



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.

**Affiliated to the Tamilnadu Dr.M.G.R.Medical University,
and The Directorate of Medical Education, Chennai.**

NAAC PEER TEAM VISIT



CRITERION I **CURRICULAR ASPECTS**

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INTRODUCTION

SS Institute of Pharmacy offers four year full time B.Pharmacy program. It is recognized by PCI, New Delhi and Permanently Affiliated to The Tamilnadu Dr.MGR medical University. The curriculum designed by The Tamilnadu Dr.MGR medical University is adopted. The curriculum has wide choice of elective courses both from functional and sectoral perspectives. Keeping Vision and Mission in mind, under the guidance of Director, academic and non academic activities are planned in the beginning of the academic year. Academic calendar is prepared to accommodate all activities and schedules given by The Tamilnadu Dr.MGR medical University. Subject allocation is done based on the experience and subject expertise of the faculty.

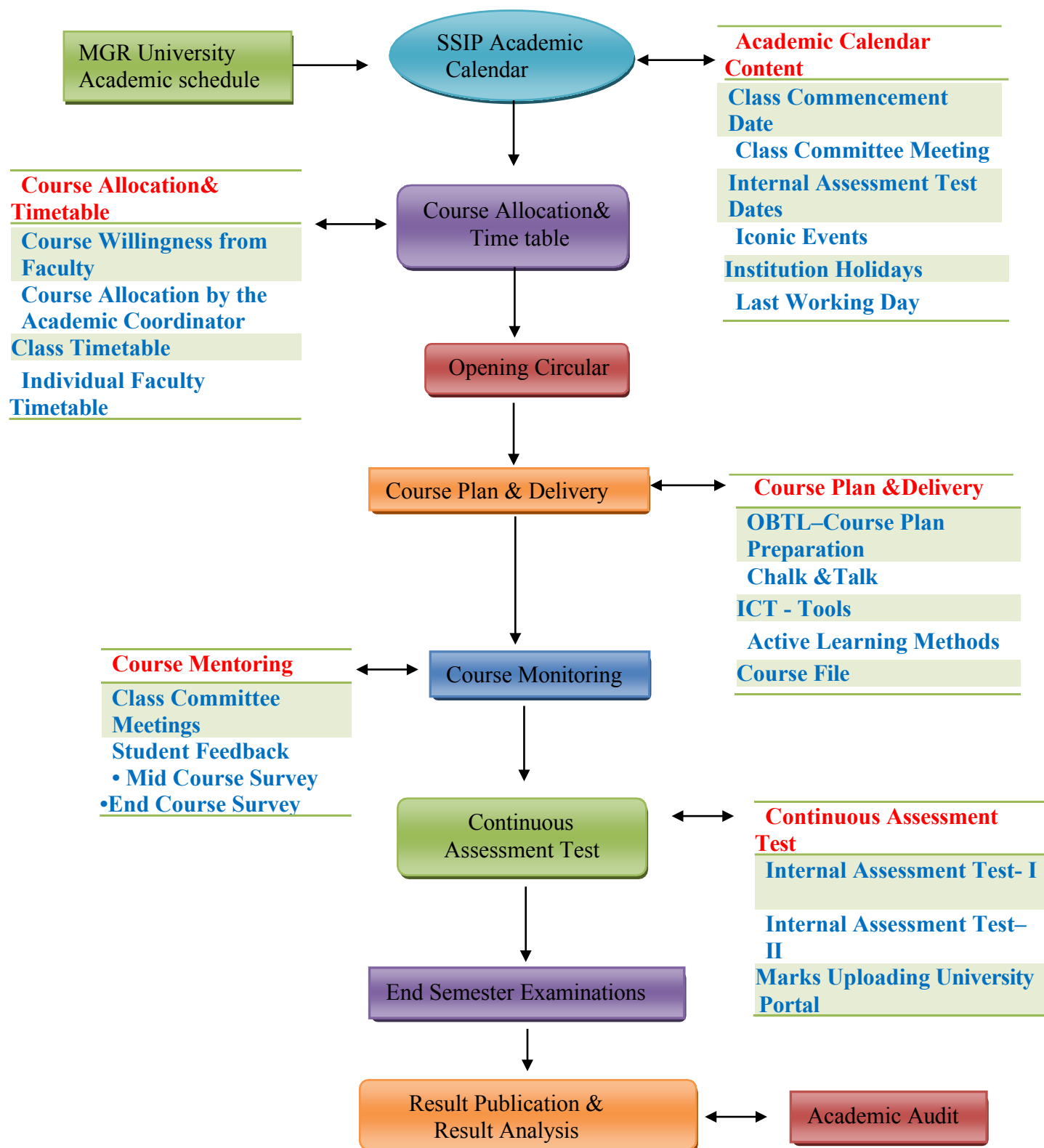
Outcome Based Teaching and Learning Guides (lesson plans) are prepared for every course prior to the beginning of respective semesters in and are approved by Subject Experts and the Director. The OBTL Guide contains the lesson plan, Teaching Methodology, Details of reference books, e-materials for case studies and course materials, Tasks to be performed and content beyond Syllabus. A meeting will be conducted in the beginning of every semester in which clear rules and regulations regarding conduct of classes will be instructed.

Induction Training will be conducted every year for the new faculty members on OBTL process and the academic culture of SSIP. All the faculty will prepare course material for the allotted courses based on the OBTL Guide including Lecture notes, power point presentations, previous year question papers, Case Studies, role play scenarios, Management Games and simulation exercises based the subject requirements. A Time Table is prepared according to the credits allotted for each subject. The faculty regularly participate in Faculty Development Programmes and Conferences to update their knowledge in their field. Experts are invited to give input on practical aspects of the curriculum.

The Tamilnadu Dr.MGR medical University has incorporated syllabus content in few courses to address some of the cross cutting issues relevant to ethics and human values in B.Pharmacy and academic experts from all departments in pharmacy are received to enrich the curriculum by introducing content beyond syllabus and value added courses in consultation with industry experts, which are highly demanded by the industry. Imparting life skill training enhances holistic personality development of the students.

1.1 CURRICULAR PLANNING AND IMPLEMENTATION

1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment



Curriculum Planning:

SSIP effectively deliver curriculum through:

1. Well framed Academic Calendar
2. Curriculum Planning
3. OBTL–Course Plan
4. Teaching Learning Process
5. Effective Course Delivery
6. Monitoring effectiveness of Course Delivery

1. Academic Calendar

The Academic Calendar for every year is prepared in advance which incorporates all the activities carried out in the year and ensures adequate time is allotted for delivering the courses given in the curriculum. It is prepared in accordance with MGR University Academic Schedule. It will be strictly followed to avoid any lapse and flexibility is made to provide timing for all the activities planned.

2. Curriculum Planning

SSIP follows the curriculum provided by MGR University for its two-year full-time Pharmacy program. The MGR university has regulations for the program, namely the 2014 regulations, which are appropriately followed. Additionally, value-added courses have been introduced to bridge the gap between the prescribed curriculum and the demands of the industry. The curriculum follows a Choice Based Credit System.

