Good
- Fair

1. Availability of prescribed textbooks *

- Excellent
- Very Good
- Good
- Fair
- Poor

2. Availability of reference books *

- Excellent
- Very Good
- Good
- Fair
- Poor

3. Availability of journals and e-journals *

- Excellent
- Very Good
- Good
- Fair
- Poor

8. Library staff support *

- Excellent
- Very Good
- Good
- Fair
- Poor

9. Internet/Wi-Fi facility *

- Excellent
- Very Good
- Good
- Fair
- Poor

10. Overall satisfaction with library services *

- Excellent
- Very Good
- Good
- Fair

Corrective and Improvement Measures Taken

Based on student feedback, the following improvement measures were undertaken:

1. Availability of chemicals and reagents in laboratories was increased based on academic requirements.
2. Additional fans were provided at need-based locations in laboratories to improve ventilation and student comfort.
3. The number of reference books in the library was increased to improve access to learning resources.
4. One library hour per week was incorporated into the timetable to facilitate regular student access to library resources.
5. The playground was regularly maintained to improve the usability of sports facilities.
6. Procurement of sports equipment was strengthened based on student requirements and participation needs.
7. The number of computers was increased to improve access to computing facilities.
8. The canteen was redesigned, maintenance and cleanliness measures were strengthened to improve the quality of canteen services.

S. No.	Facility	Feedback Observation	Corrective Action Implemented

1	Laboratory – Chemicals	Requirement for adequate chemicals and reagents for practical classes	Departmental meetings were conducted to review the requirements of chemicals and reagents. Based on the identified requirements, additional chemicals and reagents were procured.
2	Laboratory – Apparatus	Requirement for functional laboratory apparatus	Additional Laboratory apparatus were procured wherever required.
3	Laboratory – Equipment	Requirement for additional/upgraded laboratory facilities	New laboratory equipment were procured based on departmental requirements to strengthen practical and experimental facilities.
4	Library – Books	Requirement for additional learning resources	Additional books and volumes were procured to strengthen the library collection and improve availability of learning resources.
5	Library – E-resources	Requirement for access to digital library resources	Delnet, k-Nimbus, Digi-Grandhalaya facility was procured through the University Consortium to strengthen access to digital library resources.
6	Library – Drug Information Resources	Need for updated drug information resources	The drug information resource was upgraded from Micromedex to Lexidrug to provide access to updated drug information.
7	Library – Pharmaceutical Resources	Need for updated pharmaceutical information resources	The pharmaceutical information resource was updated from Ex-Pharma (2025) to MyCalPharma (2026) to provide updated information resources.
8	Computing Facilities	Requirement for additional computing facilities	Additional computers were procured to improve student access to computing facilities and support academic activities.
9	Sports Facilities	Need for greater opportunities for student participation	Sports competitions were regularly organized to encourage student participation and promote extracurricular and physical activities.
10	Canteen facilities	Infrastructure and seating for students	Canteen's layout was upgraded, interiors were redesigned.

8.4 Self Learning (5) Total Marks 5.00

Institute Marks : 5.00

The institution provides adequate facilities, resources and opportunities to promote self-learning and learning beyond the classroom. Students are encouraged to develop independent learning habits through library resources, digital resources, internet facilities, assignments, seminars, workshops, project work, industrial visits and training, hospital interaction, add-on programmes and e-learning platforms. The Principal and faculty members continuously guide and motivate students to make effective use of these resources and develop self-directed and peer-to-peer learning skills. Students are oriented towards available self-learning resources and are encouraged to explore current developments in pharmaceutical sciences beyond the prescribed curriculum.The major facilities and activities supporting self-learning include library and digital resources, internet and computer facilities, seminars and workshops, industry and hospital exposure, industrial training, guest lectures, MOOC courses, projects, assignments and student participation in professional and co-curricular activities.

Library

The institution provides a well-established library facility to support self-learning, reference work, literature search and academic enrichment. The library has a collection of 6,836 volumes and 1,255 titles, including textbooks, reference books, dictionaries, encyclopedias, pharmaceutical journals and publications from various fields. It also maintains 63 project reports, 32 printed national journals, 31 international journals and 4 newspapers. Photocopying facilities and a digital library are available to support students in accessing academic resources. The library provides books and reference materials for competitive examinations such as GPAT, UPSC, APPSC, NET, GRE and IBPS. Latest editions of important official publications, including the Indian Pharmacopoeia, are made available to students. The library also maintains university examination question papers to support independent examination preparation.

The institution has progressively strengthened its digital library and e-resource facilities. DELNET was made available in 2023, followed by K-Nimbus in 2024. In 2025, MyCalPharma and Lexicomp were introduced to provide access to update pharmaceutical and drug-information resources. In 2026, Digi Grandhaalaya was made available through the University Consortium, further strengthening access to digital library resources. In addition to academic resources, the library provides non-pharmacy and general-interest books. Students are provided with book-lending facilities. Dissertations and project reports are also maintained as academic reference resources.

The availability of print and digital resources enables students to undertake independent reading, literature search, examination preparation, reference work and subject enrichment.

Digital and Technology-Enabled Self-Learning Resources

S. No.	Facility	Details	Year / Status	Relevance to Self-Learning
1	Digital Library	Digital library facility available for accessing e-learning resources	Available	Supports independent access to academic resources
2	DELNET	Access to digital library and networked resources	2023	Facilitates literature search and access to scholarly resources
3	K-Nimbus	Digital learning / academic resource	2024	Supports access to digital learning resources
4	MyCalPharma	Pharmaceutical information resource	2026	Provides access to updated pharmaceutical information
5	Lexicomp	Drug information resource	2026	Supports independent access to drug information and reference resources
6	Digi-Grandhalaya	Digital library resource through University Consortium	2026	Strengthens access to digital library resources
7	Computer Laboratory	75 computers	Available	Provides dedicated infrastructure for digital learning and literature search
8	Internet Connectivity	100 Mbps internet facility	Available	Enables access to online learning and academic resources

Technical Symposiums, Seminars and Workshops :

The institution encourages students to participate in seminars, workshops, symposiums, poster presentations, quizzes and academic events organized within and outside the institution. These activities are conducted based on identified learning requirements and provide students with opportunities to gain knowledge beyond regular classroom teaching .The activities cover areas such as narcotic drug abuse awareness, drug regulatory requirements, medical coding, intellectual property rights and communication skills. Through these programmes, students gain exposure to current professional practices, develop scientific and professional knowledge, and strengthen their analytical, communication and independent learning skills.

Self-Learning and Beyond-Curriculum Activities

S. No.	Gap Identifies	Self-Learning Activity	Date	Outcome	Resource Person	Relevant POs
1	Need for awareness of substance abuse and its health and social consequences	Awareness Session on Prevention of Narcotic Drug Abuse	23.08.2025	Students gained awareness of narcotic drug abuse, its consequences and preventive measures.	S. Aruna, Sub inspector,Tiruchanoor	PO6, PO9, PO11

2	Need for awareness of current regulatory requirements in pharmaceutical drug development and approval	Drug Approval Process: India and Global Perspectives	24.09.2025	Students gained awareness of drug approval procedures and regulatory requirements in India and globally.	N.Sunil Kumar, Manager Viatris Global Health Care, Hyderabad .	PO1, PO9, PO11
3	Need for exposure to emerging professional practices and interdisciplinary applications in healthcare	CPT and HCPCS Coding Systems	18.10.2025	Students gained knowledge of medical coding systems and their applications.	Mrs. G. Mamatha, Medical coder, Arietis Health, Noida	PO4, PO6, PO11
4	Need for awareness of intellectual property protection in pharmaceutical research	Role of Intellectual Property Rights in Pharmaceutical Research	13.11.2025	Students developed awareness of IPR and its relevance to pharmaceutical research and innovation.	K Kiran, Drug Safety Associate APCER Life Sciences, Hyderabad.	PO3, PO11
5	Need for strengthening communication and professional skills	Communication Skills Development Programme	06.12.2025	Students enhanced their communication and professional skills required for academic and professional interactions.	Dr. S. LahoorBasha, Senior medical writer, Syneos Health, London, UK	PO8, PO11

Industry, Hospital and Institutional Collaborations

The institution promotes experiential, industry-oriented and self-directed learning through collaborations with hospitals, research institutions, industries and other organizations. These collaborations provide students with opportunities for industrial training and visits, hospital exposure, internships, research interaction, guest lectures, workshops, drug information services and patient counselling.