Semester	Credits Assigned	Total No. of Credits
I	Theory Courses (4X4=16) Practical Courses (4 X2 =8)	24
II	Theory Courses (4X4=16) Practical Courses (3X2=6)	22
III	Theory Courses (4X4=16) Practical Courses (4X2=8)	24
IV	Theory Courses (5X4=20) Practical Courses (4X2=8)	28
V	Theory Courses (5X4=20) Practical Courses (3X2=4)	26

VI	Theory Courses (6X4=24) Practical Courses (3X2=6)	30
VII	Theory Courses (4X4=16) Practical Courses (1X2=2)	18
VIII	Theory Courses (4X4=16) Project (6)	22
Total Credits for the Curriculum		194Credits

3. Academic Advisory and Planning & Monitoring Committee:

The Academic Advisory and Planning & Monitoring Committee discusses curriculum gaps, proposes solutions like Value Added Courses, Expert Meet and Empirical Micro Learning etc, and approve them. The Internal Quality Assurance Cell (IQAC) prepares the action plan and provides guidelines for implementation.

- **Design of Course Plan:**

Every faculty member is responsible for creating a comprehensive course that is designed in accordance with the credits specified for the course and the guidance of senior faculty. Moreover, the course plan must include recommended text books, reference books, web resources, ICT tools and content beyond the syllabus.

- **Preparation of Course file:**

Faculty members prepare course files that contain academic schedules, timetables, course plans, materials and previous year question papers. Course Outcomes (COs) are validated by mapping them against Programme Outcomes (POs) after each Continuous Internal Assessment Test (IAT). For slow learners, corrective actions such as counseling, supplementary classes, and retests are conducted to help them achieve the COs.

4. Teaching-Learning Process

The institution ensures a student-centered teaching and learning process by using the Revised Bloom's Taxonomy (RBT). Tutorials, guest lectures, NPTEL recordings, conferences, workshops, and industrial visits are all parts of the day-to-day teaching phase. To share their lesson plans, question banks, and other resources with students, faculty members use Google Classroom. The curriculum delivery is

Further enhanced with ICT-enabled classrooms and laboratories

5. Effective course delivery

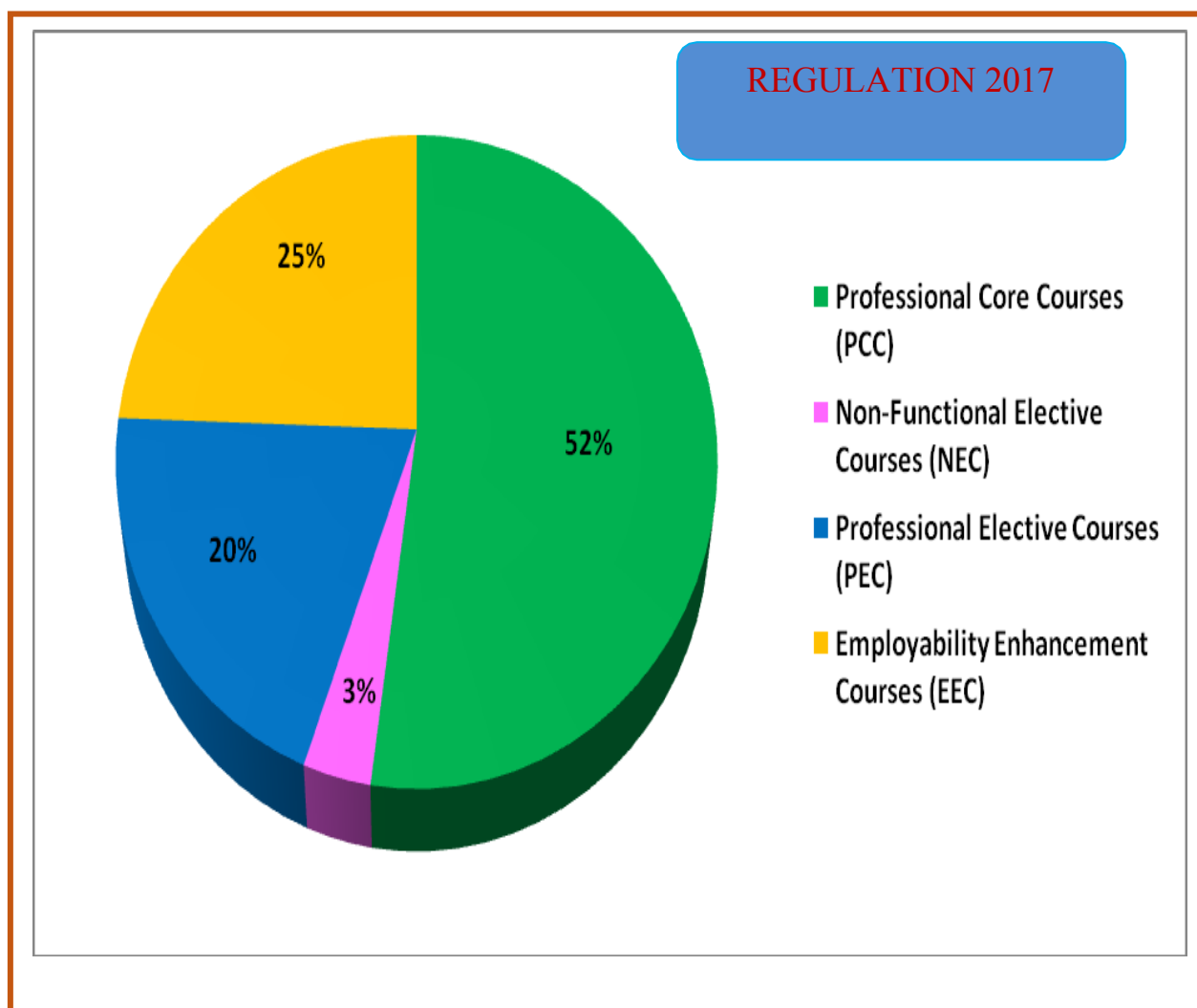
SSIP uses Bloom's Taxonomy, which is based on six levels of Cognitive Learning Dimensions (CLD): Remember, Understand, Apply, Analyze, Evaluate and Create. This approach helps to deliver effective course content while distinguishing between high and low-order thinking. SSIP employs various instructional approaches and pedagogical programs such as seminars, tutorials, laboratory classes, project work and continuous internal assessments for theory subjects. SSIP uses stimulating questions, mind map techniques, quizzes and objective type questions to promote student-centric learning and individual learning.

6. Monitoring the course delivery

The Director monitors the course delivery regularly. To assess the course delivery and syllabus completion, formal feedback is received from the students. Class committee meetings are arranged where student representatives can express their academic and administrative difficulties.

Choice Based Credit System (CBCS):

- Regulation: 2014





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INSTITUTION ACADEMIC CALENDAR 2023-2024

DAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
SUN					01			01 New year			03	
MON					02 Gandhi jayanthi						03	
TUE			01		03			02			02	
WED			02		04	01 Commencement of Value added course		03			03	01 May day
THU	01		03		05	02		04	01		04	02
FRI	02		04	01	06	03	01	05	02 SOFT SKILL PROGRAM	01	05	03
SAT	03 SOFT SKILL PROGRAM	01 Seminar/ webinar/ workshops	05	02	07	04	02	06	03	02	06	04
SUN	04	02	06	03	08	05	03	07	04	03	07	05
MON	05	03	07	04	09	06	04	08	05 Career guidance program	04	08	06
TUE	06	04 SOFT SKILL PROGRAM	08	05	10	07	05	09	06	05	09	07
WED	07	05	09	06 Gokulastami	11 Career guidance program	08 Value added course ends	06	10	07	06	10 Ramzan	08
THU	08	06	10	07	12	09	07	11	08	07	11	09
FRI	09 Seminar/ webinar/ workshops	07	11	08	13	10 SOFT SKILL PROGRAM	08	12	09	08 WOMENS DAY	12 Commencement of Value added course	10
SAT	10	08	12	09	14	11 Diwali celebration	09	13 Pongal holidays	10	09	13	11
SUN	11	09	13	10	15	12 Diwali	10	14	11	10	14	12
MON	12	10	14	11	16	13	11	15	12	11	15	13
TUE	13	11	15 Independence Day	12	17	14	12	16	13	12	16	14
WED	14	12 Commencement of Value added course	16	13	18	15	13	17	14	13	17	15
THU	15	13	17	14	19	16	14	18	15	14 SOFT SKILL PROGRAM	18	16