Through these activities, students relate theoretical knowledge to practical situations, interact with professionals and gain exposure to pharmaceutical manufacturing, formulation, quality control, packaging, hospital pharmacy, patient care, drug information and research practices. Industrial and hospital interactions also help students understand workplace requirements and current developments in pharmaceutical and healthcare sectors.

The institution has established collaborations with Sri Balaji Medical College Hospital and Research Institute, Renigunta; Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati; and Russh Multi Speciality Hospitals, Tirupati for training, internships, research interaction, guest lectures, workshops, hospital-based learning, drug information and patient counselling. Industrial visits and hospital interactions further provide students with opportunities to observe professional practices, interact with experts and apply classroom knowledge in real-world settings. These activities strengthen experiential learning, practical competence, professional awareness, research orientation and independent learning.

Industry, Hospital and Institutional Collaborations for Experiential and Self-Learning

S. No.	Organization	Activities Initiated through Collaboration	No. of Students Benefited	Outcome	Relevant POs

1	Sri Balaji Medical College Hospital and Research Institute, Renigunta	Training, internship and clinical research interaction	106	Students gained practical exposure to healthcare settings and clinical research.	PO1, PO6, PO11
2	Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati	Research interaction, exchange of expertise, guest lectures and workshops	106	Students gained exposure to research practices, expert knowledge and emerging developments.	PO3, PO6, PO11
3	Russh Multi Speciality Hospitals, Tirupati	Hospital-based learning, drug information services and patient counselling	106	Students gained exposure to hospital pharmacy, drug information and patient counselling.	PO1, PO6, PO8, PO9, PO11
4	Giyaan Pharmaceuticals	Industry-oriented training / learning activity	26	30 students benefited through exposure to pharmaceutical industry practices and professional learning.	PO1, PO6, PO11
5	Falcon Pharmaceuticals, Hyderabad	Industry Visit	97	Awareness of pharmaceutical industry practices and professional requirements	PO1, PO6, PO10, PO12
6	Atharva Marketing Company, Hubli	Interaction related to pharmaceutical marketing and professional practices	97	Awareness of pharmaceutical marketing and work place practices	PO1, PO6, PO8, PO10
7	Cosmo Pharma, Hyderabad	Industry interaction/linkage	98	Awareness of pharmaceutical industry practices and professional requirements	PO1, PO6, PO10, PO12
8	Suits Care India Pvt. Ltd.	Clinical training, internships, career guidance, guest lectures, workshops, health talks and emergency-care training	214	Practical exposure to healthcare practices, emergency skills and career opportunities	PO1, PO5, PO6, PO7, PO8, PO10
9	Anka Pharmaceuticals	Partial delivery of CADD and Pharmacovigilance	318	Specialized and application-oriented learning in contemporary pharmaceutical practices	PO1, PO2, PO3, PO6, PO1

MOOCs for Self-Learning :

The institution encourages students to enroll in MOOC courses through NPTEL to supplement class room learning and development of independent learning habits. These courses provide access to structured learning modules, online lectures and additional subject-specific resources, enabling students to learn independently and explore areas beyond the prescribed curriculum. MOOCS are also utilized for self-learning in selected Open Elective and Professional Elective areas, enabling students to explore specialized and emerging areas according to their academic interests.

Assignments further promote self-learning through scientific literature search, scientific writing and use of relevant digital/ scientific resources. In addition, non-university mandatory courses such as Universal Human Values and Professional Ethics, Health, Wellness and Stress Management, Constitution of India and Essence of Indian Traditional Knowledge provide broader learning opportunities and support holistic development. Where applicable, credits earned through approved MOOCs/ e- learning courses are transferred or accounted for as per the applicable JNTUA R23 regulations and institutional procedures. These initiatives promote self-directed learning and knowledge enhancement.

Details of Skill Development Programmes, Industrial Visits and Summer Internship Activities :

Sl. No.	Initiative	Target Group	Duration	Implementation	Outcome	Relevant POs
1	Community Service Project – Summer Internship	B.Pharm. students after Second Year	08 weeks	Undertaken with government organizations/NGOs/other organizations; evaluated as per APSCHE/University guidelines	Development of community orientation, professional responsibility and practical learning	PO1, PO6, PO8, PO9, PO10
2	Industry Internship – Summer Internship	B.Pharm. students after Third Year	08 weeks	Conducted in collaboration with pharmaceutical industries; industry certificate, internship report and oral presentation; report and presentation carry 50% weightage each	Practical exposure to industrial operations, workplace practices and application of theoretical knowledge	PO1, PO6, PO10, PO12
3	Industrial Visits	B.Pharm. students	-	Visits to pharmaceutical industries; interaction with industry personnel and preparation of visit reports	Understanding of manufacturing, QC, regulatory practices and workplace requirements	PO1, PO6, PO10, PO12
4	Soft Skill Development Programmes	B.Pharm. students	-	Communication, confidence, teamwork and employability-oriented activities	Improved communication, confidence, teamwork and professional skills	PO8, PO9, PO10, PO12
6	Guest Lectures / Seminars / Workshops	B.Pharm. students	-	Sessions by faculty members and external professionals on recent developments and professional practices	Exposure to contemporary developments and professional knowledge	PO1, PO6, PO8, PO10

8.5 Career Guidance, Training, Placement (10) Total Marks 10.00

Institute Marks : 10.00

The institution has a dedicated Training and Placement Cell that coordinates career guidance, training, internship and placement-related activities for students. The Cell functions under the guidance of the Principal in coordination with Heads of Departments, faculty members and external organizations. It facilitates career awareness, employability enhancement, internship opportunities, placement preparation and guidance for higher studies.

The Training and Placement Cell regularly organizes career guidance programmes, placement-oriented training, technical and professional skill development programmes, personality development programmes, higher education guidance and industry-oriented activities. Students are provided guidance regarding career opportunities, industry expectations, interview skills, professional competencies, higher education and opportunities in India and abroad.

The institution also facilitates one-month industry internships for students, providing practical exposure to industrial practices, professional work environments and workplace requirements. The internship experience helps students connect theoretical knowledge with practical applications and understand industry expectations.

Career Guidance, Training and Internship Activities

S. No.	Career Guidance / Training / Internship Activity	Academic Year	No. of students benefited	Outcome	Resource Person
1	Career Guidance on Higher Education and Career Opportunities Abroad	24.01.2024	85	Students were guided regarding higher education opportunities and career prospects abroad.	Mr. Sony Akkara, Executive Director, Eazy Link Acadamy, Kerala
2	Importance of Profession-Ready Training and Placement Opportunities	28.08.2024	108	Students were sensitized to employability skills, professional requirements and placement opportunities.	Mr. Y. Balaji Global Six Sigma Consultants, Hyderabad
3	Career Guidance Programme and SAS Demonstration Session by Clinipro	08.11.2024	90	Students were exposed to SAS and related career opportunities.	Dr. Sai Prakash, Director, Clinipro, Hyderabad
4	Personality Development Programme	03.01.2025	90	Students were trained in personality development and employability skills.	Dr. C. Ravichand, Professor, Chadalawada Ramanamma Engineering College, Tirupati
5	International Campus Connect Programme	28.11.2025	90	Students received exposure to international academic and career opportunities.	Mr. P. Sai Kumar, International Campus Connect, Tirupati
6	Career Planning and Goal Setting Programme	17.12.2025	100	Students were oriented towards career planning, goal setting and identification of career interests.	Yogeshwer G Youth Leader, AI & Data Science, Enthusiast, AI Trainer

7	One-Month Industry Internship Programme	2025-2026	30	Students gained practical exposure to industrial practices and workplace requirements.	Giyaan Pharmaceuticals, Renigunta

Higher Education and Career Counselling

The institution provides guidance to students interested in pursuing higher education and competitive examinations. Students are informed about available higher education opportunities, eligibility requirements, admission procedures and career pathways. Guidance programmes also provide exposure to opportunities for higher education and careers in India and abroad.