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DAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
FRI	16	14 NSS Activity	18	15	20	17	15 NSS Activity	19	16	15	19 Value added course ENDS	17
SAT	17	15	19	16	21 Seminar/webinar/workshops	18	16	20	17	16 ANNUAL DAY	20	18
SUN	18	16	20	17	22	19	17	21	18	17	21	19
MON	19	17	21	18 Ganesha chaturthi	23 Pooja holiday	20	18	22	19	18	22	20
TUE	20	18	22	19 University exams ends	24 Vijayadashami	21 SESSIONAL EXAMS ENDS	19	23	20 SESSIONAL EXAMS STARTS	19	23	21
WED	21	19	23	20 I-b-pharm inauguration	25	22	20	24 University exams ends	21	20	24	22
THU	22	20	24	21	26 SESSIONAL EXAMS STARTS	23	21	25	22	21	25	23
FRI	23	21	25 NSS Activity	22	27	24	22	26 Republic day	23	22	26	24
SAT	24	22	26	23	28	25	23	27	24	23 WEC PROGRAM	27	25
SUN	25	23	27	24	29	26	24	28	25	24	28	26
MON	26	24	28 University exams starts	25	30	27	25 Christmas	29	26 SESSIONAL EXAMS ENDS	25	29	27 University exams starts
TUE	27	25 Value added course ends	29	26	31 SESSIONAL EXAMS ENDS	28	26 University exams starts	30	27	26	30	28
WED	28	26	30	27		29	27	31	28	27		29
THU	29 Rakrit	27 SOFT SKILL PROGRAM	31	28 Milad un-Nabi		30	28		29	28		30
FRI	30	28		29			29			29 Good Friday		31 Seminar/webinar/workshops
SAT		29 Muharram		30 Seminar/webinar/workshops			30			30 Seminar/webinar/workshops		
SUN		30					31			31		
MON		31										
TUE												

Academic Co-ordinator

Principal

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REF NO:SSIP/AC/2023/014

Date: 11.08.2023

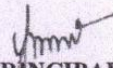
CIRCULAR

All the B.Pharmacy students are hereby informed that the classes of forthcoming semester (II, III, V, VIII SEM) are going to start from 14th September 2023.

It is also informed to all the students that you had to fulfill the minimum attendance criteria (75%) as per university norms in each subject in each semester.

In this regard, you are required to attend the classes from 14th September 2023 on regular basis to maintain the minimum attendance criteria as per university norms, failing which you may be debarred from departmental/College activities, Sessional examinations & End semester examinations.

Thanking you


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SALEM - 637301.

Copy to

1. Chairman
2. IQAC Co Ordinator
3. Administrative Officer
4. Boys hostel warden
5. Girls hostel warden
6. Notice Board

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Institution's Academic Calendar



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REF NO:SSIP/AC/2023/018

Date: 14.08.2023

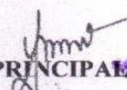
CIRCULAR

Greetings from SS Institute of Pharmacy

Congratulations for choosing our Institution for pursuing B.Pharmacy Program. The Management, Principal, Faculty and our students welcome you to experience the change and the joy of learning in our SSIP campus endowed with state of art facilities.

We are pleased to inform you that the classes for the I B.Pharmacy, for the academic year 2023-2024 commences on September 20, 2023

Thanking you


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Copy to

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Reopening Circular

Reopening Circular



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REF NO:SSIP/AC/2024

Date: 03.06.2024

CIRCULAR

All the B.Pharmacy students are hereby informed that the classes of forthcoming semester (II, IV, V, VII SEM) are going to start from 14th June 2024.

It is also informed to all the students that you had to fulfill the minimum attendance criteria (75%) as per university norms in each subject in each semester.

In this regard, you are required to attend the classes from 14th June 2024 on regular basis to maintain the minimum attendance criteria as per university norms, failing which you may be debarred from departmental/College activities, Sessional examinations & End semester examinations.

Thanking you


ACADEMIC CO ORDINATOR

Copy to

1. Principal
2. IQAC Co Ordinator
3. Boys hostel warden
4. Girls hostel warden
5. All Staffs
6. Notice Board




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Faculty Course Willingness

CRITERION1: CURRICULAR ASPECT



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Course Willingness Form

SL NO	Name of the faculty	Designation	Mail ID	Date	Subject
1	Dr. C. Jothianarayanan	Professor & Principal	svcpjotai@gmail.com	12.08.2023	BP501T- Medicinal Chemistry-II BP202T-Pharmaceutical Organic Chemistry- I BP401T-Pharmaceutical Organic Chemistry- III
2	Mr D.Sathyanarthy	Professor	sathyanarthydura@gmail.com	12.08.2023	BP503T- Pharmacology-II BP805ET- Pharmacovigilance BP810ET- Experimental Pharmacology
3	Mrs. S.Sharvaneshwari	Associate Professor	sharvanessip@gmail.com	12.08.2023	BP809ET- Cosmetic Science BP306T-Physical Pharmaceutics-I BP505T-Pharmaceutical Jurisprudence
4	Mr.A.Angeshwarani	Associate Professor	angeshwarani@gmail.com	12.08.2023	BP504T-Pharmacognosy-II BP803ET-Pharmaceutical Marketing Management BP806ET-Quality Control & Standardization of Herbs

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5	Mrs.K.Sowadarya	Assistant Professor	sowaderyl7203@gmail.com	12.08.2023	BP502T-Industrial Pharmacy-I BP809ET-Cosmetic Science BP306P-Physical Pharmaceutics-I
6	Mrs.C.Kalatselvi	Associate Professor	gowikakp@gmail.com	12.08.2023	BP304T-Pharmaceutical Engineering BP807ET-Computer Aided Drug Design BP303T-Pharmaceutical Microbiology
7	Mrs.B.Anitha	Associate Professor	anithabojanapharma@gmail.com	12.08.2023	Biochemistry-BP303T BP202T-Pharmaceutical Organic Chemistry- I BP401T-Pharmaceutical Organic Chemistry- III
8	Mr M. Sangameshwara	Assistant Professor	mahesh.warna85@gmail.com	12.08.2023	BP202T-Pharmaceutical Organic Chemistry- I BP401T-Pharmaceutical Organic Chemistry- III
9	Mr. T Sampath Kumar	Assistant Professor	sampath21app@gmail.com	12.08.2023	BP504P- Pharmacognosy-II BP803ET-Pharmaceutical

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					Marketing Management BP806ET-Quality Control & Standardization of Herbs
10	Mrs. M.Vanitha	Associate Professor	vanitha8993@gmail.com	12.08.2023	BP207P-Human Anatomy & Physiology II BP808ET-Cell & Molecular Biology BP210P-Computer Application
11	Mrs. J.Priyadharshini	Assistant Professor	priya2suoker@gmail.com	12.08.2023	BP207P-Human Anatomy & Physiology II BP808ET -Cell & Molecular Biology BP503T-Pharmacology-II
12	Mrs. P.Nanditha	Assistant Professor	nanditha17@gmail.com	12.08.2023	BP206T- Environmental Science BP304P-Pharmaceutical Engineering BP505T-Pharmaceutical Jurisprudence
13	Mr. S. Pravin Kumar	Assistant Professor	spravinpharma@gmail.com	12.08.2023	BP207T-Pharmaceutical Organic Chemistry- I BP401T-Pharmaceutical Organic Chemistry- III BP812ET-Dietary Supplement &

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					Nutraceuticals
14	Mr. M. Praveen Kumar	Assistant Professor	praveensomy55@gmail.com	12.08.2023	BP503T-Pharmacology-II BP207T -Human Anatomy & Physiology II BP801T -Biostatistics and Research Methodology
15	Mrs. J.Vinodharshini	Assistant Professor	vinodharkm97@gmail.com	12.08.2023	BP808ET-Cell & Molecular Biology BP503P-Pharmacology-II BP207T-Human Anatomy & Physiology II BP801T-Biostatistics and Research Methodology
16	Mrs. V. Deepabharathi	Assistant Professor	deepabharathi04@gmail.com	12.08.2023	BP802T-Social & Preventive Pharmacy BP204T-Pathophysiology
17	Mrs. M. Gomathi	Associate Professor	gomathidurga24@gmail.com	12.08.2023	BP502T-Industrial Pharmacy-I BP809ET-Cosmetic Science BP306P-Physical Pharmaceutics-I

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Faculty Course Willingness


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SUBJECT ALLOCATION FOR ACADEMIC YEAR 2023-24						
S.NO	Name of the faculty	Subject	Course	SEM/Year	Theory	Practical
1	Dr.C.Jothamurugan	Medicinal Chemistry-II	BPHARM	V	3	0
2	Mr.D.Sathyanarayanan	Pharmacology-I	BPHARM	V	3	4
3	Mrs.S.Bhuvanendran	Cosmetic Science	BPHARM	VIII	6	0
4	Mr.A.Alagaswari	Pharmacognosy-II	BPHARM	V	3	4
		Pharmaceutical Marketing Management	BPHARM	VIII	6	0
5	Mrs.K.Sowndarya	Physical Pharmaceutics-I	BPHARM	III	4	3
		Computer Aided Drug Design	BPHARM	II	6	0
6	Mrs.C.Kala Selvi	Pharmaceutical Jurisprudence	BPHARM	V	3	0
		Pharmaceutical Microbiology	BPHARM	III	3	4
7	Mrs.B.Anitha	Pharmaceutical Organic Chemistry-I	BPHARM	II	3	4
8	Mr.M.Sanganadevaran	Pharmaceutical Organic Chemistry-II	BPHARM	III	3	0
9	Mr.T.Sampathkumar	Quality Control & Standardization of Herbs	BPHARM	VIII	6	0
10	Mrs.M.Vanitha	Pharmacovigilance	BPHARM	VIII	6	0
		Computer Application	BPHARM	II	6	2

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11	Mrs.J.Priyadarshini	Experimental Pharmacology	BPHARM	VIII	6	0
		Pathophysiology	BPHARM	II	3	0
12	Mrs.P.Nanditha	Pharmaceutical Engineering	BPHARM	III	3	4
		Environmental Science	BPHARM	II	3	0
13	Mr.S.Prasanna Kumar	Biochemistry	BPHARM	II	3	4
		Dietary Supplement & Nutraceuticals	BPHARM	VIII	6	0
14	Mr.M.Praveen Kumar	Human Anatomy & Physiology II	BPHARM	II	3	4
		Biostatistics and Research Methodology	BPHARM	VIII	3	0
15	Mrs.L.Vinodharshini	Cell & Molecular Biology	BPHARM	VIII	6	0
16	Mrs.V.Deepaharshi	Social & Preventive Pharmacy	BPHARM	VIII	3	0
17	Mrs.M.Gomathi	Industrial Pharmacy-I	BPHARM	V	3	4



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SUBJECT ALLOCATION



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TIME TABLE

I-B PHARM – II SEM

DAY	9.40 -1.00 AM	1.00 -2.00 PM	2.00 -3.00 P.M	3.00 - 4.00 P.M	4.00 -5.00 P.M
MON	HAP-II(A-Batch) Library(B- Batch)	LUNCH BREAK	Biochem	Computer	Patho
TUE	Biochem(A-Batch) Computer(B-Batch)		POC-I	Biochem	EVS
WED	POC-I(A-Batch) Library(B- Batch)		Patho	EVS	POC-I
THU	Library(A- Batch) Biochem(B- Batch)		HAP-II	POC-I	Biochem
FRI	Computer(A-Batch) HAP-II(B-Batch)		Computer	Patho	HAP-II
SAT	Library(A- Batch) POC-I(B-Batch)		EVS	HAP-II	Computer

HAP-II : Mr.M.Praveenkumar
POC -I : Mrs.B.Anitha
Computer App : Mrs.M.Vanitha

Biochemistry : Mr.S.Pravinkumar
Pathophysiology: Mrs.J.Priyadharshani
EVS : Mrs.P.Nandhitha

Class Incharge : Mrs.C.Kalaiselvi



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Time table

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

Course Syllabus



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DEPARTMENT OF PHARMACY

OUTCOME BASED TEACHING AND LEARNING (OBTL)

VISION:

To be a leading center of excellence in pharmaceutical sciences, recognized for its innovative research, cutting-edge education, and significant contributions to the development and delivery of safe and effective medicines

MISSION:

- To advance the science and technology of drug formulation and delivery through research and innovation.
- To educate and train future pharmaceutical scientists and professionals who are knowledgeable, skilled, and committed to improving human health.
- To collaborate with industry and other stakeholders to translate research findings into practical solutions for the development and delivery of safe and effective medicines.



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1. COURSE DETAILS:

COURSE WITH CODE	BP603 HERBAL DRUG TECHNOLOGY–THEORY
PROGRAMME	B.PHARMACY
COURSE CREDIT	4
COURSE COORDINATOR	Mr.A.Alageshwaran (Associate Professor)
COURSE FACILITATOR	Mr.T.Sampathkumar (Associate Professor)
COURSE PREREQUISITES	Basic Knowledge on Herbal Drug Industry, understanding of Raw materials, GMP, Herbal drugs and herbal cosmetics
COURSE TYPE	Core course
COURSE DESCRIPTION	This subject gives the student the knowledge of basic understanding of herbal drug industry, the quality of raw material, guidelines for quality of herbal drugs, herbal cosmetics, natural sweeteners, nutraceutical etc. The subject also emphasizes on Good Manufacturing Practices (GMP), patenting and regulatory issues of herbal drugs
COURSE OBJECTIVES	Upon completion of this course the student should be able to: 1. understand raw material as source of herbal drugs from cultivation to herbal drug product 2. know the WHO and ICH guidelines for evaluation of herbal drugs 3. know the herbal cosmetics, natural sweeteners, nutraceuticals 4. appreciate patenting of herbal drugs, GMP.
CAREER OPPORTUNITIES	The graduates will find the opportunities to see their career development in Drug design and discovery and research and development.
TEACHING AND LEARNING METHODOLOGY	Class room lecture, PPTs, Videos, MCQs, Crossword Puzzles, Flash Cards

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2. OUTCOMES AND MAPPING

PROGRAM EDUCATIONAL OBJECTIVES

PEO-1: Pharmacy Graduates will be competent professional pharmacist who will utilize and practice professional principles of pharmacy in self-practice, hospitals, government and non-government organizations, academics, research institutions and co-operate sector.