Effectiveness of Career Guidance, Training and Placement Activities

The effectiveness of the activities is assessed through student progression towards employment and higher education. The institution monitors placement-related performance and the number of students progressing to higher studies.

Performance Indicator	LYG	LYGm1	LYGm2
Placement Index	35	34	36
Students Progressing to Higher Studies	42	54	27

The placement index and progression to higher studies indicate the outcomes of the career guidance, training and placement initiatives undertaken by the institution. The feedback and participation of students are considered for planning and strengthening subsequent career development activities. Thus, the Training and Placement Cell provides a structured mechanism for career guidance, employability training, industry exposure, internships, placement support and higher education counselling, thereby supporting students in making informed career and academic decisions.

8.6 Entrepreneurship Cell (5) Total Marks 5.00

Institute Marks : 5.00

The institution has an Entrepreneurship Development Cell (EDC) to promote entrepreneurial awareness, innovation and self-employment opportunities among students. The Cell provides a platform for students to gain awareness of entrepreneurship, intellectual property rights, start-up opportunities, product development, pharmaceutical marketing and emerging technologies. It facilitates interaction with industry experts, entrepreneurs, alumni and other resource persons through awareness programmes, guest lectures and skill-development activities.

Management of the EDC

The EDC functions under the guidance of the Principal, with a Faculty Coordinator responsible for planning and coordinating its activities in association with faculty members, student representatives and external resource persons. The Cell identifies relevant areas for entrepreneurial awareness and organizes programmes to expose students to business opportunities, professional skills and emerging developments in the pharmaceutical sector.

Activities and Effectiveness

The effectiveness of the EDC is demonstrated through the entrepreneurship and skill-development activities conducted during 2025–26, covering areas such as soft skills and professional skills, 3D printing and bioprinting, drug discovery and development, artificial intelligence in the pharmaceutical industry, pharmaceutical marketing, and medicinal plants and phytopharmaceuticals. These activities provide students with exposure to emerging technologies, pharmaceutical business opportunities, product development, professional skills and entrepreneurial possibilities. Interaction with experts and professionals helps students understand industry practices and explore self-employment and entrepreneurial career opportunities. The EDC also encourages students to explore entrepreneurial opportunities in areas such as pharmaceutical marketing, community pharmacy, herbal products, nutraceuticals, cosmetics and pharmaceutical enterprises.

Entrepreneurship Development Activities and Outcomes :

S. No.	Activity	Date	Entrepreneurship Relevance	Outcome	Resource person
1	Training Programme on Soft Skills, Interview Preparation, Resume Writing and Career Opportunities in Pharmacy	17.12.2025	Professional and employability development	Enhanced professional and career-readiness skills	Mr. Yogeshwer G., Youth Leader, AI & Data Science Enthusiast and AI Trainer
2	3D Printing and Bioprinting in Pharma and Ayurveda	29.01.2026	Exposure to emerging technology and innovation	Awareness of technology-based opportunities	Dr. Mamella Ravi Shankar, IIT Tirupati
3	Drug Discovery and Development: At a Glance	30.01.2026	Pharmaceutical industry and innovation awareness	Understanding of drug-development processes and opportunities	Dr. Chandriah Godugu, Assistant Professor, NIPER Hyderabad
4	Artificial Intelligence in the Pharmaceutical Industry	10.02.2026	Technology and innovation awareness	Awareness of AI applications and emerging opportunities	Dr. P. Rajesh, Associate Professor, CSE Aligned Branch, Chadalawada Ramanamma Engineering College, Tirupati
5	Marketing of OTC and Prescription Medicines	18.03.2026	Pharmaceutical marketing and business development	Awareness of pharmaceutical marketing practices	Mr. V. Venkata Ramana, Sales Manager, Intra Life Private Limited
6	Medicinal Plants and Phytopharmaceuticals	28.03.2026	Entrepreneurial opportunities in herbal/ phytopharmaceutical products	Awareness of potential entrepreneurial areas	Dr. Rajendra Prasad, Ayurvedic Production Supervisor, Tirupati
7	One month industry internship programme	2025-2026	30	Students gained practical exposure to industrial practices and workplace requirements	Giyaan pharmaceuticals, Renigunta

8.7 Co-curricular and Extra-curricular Activities (10) Total Marks 10.00

Institute Marks : 10.00

The institution provides students with opportunities to participate in a variety of co-curricular and extra-curricular activities that complement academic learning and promote their overall development. Students actively participate in academic, professional, cultural, social-service and sports activities and are also encouraged to assist in organizing events under faculty guidance. These activities provide opportunities for students to develop communication, teamwork, leadership, creativity, social responsibility and physical fitness.

Summary of Co-curricular and Extra-curricular Activities

Category	No. of Activities	Student Participation
Co-curricular Activities	14	310
Extra-curricular Activities	15	520
NSS Activities	12	100
Sports Activities	7 sports/games	120

Co-curricular Activities

The institution organizes academic and professional activities such as orientation programmes, Pharmacy Week, oral presentations, awareness programmes, plantation activities and health-related programmes. The activities conducted during the assessment period are given below.

Academic Year 2025–2026

S. No.	Activity Title	Outcome	No. of students benefited	Relevant POs
1	National Pharmacy Education Day Programme	Students gained awareness of pharmacy education and professional development.	320	PO6, PO8, PO11
2	Tree Plantation and Environmental Awareness Programme	Students developed awareness of environmental responsibility and sustainable practices.	33	PO9, PO10
3	Student Orientation Programme	Students were oriented to academic, professional and institutional expectations.	121	PO6, PO11
4	National Pharmacy Week Celebrations	Students gained professional exposure and enhanced awareness of the role of pharmacy in healthcare.	415	PO1, PO6, PO8
5	Student Oral Presentation Programme	Students developed scientific communication and presentation skills.	103	PO3, PO8, PO11

Academic Year 2024–2025

S. No.	Activity Title	Outcome	No. of students benefited	Relevant POs
1	Free Eye Screening and Health Camp	Students participated in community-oriented health activities and gained awareness of public-health needs.	35	PO6, PO9

2	National Education Day Programme	Students gained awareness on the importance of education and participated in academic and awareness activities.	350	PO8, PO11
3	Student Orientation Programme	Students were oriented to academic, professional and institutional expectations.	120	PO6, PO11
4	National Pharmacy Week Celebrations	Students enhanced awareness of pharmacy as a profession and its role in healthcare.	405	PO1, PO6, PO8
5	Student Oral Presentation Programme	Students developed scientific communication, presentation and information-sharing skills.	102	PO3, PO8, PO11

Academic Year 2023–2024

S. No.	Activity Title	Outcome	No. of students benefited	Relevant POs
1	Free Eye Screening and Health Camp	Students gained exposure to community health needs and participated in health-service activities.	40	PO6, PO9
2	Tree Plantation and Environmental Awareness Programme	Students developed awareness of environmental protection and sustainable practices.	30	PO9, PO10
3	Student Orientation Programme	Students became familiar with academic, professional and institutional expectations.	120	PO6, PO11
4	National Pharmacy Week Celebrations	Students gained exposure to pharmacy-related activities and professional responsibilities.	410	PO1, PO6, PO8, PO11

Extra-curricular Activities

Students are encouraged to participate in cultural, commemorative and recreational activities conducted by the institution. These activities provide opportunities for students to develop creativity, confidence, teamwork and social interaction.

Academic Year 2025–2026

S. No.	Activity Title	Outcome	No. of students benefited	Relevant POs
1	Independence Day Celebrations	Students participated in activities promoting social awareness and responsible citizenship.	570	PO5, PO9
2	Teachers' Day Celebrations	Students developed interpersonal interaction, teamwork and organizational skills.	541	PO5, PO8

3	Freshers' Welcome Programme	Students developed teamwork, communication and event-organizing skills.	512	PO5, PO8
4	Farewell Programme	Students participated in collaborative activities and strengthened interpersonal communication.	510	PO5, PO8
5	Sankranthi Celebrations	Students participated in cultural activities promoting interaction, teamwork and appreciation of cultural diversity.	450	PO5, PO8

Academic Year 2024–2025

S. No.	Activity Title	Outcome	No. of students benefited	Relevant POs
1	Geetha Saramsam Programme	Students participated in a cultural and value-oriented activity, promoting interpersonal interaction and broader learning.	107	PO5, PO8
2	Independence Day Celebrations	Students participated in activities promoting social awareness and responsible citizenship.	517	PO5, PO9
3	Republic Day Celebrations	Students participated in activities promoting civic awareness and responsible citizenship.	515	PO5, PO9
4	Teachers' Day Celebrations	Students developed interpersonal interaction, teamwork and organizational skills through participation.	521	PO5, PO8
5	Freshers' Welcome Programme	Students developed teamwork, interaction and event-organizing skills.	503	PO5, PO8
6	Farewell Programme	Students participated in collaborative activities that strengthened interpersonal interaction and communication.	511	PO5, PO8

Academic Year 2023–2024

S. No.	Activity Title	Outcome	No. of students benefited	Relevant POs
1	Independence Day Celebrations	Students participated in institutional and national activities, promoting social awareness and responsible citizenship.	560	PO5, PO9
2	Teachers' Day Celebrations	Students participated in collaborative and cultural activities, developing interpersonal and organizational skills.	492	PO5, PO8
3	Van Mahotsav Celebrations	Students developed awareness of environmental responsibility and conservation.	96	PO9, PO10

4	Freshers' Welcome Programme	Students developed interpersonal interaction, teamwork and organizational skills.	512	PO5, PO8

NSS Activities

The NSS unit provides students with opportunities to participate in community-oriented, social-awareness and national-service activities. The activities conducted include:

Academic Year 2025–2026

S. No.	Activity Title	Date	Outcome	No. of students benefited	Relevant POs
1	NSS Special Camp	01.12.2025–07.12.2025	Students participated in community-oriented activities and developed social responsibility, teamwork and leadership skills.	214	PO5, PO8, PO9
2	National Voters' Day Programme	24.01.2026	Students developed awareness of civic responsibilities and responsible citizenship.	101	PO9
3	Drug Abuse Awareness Programme	06.04.2026	Students gained awareness of drug abuse, its health and social consequences and preventive measures.	450	PO6, PO9

Academic Year 2024–2025

S. No.	Activity Title	Date	Outcome	No. of students benefited	Relevant POs
1	World No Tobacco Day Awareness Programme	31.05.2024	Students gained awareness of tobacco-related health issues and their social implications.	70	PO9
2	Har Ghar Tiranga Campaign	14.08.2024	Students participated in a national awareness initiative and developed civic responsibility.	42	PO5, PO9
3	Women's Health and Wellness Awareness Programme	07.11.2024	Students gained awareness of health and wellness issues affecting women and society.	141	PO9
4	National Science Day Programme	28.02.2025	Students gained exposure to scientific developments and the importance of scientific thinking.	115	PO1, PO11

Academic Year 2023–2024

S. No.	Activity Title	Date	Outcome	No. of students benefited	Relevant POs
1	International Women's Day Programme	07.03.2023	Students gained awareness of gender equality, health and social responsibilities.	209	PO8, PO9

2	National Energy Conservation Awareness Programme	14.12.2023	Students developed awareness of energy conservation and sustainable practices.	352	PO9, PO10
3	National Voters' Day Programme	25.01.2024	Students developed awareness of civic responsibilities and responsible citizenship.	220	PO9
4	Voter Registration Awareness Programme	24.02.2024	Students gained awareness of civic participation and social responsibility.	110	PO9
5	National Science Day Programme	28.02.2024	Students were encouraged to appreciate scientific knowledge and developments.	112	PO1, PO11

Sports Activities

The institution provides opportunities for students to participate in indoor and outdoor sports and games. Students participate in sports activities at institutional, university and higher levels.

Sports and Games Offered

S. No.	Sports / Game	Outcome	Relevant POs
1	Cricket	Promotes teamwork, discipline and leadership through participation.	PO5
2	Volleyball	Develops teamwork, coordination and sportsmanship.	PO5
3	Tennikoit	Promotes physical fitness, discipline and sportsmanship.	PO5
4	Kabaddi	Develops teamwork, discipline and leadership qualities.	PO5
5	Throwball	Promotes teamwork, coordination and sportsmanship.	PO5
6	Chess	Develops strategic thinking, concentration and decision-making.	PO3, PO5
7	Carrom	Promotes concentration, coordination and recreational engagement.	PO5

9 GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES (100)

Total Marks 100.00

9.1 Organization, Governance and Transparency (50)

Total Marks 50.00

9.1.1 Governing body, administrative setup, functions of various bodies, service rules procedures, recruitment and promotional policies (10)

Institute Marks : 10.00

A well-defined governance and administrative framework has been established to ensure effective **academic, administrative, and quality management**. The **Governing Body** provides overall leadership, strategic direction, and policy guidance for the institution. The **Principal** serves as the key academic and administrative authority responsible for the effective implementation and coordination of institutional activities. The organizational structure further comprises the **Vice Principal, IQAC Coordinator, Heads of Departments, faculty members, and supporting staff**, with appropriate responsibilities and authorities delegated through various **academic, quality assurance, student-support, and administrative committees**. This structured governance mechanism facilitates effective decision-making, coordination, monitoring, and continuous improvement of institutional processes.

Composition of the Governing Body

S. No.	Name of the Member	Designation
1	**Dr. C. Chadalawada Krishnamurthy**	Chairman
2	**Mrs. Geddam Sumalatha**	Trustee
3	**Mrs. Jetty Kavitha**	Trustee
4	**Prof. V. Venugopal Reddy**	JNTUA Nominee
5	**Dr. V. Prabhakaran**	Retired Principal
6	**Dr. Surya Mohan**	Industry Representative – Reyer Pharma Limited, Tirupati
7	**Dr. V. Jayasankar Reddy**	Principal
8	**Dr. K. Ramesh Reddy**	Vice Principal
9	**Sri. G. Krishna Murthy Naidu**	State Government Nominee
10	**Dr. K. Umasankar**	HOD, Department of Pharmaceutics

Functions and responsibilities

- The Governing body of KTPC is the highest authority of academics, exercising the power indecision-making, examination, evaluation and consultation of all academic affairs of the colleges coming under KTPC.
- The role of the Governing body is to advise the Deans, Principals and faculty of various colleges for ensuring desired efficiency in respect of total quality management and attainment of expected academic outcomes.
- To examine and make decisions or authorize to examine and make decisions on teaching and research achievements, projects, awards and academic requirements of personnel posts.
- To review, advise on and develop policies on campus development, assessment for learning, teaching and learning quality
- To review and formulate policies to enhance students' learning motivation
- To review and decide the courses offered in each college
- To review and formulate policies to cater for student diversity
- To enhance the communication and collaboration between the academic departments

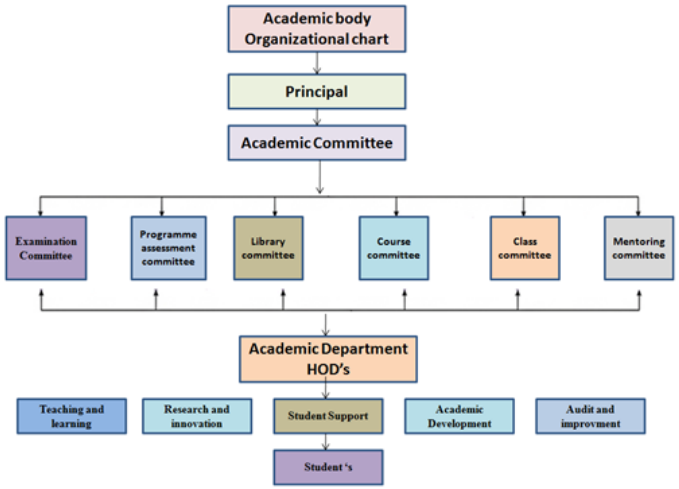
2. Academic committee

The Academic committee of our college shall be the principal academic authority of the Institution and shall be responsible for regulating, monitoring and maintaining the standards of teaching, research, training, evaluation and other academic activities of the Institution. The Academic Committee shall consist of the Head of the Institution, a faculty representative, nominees from the regulating University (JNTUA), four faculty members and four experts from outside the College. The Committee shall provide academic leadership and guidance for maintaining and improving the quality of academic programmes of the Institution. The Academic Committee shall be responsible for laying down and recommending academic policies relating to the maintenance and improvement of standards of teaching, research, training, extension activities, academic collaboration, examinations and evaluation.