PEO-2: Graduates will integrate knowledge of basic sciences and pharmaceuticals in order to modify treatment approaches that reflect the breadth and scope of pharmacy practice and demonstrate clinical competency in evaluation, treatment planning and implementation.

PEO-3: Graduates will have leadership skills with high level of integrity for team building and also have ability to function professionally with ethical responsibility as an individual as well as in multidisciplinary team with positive attitude.

PEO-4: CU Pharmacy Graduates will sustain continual professional development through lifelong learning activities and work for development of field that includes creation, absorption and adoption of new knowledge and tools.

PEO-5: CU Pharmacy Graduates will have knowledge to support the pharmaceutical industries, in their economic development, legal and regulatory prospective of drug approvals at national international level and will be able to address social and economic challenges of the nation.

PO'S FOR B.PHARMACY PROGRAM

PO 01	Pharmacy Knowledge: Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioural, social, and
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	administrative pharmacy sciences; and manufacturing practices.
PO 02	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.
PO 03	Problem analysis: Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyse, evaluate and apply information systematically and shall make defensible decisions.
PO 04	Modern tool usage: Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.
PO 05	Leadership skills: Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfilment 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.
PO 06	Professional Identity: Understand, analyse and communicate the value of their Professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).
PO 07	Pharmaceutical Ethics: Honour personal values and apply ethical principles in Professional and social contexts. Demonstrate behaviour that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take

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	responsibility for the outcomes associated with the decisions.
PO 08	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.
PO 09	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.
PO 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.
PO 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.

PROGRAM SPECIFIC OUTCOMES (PSO'S)

PSO-1: CU Pharmacy Graduates will have fundamental knowledge in preparing conventional as well as novel pharmaceutical dosage forms, their methods of dispensing and recent advancements made in the field of Pharmaceutical Product Development.

PSO-2: The Graduates will develop an ability to design, conduct, and interpret various analytical studies/reports being used by pharmaceutical industries during drug design, formulation design, and

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production etc.

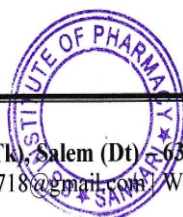
PSO-3: CU Pharmacy Graduates will have an understanding about different laws that govern different aspects of pharmacy that builds up their fundamental knowledge about the ethics associated with the profession of pharmacy.

PSO-4: CU Pharmacy Graduates will have an understanding about different laws that govern different aspects of pharmacy that builds up their fundamental knowledge about the ethics associated with the profession of pharmacy.

PO, PSO AND CO MAPPING

C 328 - Herbal Drug Technology–Theory											
Course Outcomes	PO 01	PO 02	PO 03	PO 04	PO 05	PO 06	PO 07	PO 08	PO 09	PO 10	PO 11
C 328.1	2	1	1	-	-	1	-	-	1	1	2
C 328.2	3	3	3	1	-	-	1	-	1	2	3
C 328.3	3	3	2	2	1	-	-	1	1	2	3
C 328.4	2	2	2	-	1	2	3	2	2	2	3
C 328.5	2	3	3	2	2	2	3	2	2	2	3

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3. BOOKS AND REFERENCES:

1. Textbook of Pharmacognosy by Trease & Evans.
2. Textbook of Pharmacognosy by Tyler, Brady & Robber.
3. Pharmacognosy by Kokate, Purohit and Gokhale
4. Essential of Pharmacognosy by Dr. S.H. Ansari
5. Pharmacognosy & Phytochemistry by V.D. Rangari
6. Pharmacopoeial standards for Ayurvedic Formulation (Council of Research in Indian Medicine & Homeopathy)
7. Mukherjee, P.W. Quality Control of Herbal Drugs: An Approach to Evaluation of Botanicals. Business Horizons Publishers, New Delhi, India, 2002.

Web Resources

https://drive.google.com/folderview?id=1fy5ZfnyG-j_a6kExDsC8E8F7XGfE1QGZ	All pharmacy books
https://www.ahrq.gov/health-literacy/improve/pharmacy/index.html	All Units

MAGAZINES AND JOURNALS FOR REFERENCE

NAME OF JOURNALS	NAME OF MAGAZINES
Indian Journal of Pharmaceutical Sciences	Pharmacy Times
The Indian Journal of Pharmacy	Pharmacist's Letter
Current trend in pharmacy	The Pharmaceutical Journal
Journal of Pharmaceutical and biological Sciences	World Pharmaceutics
Drug Development and Industrial Pharmacy	Journal of Pharmacy Practice

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4. BLOOMS TAXONOMY (BT) AND LESSON PLAN

Learning /Course outcome	Learning outcome	Topic	No of hours	Reference
UNIT -I				
LO1/CO1	To Understand the knowledge about Herbs as raw materials	Herbs as raw materials Definition of herb, herbal medicine, herbal medicinal product, herbal drug preparation Source of Herbs Selection, identification and authentication of herbal materials Processing of herbal raw material	4	T1
LO2/CO1	To Understand the concept of Biodynamic Agriculture	Biodynamic Agriculture Good agricultural practices in cultivation of medicinal plants including Organic farming. Pest and Pest management in medicinal plants: Biopesticides/Bioinsecticides.	3	T1
LO3/CO1	To Understand the Indian Systems of Medicine And its preparation	Indian Systems of Medicine a) Basic principles involved in Ayurveda, Siddha, Unani and Homeopathy b) Preparation and standardization of Ayurvedic formulations viz Aristas and Asawas, Ghutika, Churna, Lehya and Bhasma.	4	T1
UNIT II				
LO4/CO2	To Understand the detail of Nutraceuticals	Nutraceuticals General aspects, Market, growth, scope and types of products available in the market. Health benefits and role of Nutraceuticals in ailments like Diabetes, CVS diseases, Cancer, Irritable bowel syndrome and various Gastro intestinal	4	T2,R2

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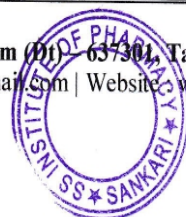
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		diseases. Study of following herbs as health food: Alfaalfa, Chicory, Ginger, Fenugreek, Garlic, Honey, Amla, Ginseng, Ashwagandha, Spirulina		
LO5/CO2	To Understand the Herbal- Drug and Herb-Food Interactions	Herbal-Drug and Herb-Food Interactions: General introduction to interaction and classification. Study of following drugs and their possible side effects and interactions: Hypericum, kava-kava, Ginkobiloba, Ginseng, Garlic, Pepper & Ephedra.	3	T2,R2
UNIT III				
LO8/CO3	To Understand in detail about Herbal Cosmetics	Herbal Cosmetics Sources and description of raw materials of herbal origin used via, fixed oils, waxes, gums colours, perfumes, protective agents, bleaching agents, antioxidants in products such as skin care, hair care and oral hygiene products.	4	T1,R1
LO9/CO3	To Understand in detail about Herbal excipients	Herbal excipients: Herbal Excipients – Significance of substances of natural origin as excipients – colorants, sweeteners, binders, diluents, viscosity builders, disintegrants, flavors & perfumes.	3	T1,R1
LO10/CO3	To Understand in detail about Herbal formulations	Herbal formulations : Conventional herbal formulations like syrups, mixtures and tablets and Novel dosage forms like phytosomes	3	T1,R1
UNIT IV				
LO11/CO4	To Understand the Evaluation of Drugs and	Evaluation of Drugs WHO & ICH guidelines for the assessment of herbal drugs Stability testing of herbal drugs.	3	T1,R3