S.No.	Name of the Member	Designation
1	Dr.V.Jayasankar Reddy	principal
2	Dr.K.Ramesh Reddy	Vice Principal
3	Dr.Y.Lavanya	IQAC Coordinator
4	PamarthyVasantha Kumar	HOD, Pharmaceutical Chemistry

5	Dr.KUmasankar	HOD, Pharmaceutics/Academic Incharge
6	Dr.A Kiran Kumar	HOD, Pharmaceutical Analysis
7	Dr.M S DivyaSree	HOD, Pharmacognosy
8	Dr.ArunaGundala	HOD, Pharmaceutical Quality assurance
9	Dr.K.ThirumalaNaik	Associate Professor
10	Mr.K.V. Nanda Kumar	Associate Professor
11	Mr.M.Guruvareddy	Associate Professor
12	Mrs.Y.Chandravadana	Associate Professor
13	V.Yogeeswara Rao	Examination Incharge

The Composition of Academic Committee:



Functions of academic committee:

- To consider matters of academic interest either on its own initiative or on the recommendations of the Governing Body, Principal, departments or faculty members and take appropriate action.
- To supervise the academic activities of the Institution and provide directions regarding teaching methods, practical training, evaluation and improvement of academic standards.
- To promote research and innovation within the Institution and periodically review research projects, publications, patents, consultancy and other research activities.
- To prescribe and review courses of study and ensure effective implementation of the curriculum prescribed by JNTUA and other competent regulatory authorities.
- To make arrangements for examinations and evaluation and ensure that examinations are conducted properly in accordance with the rules and regulations of the affiliating University.
- To maintain proper standards in examinations and assessment by reviewing internal assessment, examination results, student performance and evaluation procedures.
- To recommend measures for improvement of teaching, research and training, including faculty development, remedial teaching, advanced learner support and industry-oriented academic activities.

Governing, Academic and Administrative Bodies

S. No.	Committee	Major Functions and Responsibilities	Meeting Frequency	Attendance / External Participation

1	Governing Body	Institutional governance, strategic direction, policy decisions and overall monitoring	Twice	Attendance maintained; external/nominated members participate as applicable
2	Academic Committee	Academic planning, teaching-learning, curriculum implementation, examinations, evaluation, research and academic quality	Monthly	As applicable
3	Examination Committee	Planning, conduct and monitoring of examinations and evaluation	Monthly and before/after examinations	As applicable
4	IQAC	Quality assurance, continuous improvement, feedback and quality initiatives	Quarterly	Management, alumni, industry, society/educationist and student representation
5	Research Committee	Promotion, review and monitoring of research activities	Quarterly	External research expert
6	R&D Cell	Research, innovation, IPR and research-development activities	Quarterly	Industry/research representation
7	Anti-Ragging Committee	Prevention, monitoring and awareness relating to ragging	Quarterly and before commencement of academic year	Parents, students, police, NGO and media representation
8	Internal Complaints Committee	Prevention and redressal of complaints through the prescribed mechanism	Quarterly and as required	External NGO/legal representation
9	Library, Committees	Library development, procurement books journals and publications, budgeting and financial oversight	Once in a Semester	Attendance maintained
10	Training & Placement	Career development, industry interaction and alumni engagement	twice yearly	Industry and alumni representation
11	Grievance Committees	Student welfare, grievance redressal, discipline and student support	Monthly / quarterly / as required	Student representation
12	Sports Committees	Co-curricular, sports and cultural activities	Semester-wise / as required	Student representation
13	NBA Committee	Accreditation, programme assessment and continuous improvement	Monthly / twice per semester	Industry, alumni, employer and student representation
14	Purchase	Equipment procurement, vendor evaluation, tender review, and purchasing transparent processes	Quarterly and as required	Management / External Technical Expert
15	Finance	Institutional budget preparation, financial resource allocation, auditing, and fiscal oversight	Quarterly	Trust / Financial Expert
16	Alumni Committees	Alumni networking, mentorship, career support, and institutional development fundraising	Twice yearly	Alumina Representation
17	Student Welfare	Student amenities, well-being, extracurricular coordination, and campus life support	Monthly	Student representation
18	Programme Assessment Committee	Curriculum feedback, CO-PO attainment analysis, course reviews, and academic continuous improvement	Twice/Semister	Industry and Alumni representation
19	Discipline Committees	Maintenance of campus discipline, code of conduct enforcement, and investigating misconduct	Monthly	Student / Parent representation
20	Cultural Committees	Organizing institutional events, cultural fests, fine arts competitions, and talent promotion	Once/semester & before event	Student representation
21	Women protection cell	Gender sensitization, awareness programs, and safeguarding women staff and students	Quarterly	External NGO / Legal expert
22	SC/ST Cell	Safeguarding rights, monitoring scholarship implementation, and academic support for SC/ST students	Quarterly	External Community / Legal representation
23	Feedback committee	Collection, compilation, and analysis of stakeholder feedback (students, parents, employers, alumni)	Once in a year	Industry, Alumni, and Parent representation
24	NSS committee	Community outreach, social service programs, awareness drives, and national service initiatives	Twice yearly	Local Community / NGO representation

B. Published Service Rules, Policies and Procedures

This Service Rules shall be called as Krishna Teja Pharmacy College Employees Service Rules, 2023.These rules are framed as per AP Education Act 1983, AICTE Approval Process Handbook 2024-25, PCI Education Regulations 2014 & 2020, UGC Regulations on Minimum Qualifications 2018 (amended 2023) and JNTUA Affiliation Norms 2023.

These Rules shall be called the Krishna Teja Pharmacy College Employees Service Rules, 2023. These Service Rules shall govern the appointment, service conditions, duties, responsibilities, conduct, performance evaluation, promotion, leave, disciplinary procedures, retirement, resignation, and all other employment-related matters of teaching, technical, administrative, and supporting staff employed by Krishna Teja Pharmacy College.

S. No.	Rule / Policy	Scope	Year of Publication / Approval	Approving Authority
1	Service Rules	Service conditions, responsibilities and employee-related procedures	Published on october-2007/approval November-2007	Principal
2	Recruitment Policy & Procedure	Eligibility, selection and appointment of faculty and staff	Published on october-2007/approval November-2007	Governing Body
3	Promotion Policy	Career progression and promotion of eligible employees	Published on october-2007/approval November-2007	Governing Body
4	Leave Rules	Leave entitlement and approval procedures	Published on october-2007/approval November-2007	Principal
5	Performance Appraisal Policy	Assessment and review of employee performance	Published on october-2007/approval November-2007	Governing Body
6	Code of Conduct	Professional and ethical conduct	Published on october-2007/approval November-2007	Governing Body
7	Disciplinary Procedures	Procedure for dealing with violations of institutional rules	Published on october-2007/approval November-2007	Principal

Every employee shall be governed by these Service Rules from the date of appointment and shall comply with the provisions relating to service conditions, duties, responsibilities, conduct, discipline, leave, performance appraisal, promotion, retirement, resignation, and all other employment matters. For the purpose of these Service Rules, the Management shall mean the Board of Trustees of Krishna Teja Pharmacy College, functioning under C.V.S. Krishnamurthy Teja Charities, a public charitable trust registered under the provisions of the Indian Trusts Act, 1882, on 08 October 1997 shall monitor revise.

"The Governing Body reserves the absolute right to amend, modify, add to, or delete any rule, regulation, policy, or provision at any time, whenever it considers such changes necessary or appropriate. Any such amendments shall take effect from the date specified by the Governing Body, and all members, employees, students, or other concerned persons shall be bound by the revised rules without prior notice, unless otherwise stated."

List of staff selection committee:

S.No.	Name of the Member	Designation
1	Dr. C. Chadalawada Krishnamurthy	Chairman
2	Dr.V.Jayasankar Reddy	principal
3	Dr.K.Ramesh Reddy	Vice principal
4	Dr.Y.Lavanya	IQAC Coordinator
5	Dr.K Umasankar	HOD, Department of Pharmaceutics
6	Dr.P. Vasantha Kumar	HOD, Department of Pharmaceutical Chemistry
7	Dr.A Kiran Kumar	HOD, Department of Pharmaceutical Analysis
8	Dr.Karamthot Thirumala Naik	HOD, Department of Pharmacy Practice
9	Mr.K.V.Nanda Kumar	HOD, Department of Pharmaceutical Quality Assurance
10	Mr.M.Guruvareddy	Associate Professor, Depart of Pharmaceutical Chemistry

Assessment of Faculty Demo, Interview and Appointment

The teaching demonstration (Demo) of the shortlisted candidates at Krishna Teja Pharmacy College shall be assessed by the Staff Selection Committee and, wherever applicable, student representatives. The assessment shall cover the following parameters:

S.NO	Evaluation Criteria	Assessment Marks
1	Subject Knowledge	5
2	Communication Skills	5
3	Use of Teaching Aids (Board/PPT/Other)	5

4	Presentation & Delivery	5
5	Engagement & Classroom Interaction	5
6	Response to Student Questions	5
7	Teaching Methodology & Pedagogical Approach	5
8	Time Management	5
9	Confidence & Professionalism	5
10	Clarity of concepts	5
Total Marks		50

1. Teaching Demonstration: Shortlisted candidates shall deliver a teaching demonstration on an assigned topic.
2. Subject Knowledge: The candidate shall be assessed for depth of subject knowledge, accuracy and conceptual clarity.
3. Presentation Skills: The assessment shall consider organization of content, explanation, presentation and effective use of teaching aids.
4. Communication Skills: Audibility, clarity, confidence and interaction with students shall be evaluated.
5. Demo Assessment: The Staff Selection Committee shall record the candidates performance and recommend the candidate as “Recommended” or “Not Recommended.”
6. Personal Interview: Candidates recommended in the teaching demonstration shall appear for a personal interview conducted by the Principal/Head of the Institution, concerned Head of Department and Selection Committee.
7. Final Selection and Appointment: Based on qualifications, experience, demo and interview performance, the selected candidate shall be recommended to the competent authority for approval and issuance of the appointment letter.
8. Joining and Document Verification: The selected candidate shall submit the joining report and required original certificates, marks sheets, experience certificates and other documents for verification and acceptance of the institutional service rules.The organizational chart regarding various committees and Academic organizational chart is already discussed in the preceding point.

Minutes of Meetings and Action Taken Reports:

Meetings of the Governing Body, Academic Committee, IQAC, Examination Committee, Research Committee, Purchase Committee, Finance Committee and other functional committees are conducted according to the prescribed schedule or as required.

The proceedings of meetings are documented through notices, agendas, attendance records, signed minutes and resolutions. Decisions and recommendations are communicated to the concerned authorities or committees for implementation.

S. No.	Committee Name	Meeting Frequency	Documentation Maintained	Communication & Execution Protocol	Key Responsibilities & Focus
1.	Governing Body	Twice	Notices, Agendas, Signed Minutes, Resolutions	Sent to Principal & Trust Management for overall policy execution	Approval of annual budgets, infrastructure expansions, appointments, and strategic growth plans.
2.	Academic Committee	Twice	Attendance Records, Agendas, Minutes, Academic Calendar	Forwarded to Department Heads (HODs) and Faculty for implementation	Syllabus coverage, academic schedules, teaching methodology, and student performance review.

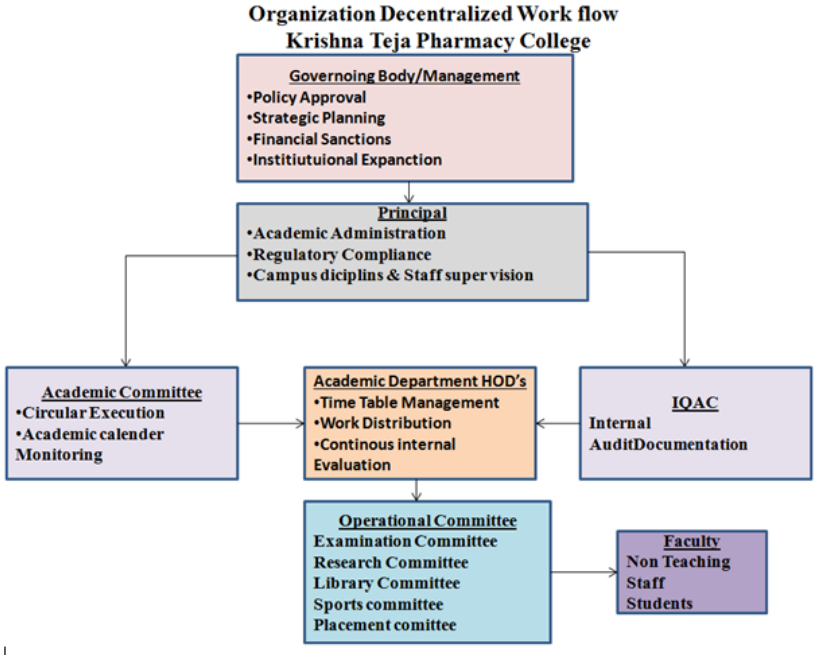
3.	Internal Quality Assurance Cell (IQAC)	Quarterly	Agendas, Detailed MoM, Action Taken Reports (ATR)	Distributed to all institutional committees and departments	Quality benchmarking, academic/administrative audits, feedback collection, and continuous institutional improvement.
4.	Examination Committee	Monthly and before/after examinations	Notices, Confidential Records, Attendance, Results Analysis	Communicated to Faculty Evaluators & Affiliating University (JNTUA)	Scheduling internal/external exams, evaluation oversight, result analysis, and handling academic grievances.
5.	Research Committee	Quarterly	Agendas, Proposal Reviews, Minutes, Progress Reports	Forwarded to Principal, R&D Coordinators, and Faculty Investigators	Promoting research projects, publication tracking, grant proposals, and industry-academic collaborations.
6.	Purchase Committee	Quarterly and as required	Requisitions, Comparative Quotations, Signed Minutes, POs	Communicated to Finance Department and Suppliers	Procurement of laboratory equipment, chemicals, glassware, library books, and IT infrastructure.
7.	Finance Committee	Quarterly	Budget Estimates, Financial Reports, Signed Minutes	Submitted to Management & Governing Body for final approval	Budget allocation, financial audits, fee structure review, and expenditure monitoring.
8.	Anti-Ragging Committee, Grievance Committee & Women Protection Cell	Monthly / quarterly / as required	Notices, Complaints Register, Minutes, Action Reports	Directly reported to the Principal and statutory regulatory bodies	Ensuring campus decorum, compliance with statutory guidelines, student welfare, and grievance redressal.