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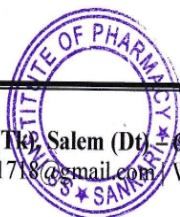
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	guidelines			
LO12/CO4	To Understand the Patenting and Regulatory requirements of natural products	Patenting and Regulatory requirements of natural products: a) Definition of the terms: Patent, IPR, Farmers right, Breeder's right, Bioprospecting and Biopiracy) Patenting aspects of Traditional Knowledge and Natural Products. Case study of Curcuma & Neem.	4	T1,R3
LO13/CO4	To Understand the Regulatory Issues	Regulatory Issues - Regulations in India (ASU DTAB, ASU DCC), Regulation of manufacture of ASU drugs - Schedule Z of Drugs & Cosmetics Act for ASU drugs.	3	T1,R1
UNIT V				
LO14/CO5	To Understand the General Introduction to Herbal Industry	General Introduction to Herbal Industry Herbal drugs industry: Present scope and future prospects. A brief account of plant based industries and institutions involved in work on medicinal and aromatic plants in India.	3	T1,R1
LO15/CO5	To know the Schedule T – Good Manufacturing Practice of Indian systems of medicine and GMP	Schedule T – Good Manufacturing Practice of Indian systems of medicine Components of GMP (Schedule – T) and its objectives Infrastructural requirements, working space, storage area, machinery and equipments, standard operating procedures, health and hygiene, documentation and records.	4	T1,R1

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ASSESSMENT METHODOLOGIES

Internal Assessment: Continuous Mode

The marks allocated for Continuous mode of Internal Assessment shall be awarded as per the scheme given below.

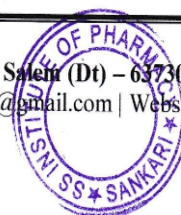
Table-XI: Scheme for awarding internal assessment: Continuous mode

Criteria	Maximum Marks (Theory)	Maximum Marks (Practical)
Attendance (Refer Table – XII)	4	2
Academic activities (Average of any 3 activities e.g. quiz, assignment, open book test, field work, group discussion and seminar)	3	1.5
Student – Teacher interaction	3	1.5
Total	10	5

Practical

Criteria	Maximum Marks
Attendance (Refer Table – XII)	2
Based on Practical Records, Regular viva voce, etc.	3
Total	5

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Table-XII: Guidelines for the allotment of marks for attendance

Percentage of Attendance	Theory	Practical
95 – 100	4	2
90 – 94	3	1.5
85 – 89	2	1
80 – 84	1	0.5
Less than 80	0	0

Question paper pattern for theory Sessional examinations

For subjects having University examination

I. Multiple Choice Questions (MCQs) = 10 x 1 = 10

OR

OR

Objective Type Questions (5 x 2) = 05 x 2 = 10

(Answer all the questions)

I. Long Answers (Answer 1 out of 2) = 1 x 10 = 10

II. Short Answers (Answer 2 out of 3) = 2 x 5 = 10

Total = 30 marks



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For subjects having Non University Examination

I. Long Answers (Answer 1 out of 2)	=	1 x 10 = 10
II. Short Answers (Answer 4 out of 6)	=	4 x 5 = 20

Total	=	30 marks

Question paper pattern for practical sessional examinations

I. Synopsis	=	10
II. Experiments	=	25
III. Viva voce	=	05

Total	=	40 marks

Prepared by (Course facilitator)	Verified by	Approved by
Mr.T.Sampathkumar (Associate Professor)	Mr.A.Alageshwaran (Associate Professor)	Dr.C.Jothimanivannan Professor & Principal

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B.PHARMACY PROGRAM

Name of the Teacher/Designation: Mr.T.SAMPATHKUMAR/ASSISTANT PROFESSOR

Course Code/Title: - 562063/HERBAL DRUG TECHNOLOGY - (THEORY)

BATCH: 2023-2027

Course Component:Core

Course Outcomes	CO1	CO2	CO3	CO4	CO5
CO-Direct Assessment- Internal (80%)	75.6363636	74.182	33.455	46.545	69.818
CO-Indirect Assessment- Internal(20%)	20.00	20.00	20.00	20.00	20.00
CO-Internal Assessment (60%)	57.3818182	56.509	32.073	39.927	53.891
CO-External Assessment(40%)	35.64	35.64	35.64	35.64	35.64
Total- Internal(60%) +External (40%)	77.38	92.15	67.71	75.57	89.53
Attainment Level	2	3	1	2	3

Attainment Level	Target Achieved
3	80
2	70
1	60
Others	0

CO-PO Mapping

CO \ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C328.1	3	1	1	1	1	1	1	2	3	2	3
C328.2	3	2	3	2	1	1	1	2	2	2	3
C328.3	3	3	3	2	1	1	2	2	3	2	3
C328.4	3	1	2	3	2	1	1	2	3	2	3
C328.5	3	3	3	3	1	2	1	1	3	1	3

CO-PO Attainment

CO \ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C328.1	2.00	0.67	0.67	0.67	0.67	0.67	0.67	1.33	2.00	1.33	2.00
C328.2	3.00	2.00	3.00	2.00	1.00	1.00	1.00	2.00	2.00	2.00	3.00
C328.3	1.00	1.00	1.00	0.67	0.33	0.33	0.67	0.67	1.00	0.67	1.00
C328.4	2.00	0.67	1.33	2.00	1.33	0.67	0.67	1.33	2.00	1.33	2.00
C328.5	3.00	3.00	3.00	3.00	1.00	2.00	1.00	1.00	3.00	1.00	3.00
C328	2.20	1.47	1.80	1.67	0.87	0.93	0.80	1.27	2.00	1.27	2.20

OBTL – Course Plan

CRITERION1: CURRICULAR ASPECT

Tables-X: Schemes for internal assessments and end semester examinations semester wise

Semester I

Course code	Name of the course	Internal Assessment			End Semester Exams			Total Marks
		Continuous Mode	Sessional Exams	Total	Marks	Duration	Total	
BP101T	Human Anatomy and Physiology I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP102T	Pharmaceutical Analysis I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP103T	Pharmaceutical Inorganic Chemistry – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP104T	Pharmaceutical Organic Chemistry – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP105T	Communication skills – Theory *	5	10	1 Hr	15	35	1.5 Hrs	50
BP106BT	Remedial Biology/ Mathematics – Theory*	5	10	1 Hr	15	35	1.5 Hrs	50
BP107P	Human Anatomy and Physiology – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP108P	Pharmaceutical Analysis I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP109P	Pharmaceutical Inorganic Chemistry – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP110P	Pharmaceutical Organic Chemistry – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP111P	Communication skills – Practical*	5	5	2 Hrs	10	15	2 Hrs	25
BP112RP	Remedial Biology – Practical*	5	5	2 Hrs	10	15	2 Hrs	25
Total		70/75/90*	115/125/130*	23/24/25*	185/200/210*	490/525/540*	31.5/33/35*	675/725/750*

*Applicable ONLY for the students studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology (RBI) course.
 *Applicable ONLY for the students studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics (RM) course.
 * Non University Examination (NUE)