9.1.2 Decentralization in working and grievance redressal mechanism (15) Institute Marks : 15.00

Decentralization in Working

Operational Workflow:

- **Strategic Level:** Governing Body and Management formulate institutional policies, approve budgets, and set long-term goals.
- **Tactical Level:** Principal and IQAC oversee academic compliance, administrative operations, and quality assurance.
- **Operational Level:** Heads of Departments (HODs) and Committee Conveners execute daily academic schedules, manage departmental resources, and monitor student/staff activities.



S.No	Grievance Category	1st Level (Immediate Reporting)	2nd Level (Committee Level)	Apex Level (Final Appellate Authority)	Resolution Timeframe
1	Academic Grievance (Marks, Attendance, Teaching)	Mentor / Class In-Charge	Head of Department (HOD)	Principal / Academic Committee	3 to 5 Working Days
2	General / Infrastructure Grievance (Hostel, Transport, Canteen)	Hostel Warden / Transport In-Charge	Grievance Redressal Cell (GRC)	Principal / Administrative Officer	3 to 7 Working Days
3	Student Discipline & Misconduct	Class Coordinator	Discipline Committee	Principal / Management	3 to 5 Working Days
4	Anti-Ragging Complaints	Anti-Ragging Squad / Helpline	Anti-Ragging Committee	Principal / Local Police (if severe)	Immediate / 24 Hours
5	Prevention of Sexual Harassment	Women Protection Cell (WPC)	Internal Complaints Committee (ICC)	Governing Body / Legal Authorities	7 to 15 Days (Formal Inquiry)
6	Staff Service / Salary Grievance	Head of Department (HOD)	Establishment / Finance Section	Principal / Governing Body	7 to 10 Working Days

Other Committees

S.No.	Committees	Details of the Faculty members
1	Governing Body	Chairman
2	Academic committee	Member
3	IQAC	Member

4	Examination Committee Reasearch Committee R and D cell Anti – Ragging Committee Internal Complaint Committee Women Protection cell Library Committee Purchase Committee Finance Committee Training and Placement Cell Alumni Committee Student Welfare Committee SC/ ST cell Grievance Redressal Committee Discipline Committee Sports Committee Cultural Committee NBA Committee Programme Assessment Committee Feedback Committee NSS Committee	All the individual committee are handled by individual faculty

9.1.3 Delegation of financial powers (15)

Institute Marks : 15.00

The College has established a transparent, accountable and systematic mechanism for financial planning, budgeting, expenditure approval and utilization of institutional funds. Financial powers are delegated to the Principal, Heads of Departments and relevant in-charges in accordance with the approved institutional procedures. The delegation facilitates timely procurement, effective utilization of resources, proper financial control and accountability. The Finance Committee periodically reviews financial planning, annual budget proposals, allocation and utilization of funds, expenditure proposals, financial records and audit observations. The Committee also monitors compliance with institutional financial procedures and recommends corrective measures wherever necessary.

Delegation of Financial Powers

Sl. No.	Designation / Authority	Delegated Financial Power	Nature of Responsibility
1	Principal	Up to ₹30,000/- per approved expenditure	Approves expenditure within the sanctioned budget; supervises financial matters; monitors budget utilization and ensures compliance with institutional financial procedures and audit requirements.
2	Heads of Departments (HODs)	Up to ₹15,000/- within the allotted departmental budget	Prepare and submit departmental budget requirements, recommend expenditure and utilize the sanctioned departmental budget for academic and departmental requirements in accordance with approved procedures.
3	Relevant In-charges / Laboratory In-charges	Up to ₹5,000/- within the approved allocation	Prepare and recommend expenditure requirements for laboratory, academic, library, research and student-related activities and ensure proper utilization of the approved allocation.
4	Finance Committee	As per institutional financial procedures	Reviews budget proposals, expenditure, fund utilization, financial records and audit observations and recommends appropriate financial control measures.

Utilization of Delegated Financial Powers

The delegated financial powers have been exercised during the assessment period for various approved institutional, academic, departmental, laboratory, library, research and student-related activities. Expenditure proposals are initiated by the concerned department/in-charge, recommended through the prescribed channel and approved by the competent authority within the delegated financial limit. Year-wise records of expenditure, including budget allocation, expenditure incurred, approving authority and purpose of expenditure, are maintained and periodically reviewed. The utilization of delegated financial powers during each assessment year is supported by relevant budget statements, expenditure records, purchase bills/vouchers, approval proceedings and financial/audit records.

Financial Compliance and Audit

Financial transactions are carried out within the approved budget and delegated financial powers. Financial records are maintained systematically and are subject to periodic review and audit. Audit observations, wherever applicable, are reviewed by the competent authorities and corrective action is initiated to ensure financial compliance and accountability. The delegation of financial powers has therefore enabled decentralized decision-making, timely utilization of institutional resources, effective financial control and accountability at different levels of administration.

9.1.4 Transparency and availability of correct/unambiguous information in public domain (10) Institute Marks : 10.00

The Institute ensures transparency and availability of correct, clear and unambiguous information in the public domain through its official website. Relevant information pertaining to the academic, administrative and governance activities of the Institute is systematically published and made accessible to all stakeholders, including students, parents, faculty, staff, prospective students and other stakeholders.

The Institute website provides information regarding academic programmes, curriculum and course structure, admission procedures, eligibility criteria, fee structure, academic regulations, academic calendar, examination and evaluation procedures, results, scholarships, student support services, code of conduct, anti-ragging measures, grievance redressal mechanisms and institutional policies. Information related to the Governing Body, institutional committees, departments, faculty members, infrastructure, facilities, training and placement activities, research and development, co-curricular and extracurricular activities is also made available through appropriate sections of the website.

The Institute follows a systematic mechanism for reviewing, verifying and updating website content to ensure that the information available in the public domain is accurate, relevant, current and free from ambiguity. Important notices, circulars, announcements, examination schedules and other academic and administrative communications are also published through official channels in a timely manner.

9.2 Budget Allocation, Utilization, and Public Accounting at Institute level (30) Total Marks 30.00

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3
CFY : (Current Financial Year),
CFYm1 : (Current Financial Year minus 1),
CFYm2 : (Current Financial Year minus 2) and
CFYm3 : (Current Financial Year minus 3)

Table 1 - CFY 2025-2026

Total Income 48257000				Actual expenditure(till…): 52467245			Total No. Of Students 726
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
48257000	0	0	0	35185539	17281706	0	72268.93

Table 2 - CFYm1 2024-2025

Total Income 47002670				Actual expenditure(till…): 50654792			Total No. Of Students 714
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
47002670	0	0	0	35498941	15155851	0	70945.09

Table 3 - CFYm2 2023-2024

Total Income 48257000				Actual expenditure(till…): 51505599			Total No. Of Students 715
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
48257000	0	0	0	34281284	17224315	0	72035.80

Table 4 - CFYm3 2022-2023

Total Income 47480510				Actual expenditure(till…): 50002802			Total No. Of Students 722
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
47480510	0	0	0	39952417	10050385	0	69255.96

Items	Budgeted in 2025-2026	Actual Expenses in 2025-2026 till	Budgeted in 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till
Infrastructure Built-Up	12500000	11699148	12500000	9500000	15500000	10505050	7500000	7125820
Library	1250000	751250	1000000	1450000	2500000	1900200	1500000	1325620
Laboratory equipment	1800000	1452000	1500000	476738	5500000	2580442	2000000	1650023
Laboratory consumables	1000000	650000	1000000	853479	1000000	820092	1000000	721852
Teaching and non-teaching staff salary	40000000	35185539	37500000	35498941	35000000	34788972	35000000	34056100
Maintenance and spares	4000000	2652320	3500000	1742305	3000000	1350026	2500000	2150012
R&D	2500000	0	2000000	0	1750000	0	1500000	0
Training and Travel	500000	382150	500000	302512	1000000	650152	750000	512520
Miscellaneous expenses*	1000000	694838	1000000	852100	1000000	552620	1000000	652921
Others, specify	1000000	442932	1000000	382155	1000000	615419	1000000	989500
Total	**65550000**	**53910177**	**61500000**	**51058230**	**67250000**	**53762973**	**53750000**	**49184368**

9.2.1 Adequacy of budget allocation (10)

Institute Marks : 10.00

As per the availability of funds, every financial year, a budget estimate will be preparedby each department. The total budget will be reviewed and assessed by the Principal and the same shall be approved and sanctioned by the management. The sanctioned amount would be spent and the spending is monitored by the accounts section. The budgets are adequate for the Departments and the Institution.Additional allocations are made in special cases, if arise. The Management has been providing adequate budget since the inception of the College.