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Semester II

Course code	Name of the course	Internal Assessment			End Semester Exams			Total Marks
		Continuous Mode	Sessional Exams	Total	Marks	Duration	Total	
BP201T	Human Anatomy and Physiology II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP202T	Pharmaceutical Organic Chemistry I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP203T	Biochemistry – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP204T	Pathophysiology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP205T	Computer Applications in Pharmacy – Theory*	10	15	1 Hr	25	50	2 Hrs	75
BP206T	Environmental sciences – Theory*	10	15	1 Hr	25	50	2 Hrs	75
BP207P	Human Anatomy and Physiology II – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP208P	Pharmaceutical Organic Chemistry I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP209P	Biochemistry – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP210P	Computer Applications in Pharmacy – Practical*	5	5	2 Hrs	10	15	2 Hrs	25
Total		80	125	20 Hrs	205	520	30 Hrs	725

* The subject experts at college level shall conduct examinations



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Semester III

Course code	Name of the course	Internal Assessment			End Semester Exams			Total Marks
		Continuous Mode	Sessional Exams	Total	Marks	Duration	Total	
BP301T	Pharmaceutical Organic Chemistry II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP302T	Physical/Pharmaceutical – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP303T	Pharmaceutical Microbiology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP304T	Pharmaceutical Engineering – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP305P	Pharmaceutical Organic Chemistry II – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP306P	Physical Pharmaceutics I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP307P	Pharmaceutical Microbiology – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP308P	Pharmaceutical Engineering – Practical	5	10	4 Hrs	15	35	4 Hrs	50
Total		60	100	20	160	440	28 Hrs	600



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Semester IV

Course code	Name of the course	Internal Assessment			End Semester Exams			Total Marks
		Continuous Mode	Sessional Exams	Total	Marks	Duration	Total	
BP401T	Pharmaceutical Organic Chemistry III – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP402T	Medicinal Chemistry I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP403T	Physical Pharmaceutics II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP404T	Pharmacology I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP405T	Pharmacognosy I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP406P	Medicinal Chemistry I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP407P	Physical Pharmaceutics II – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP408P	Pharmacology I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP409P	Pharmacognosy I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
Total		70	115	21 Hrs	185	515	31 Hrs	700



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CURRICULUM PLANNER

CRITERION1: CURRICULAR ASPECT

Semester V

Course code	Name of the course	Internal Assessment			End Semester Exams			Total Marks
		Continuous Mode	Sessional Exams Marks	Duration	Total	Marks	Duration	
BP501T	Medicinal Chemistry II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP502T	Industrial Pharmacy – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP503T	Pharmacology II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP504T	Pharmacognosy II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP505T	Pharmaceutical Jurisprudence – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP506P	Industrial Pharmacy – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP507P	Pharmacology II – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP508P	Pharmacognosy II – Practical	5	10	4 Hrs	15	35	4 Hrs	50
Total		65	105	17 Hr	170	480	27 Hrs	650



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Semester VI

Course code	Name of the course	Internal Assessment			End Semester Exams			Total Marks
		Continuous Mode	Sessional Exams Marks	Duration	Total	Marks	Duration	
BP601T	Medicinal Chemistry III – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP602T	Pharmacology III – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP603T	Herbal Drug Technology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP604T	Biopharmaceutics and Pharmacokinetics – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP605T	Pharmaceutical Biotechnology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP606T	Quality Assurance – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP607P	Medicinal chemistry III – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP608P	Pharmacology III – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP609P	Herbal Drug Technology – Practical	5	10	4 Hrs	15	35	4 Hrs	50
Total		75	120	18 Hrs	195	555	30 Hrs	750



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Semester VII

Course code	Name of the course	Internal Assessment			End Semester Exams			Total Marks
		Continuous Mode	Sessional Exams Marks	Duration	Total	Marks	Duration	
BP701T	Instrumental Methods of Analysis – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP702T	Industrial Pharmacy – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP703T	Pharmacy Practice – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP704T	Novel Drug Delivery System – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP705 P	Instrumental Methods of Analysis – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP706 PS	Practice School*	25	-	-	25	125	5 Hrs	150
Total		70	70	8Hrs	140	460	21 Hrs	600

* The subject experts at college level shall conduct examinations



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Semester VIII

Course code	Name of the course	Internal Assessment			End Semester Exams			Total Marks
		Continuous Mode	Sessional Exams Marks	Duration	Total	Marks	Duration	
BP801T	Biostatistics and Research Methodology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP802T	Social and Preventive Pharmacy – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP803ET	Pharmaceutical Marketing – Theory	10 + 10 = 20	15 + 15 = 30	1 + 1 = 2 Hrs	25 + 25 = 50	75 + 75 = 150	3 + 3 = 6 Hrs	100 + 100 = 200
BP804ET	Pharmaceutical Regulatory Science – Theory							
BP805ET	Pharmacovigilance – Theory							
BP806ET	Quality Control and Standardization of Herbs – Theory							
BP807ET	Computer Aided Drug Design – Theory							
BP808ET	Cell and Molecular Biology – Theory							
BP809ET	Cosmetic Science – Theory							
BP810ET	Experimental Pharmacology – Theory	-	-	-	-	150	4 Hrs	150
BP811ET	Advanced Instrumentation Techniques – Theory							
BP812PW	Project Work	-	-	-	-	150	4 Hrs	150
Total		40	60	4 Hrs	100	450	14 Hrs	550



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11.2. Internal assessment: Continuous mode

The marks allocated for Continuous mode of Internal Assessment shall be awarded as per the scheme given below.

Table-XI: Scheme for awarding internal assessment: Continuous mode

Theory		
Criteria	Maximum Marks	
Attendance (Refer Table – XII)	4	2
Academic activities (Average of any 3 activities e.g. quiz, assignment, open book test, field work, group discussion and seminar)	3	1.5
Student – Teacher interaction	3	1.5
Total	10	5
Practical		
Attendance (Refer Table – XII)	2	
Based on Practical Records, Regular viva voce, etc.	3	
Total	5	

Table- XII: Guidelines for the allotment of marks for attendance

Percentage of Attendance	Theory	Practical
95 – 100	4	2
90 – 94	3	1.5
85 – 89	2	1
80 – 84	1	0.5
Less than 80	0	0



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INTERNAL ASSESSMENT SCHEDULE



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11.2.1. Sessional Exams

Overview:

- Two Sessional exams will be conducted for each theory/practical course according to the schedule fixed by the college(s).
- The average marks from the two Sessional exams will be computed for internal assessment, as per the requirements in tables – X.

Marks Distribution:

- Theory Sessional Exam:**
Total Marks: 30
Computed Marks: 15
- Practical Sessional Exam:**
Total Marks: 40
Computed Marks: 10

Question Paper Pattern for Theory Sessional Examinations: Applicable for subjects with University examination:

- Multiple Choice Questions (MCQs):**
10 questions x 1 mark each = 10 marks
OR
Objective Type Questions:
5 questions x 2 marks each = 10 marks
(Answer all questions)
- Long Answers:**
Answer 1 out of 2 = 10 marks (1 x 10)
- Short Answers:**
Answer 2 out of 3 = 10 marks (2 x 5)



Total = 30 Marks

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Table-XI: Scheme for awarding internal assessment: Continuous mode

Theory		
Criteria	Maximum Marks	
Attendance (Refer Table – XII)	4	2
Academic activities (Average of any 3 activities e.g. quiz, assignment, open book test, field work, group discussion and seminar)	3	1.5
Student – Teacher interaction	3	1.5
Total	10	5
Practical		
Attendance (Refer Table – XII)	2	
Based on Practical Records, Regular viva voce, etc.	3	
Total	5	