9.2.2 Utilization of allocated funds (15)

Institute Marks : 15.00

The funds are utilized for procurement of lab equipment, up-gradation of existing lab facilities, purchase of consumables, seminar/workshop, and conference/symposium etc., based on approval of Principal.The allocated fund is utilized efficiently by the departments.

9.2.3 Availability of the audited statements on the institute's website (5)

Institute Marks : 5.00

Financial Year	Web Site Link
CFYm1 2025-2024	https://krishnatejapharmacycollege.ac.in/
CFYm2 2024-2023	https://krishnatejapharmacycollege.ac.in/
CFYm3 2023-2022	https://krishnatejapharmacycollege.ac.in/

The audited statements of accounts of the college made available on the College website.

9.3 Library and Internet
It is assumed that zero deficiency report was received by the institution, Effective availability and utilization to be demonstrated. (20)

Total Marks 20.00

9.3.1 Quality of learning resources (hard/soft) (10)

Institute Marks : 10.00

The Central Library provides relevant print and digital learning resources to support curriculum delivery, self-learning, academic activities and research. The resources include textbooks, reference books, pharmacy-specific books, latest editions, national and international journals, e-books, e-journals and online databases. The Digital Library and campus-wide internet connectivity further facilitate access to e- learning resources.

1. **Availability of Relevant Learning Resources including E-resources and Digital Library**

The library has a comprehensive collection of learning resources relevant to pharmacy education, comprising textbooks, reference resources, project reports, journals, newspapers, competitive examination materials, official publications, question banks and digital learning resources.

Availability of Learning Resources

S. No.	Learning Resource	Availability	Academic Use
1	Library Collection	6,836 volumes / 1,255 titles	Supports curriculum-based learning, reference and self-learning
2	Project Reports	63	Supports project work, reference and independent learning
3	National Journals	32	Provides current subject-related information
4	International Journals	31	Provides access to international developments in pharmaceutical and allied sciences
5	Newspapers	4	Supports current awareness and general knowledge
6	Competitive Examination Resources	GPAT, UPSC, APPSC, NET, GRE, IBPS,CAT,GK,GMAT,CSAT	Supports preparation for competitive and higher-education examinations
7	Question Banks	Sessional and University examination papers	Supports examination preparation and self-assessment
8	Digital Library	Available	Provides access to digital learning and research resources
9	Computer Facility	75 computers	Facilitates digital learning and literature search
10	Internet Connectivity	100 Mbps	Enables access to online learning and research resources

The collection supports both prescribed curriculum requirements and learning beyond the curriculum. Project reports, dissertations, question banks and previous examination papers provide additional academic support, while competitive-examination resources facilitate preparation for higher studies and professional opportunities.

E-resources and Digital Learning Resources

The Digital Library has been strengthened through the progressive addition of e- resources and online information services:

S. No.	E-resource / Digital Facility	Year	Academic Utility
1	DELNET	2025	Literature search and access to scholarly resources
2	K-Nimbus	2024	Digital learning and academic resources
3	MyCalPharma	2026	Current pharmaceutical information and learning support
4	LexiDrug	2026	Drug information and pharmaceutical reference
5	DigiGrandhaalaya	2026	Digital library resources through University Consortium
6	Digital Library	Available	Access to e- learning resources
7	Internet Connectivity	100 Mbps	Access to online academic and research resources
8	Library Software	2025	NEWGEN LIB

The progressive addition of DELNET, K-Nimbus, MyCalPharma, Lexicomp and DigiGrandhaalaya demonstrates continuous strengthening of the digital learning-resource base. These resources complement the physical collection and support literature search, self-learning, academic assignments and research activities.

Access to Students

The learning resources are made accessible to students through the Central Library, book-lending facilities, book-bank facility, Digital Library and internet-enabled academic facilities. Students are encouraged to use the resources for independent reading, literature search, examination preparation, reference work and subject enrichment.

Accessibility of Learning Resources

S. No.	Access Facility	Provision for Students
1	Central Library	Access to books, journals, project reports and other learning resources
2	Book Lending Facility	Books available for issue and independent study
3	Book Bank Facility	Available for deserving students
4	Digital Library	Dedicated facility for accessing digital learning resources
5	Computers	75 computers for digital learning and literature search
6	Internet	100 Mbps connectivity
7	E-resources	DELNET, K-Nimbus, MyCalPharma, Lexicomp and DigiGrandhaalaya
8	Question Banks	Sessional and University examination papers for self-assessment
9	Competitive Examination Resources	GPAT, UPSC, APPSC, NET, GRE and IBPS resources
10	Library Hour	One library hour per week incorporated into the timetable
11	Library timings	9.00AM-5.00PM

The library provides access to students for academic and self-learning purposes, while the Digital Library and internet-enabled facilities provide access to e- resources. The availability of 75 computers and 100 Mbps internet connectivity facilitates digital learning and literature searching.

Student access has also been strengthened based on identified needs using feeback observation. Additional books have been procured, a weekly library hour has been incorporated into the timetable, and digital resources have been progressively strengthened through DELNET, K-Nimbus and DigiGrandhaalaya. Drug and pharmaceutical information resources have also been upgraded through Lexidrug and MyCalPharma.

Continuous Improvement in Learning Resource Access

Student/Academic Need	Improvement Implemented
Requirement for additional learning resources	Additional books procured
Need for structured student access to library	One library hour incorporated into timetable
Need for wider digital literature access	DELNET and K-Nimbus
Need for enhanced digital library access	DigiGrandhaalaya introduced
Need for current drug information	LexiDrug introduced
Need for updated pharmaceutical information	MyCalPharma introduced
Need for Journal update	Pharmaintelligents, Magazine world

9.3.2 Internet (10)

Institute Marks : 10.00

Name of the Internet provider	Krishna teja Digital Cable Networks
Available band width	100 Mbps
WiFi availability	Yes
Internet access in labs, classrooms, library and offices of all Departments	Yes, available access in labs, classrooms, library and office
Security arrangements	Yes, available

Annexure I

(A) PROGRAM OUTCOME (POs)

ANNEXURE I: PROGRAM OUTCOMES

1. Pharmacy Knowledge: Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioral, social, and administrative pharmacy sciences; and manufacturing practices.

2. Planning Abilities: Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.

3. Problem analysis: Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.

4. Modern tool usage: Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.

5. Leadership skills: Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfillment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in health and well-being.

6. Professional Identity: Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).

7. Pharmaceutical Ethics: Honour personal values and apply ethical principles in professional and social contexts. Demonstrate behavior that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.

8. Communication: Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.

9. The Pharmacist and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice.

10. Environment and sustainability: Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

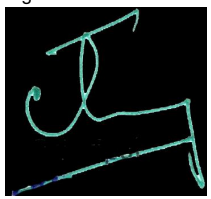
11. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self-assess and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.

Declaration

The head of the institution needs to make a declaration as per the format given -

- I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines inforce as on date and the institutes hall fully abide by them.
- It is submitted that information provided in this Self Assessment Report is factually correct.
- I understand and agree that an appropriate disciplinary action against the Institute willbe initiated by the NBA. In case, any false statement/information is observed during pre-visit, visit, postvisit and subsequent to grant of accreditation.

Head of the Institute
Name : Dr.V.JAYASANKAR REDDY
Designation : PRINCIPAL
Signature :



Seal of The Institution :

PRINCIPAL
KRISHNA TEJA PHARMACY COLLEGE
CHADALAWADA NAGAR
TIRUPATI

Place : TIRUPATI
Date : 13-09-2026 06:08:31