Table- XII: Guidelines for the allotment of marks for attendance

Percentage of Attendance	Theory	Practical
95 – 100	4	2
90 – 94	3	1.5
85 – 89	2	1
80 – 84	1	0.5
Less than 80	0	0



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LESSON PLAN- THEORY B.PHARM 3RD SEMESTER Subject: Pharmaceutical Engineering

Sl. No	Topic	Reference Book	Teaching Aids
1	Flow of Fluids	Reference 1	PPT
2	Size Reduction	Reference 3	Book
3	Size Separation	Reference 5	PPT
4	Heat Transfer	Reference 2	Book
5	Evaporation	Reference 6	PPT
6	Distillation	Reference 4	Book
7	Drying	Reference 7	PPT
8	Mixing	Reference 1	Book
9	Filtration	Reference 8	PPT
10	Centrifugation	Reference 2	Book
11	Materials of Pharmaceutical Plant Construction	Reference 5	PPT
12	Corrosion and Its Prevention	Reference 6	Book

Recommended Books: (Latest Editions)

1. Introduction to chemical engineering edition. Walter L. Dodge & Julius Brachman, Latest edition.
2. Solid phase extraction. Principles, techniques and applications by Nigel J.K. Simpson- Latest edition.
3. Unit operation of chemical engineering - McCabe Smith, Latest edition.
4. Pharmaceutical engineering principles and practices - C.V.S Subrahmanyam et al., Latest edition.
5. Ramington practice of pharmacy- Martin, Latest edition.
6. Theory and practice of industrial pharmacy by Iachmann, Latest edition.
7. Physical pharmaceutics- C.V.S Subrahmanyam et al., Latest edition.
8. Cooper and Gunn's Tutorial pharmacy, S.J. Carter, latest edition.



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LESSON PLAN- PRACTICAL B.PHARM 3RD SEMESTER Subject: Pharmaceutical Engineering

Sl. No	Topic
1	Radiation Constants of Brass, Iron, Glass
2	Efficiency of Steam Distillation
3	Overall Heat Transfer Coefficient
4	Drying Curves: Calcium Carbonate & Starch
5	Moisture Content & Loss on Drying
6	Humidity of Air: Dew Point Method
7	Pharmaceutical Machinery Overview
8	Size Analysis by Sieving
9	Size Reduction: Ball Mill Laws
10	Demonstration of Major Equipment
11	Factors Affecting Filtration & Evaporation
12	Effect of Time on Crystallization
13	Uniformity Index: Double Cone Blender



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Academic work

A regular record of attendance both in Theory and Practical shall be maintained by the teaching staff of respective courses.

Course of study

The course of study for B. Pharm shall include Semester Wise Theory & Practical as given in Table. The number of hours to be devoted to each theory, tutorial and practical course in any semester shall not be less than that shown in Table.

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
	Total	28	4	24



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LESSON PLAN



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REF.NO:SSIP / III B.PHARM / CCM-II/AY:2024-2025/01

DATE: 14/12/2024

CLASS COMMITTEE MEETING CIRCULAR

We are pleased to announce the class committee meeting for the 6th semester B.Pharm, scheduled on 18.12.2024 from 3:00 PM to 4:30 PM. The following members are requested to attend the meeting on the mentioned schedule.

MEETING AGENDA

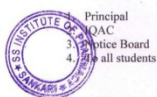
1. To ensure adequate systems in the library
 2. To discuss about conducting Journal club
 3. To ensure the subject wise books or materials availability to the students.
 4. To encourage the students and staffs participate various co curricular activities.
 5. To discuss about the syllabus completion before conducting an Internal assessment test-I.
 6. Any other points, with the permission of the Chair Person, Minutes of meeting.
- Your presence is essential, and we advise all Class Committee Members to attend this meeting without fail.

Class Advisor

Chair Person

Academic Co-ordinator

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CLASS COMMITTEE

Year: III & Semester: VI

DATE: 14/12/2024

Chair Person: Mrs.C.Kalaiselvi
Class Advisor: Mrs.P.Nanditha

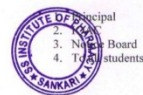
SL.NO	FACULTY	DESIGNATION
1	Dr. Jothimanivannan.C	Principal
2	Mrs.C.Kalaiselvi	Chair person
3	Mr.M.Sureshkumar	Professor
4	Mrs.B.Anitha	Associate Professor
5	Mrs. M.Vaniitha	Associate Professor
6	Mr.S.Pravinkumar	Assistant Professor
7	Mrs.P.Nanditha	Assistant Professor
8	Mohamed kabeer.A	Student Representative
9	Uma sankari.C	Student Representative

Class Advisor

Chair Person

Academic Co-ordinator

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MINUTES OF CLASS COMMITTEE MEETING-I

Year: III & Semester: VI

DATE: 18/12/2024

Ref:

The chair person conducted a meeting with third year students and subject handling staffs on 18.12.2024 at 3.00 PM in the principal cabin and discussed the following points.

Attendance

SL.NO	FACULTY	DESIGNATION	Signature
1	Dr. Jothimanivannan.C	Principal	
2	Mrs.C.Kalaiselvi	Chair person	
3	Mr.M.Sureshkumar	Professor	
4	Mrs.B.Anitha	Associate Professor	
5	Mrs. M.Vaniitha	Associate Professor	
6	Mr.S.Pravinkumar	Assistant Professor	
7	Mrs.P.Nanditha	Assistant Professor	
8	Mohamed kabeer.A	Student Representative	
9	Uma sankari.C	Student Representative	



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SL.NO.	POINTS DISCUSSED
1	Discussion about conducting more journal clubs
2	Add more systems in the library
3	Participate various co curricular activities of students and staffs.
4	Subject wise book and materials availability
5	Syllabus completion before Internal assessment-I

COURSE CODE	NAME OF THE COURSE	UNIT COMPLETED	ASS-I/OBSERVATION GIVEN	REMARKS
BP601T	Medicinal Chemistry III – Theory	1	YES	NIL
BP602T	Pharmacology III – Theory	1.5	YES	NIL
BP603T	Herbal Drug Technology – Theory	1	YES	
BP604T	Biopharmaceutics and Pharmacokinetics – Theory	1	YES	Irregular class
BP605T	Pharmaceutical Biotechnology – Theory	1.5	YES	
BP606T	Quality Assurance – Theory	1	YES	Completed



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BP607P	Medicinal chemistry III – Practical	4	YES	NIL
BP608P	Pharmacology III – Practical	4	YES	NIL
BP609P	Herbal Drug Technology – Practical	4	YES	NIL



Class Advisor

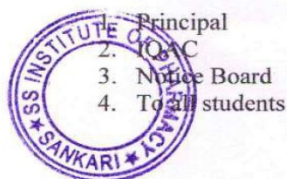



Chair Person



Academic Co-ordinator

Copy to :




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KUPPANUR (PO), SANKARI (TK).
SALEM - 637301

NH-544, Kuppanur (Po), Sankari (Tk), Salem(Dt) – 637301, Tamilnadu, India
Phone : 04283 241080 | E-mail : ssip1718@gmail.com | Website : www.ssip.edu.in

CLASS COMMITTEE MEETING



SS INSTITUTE OF PHARMACY

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Affiliated to the Tamil Nadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

Date: 16.10.2023

CIRCULAR

All the IV B.Pharm (3rd semester), III B.Pharm (5th semester), II B.Pharm (3rd semester) & I B.Pharm (2nd semester) students are hereby informed that 1st SESSIONAL THEORY EXAMINATION will be commenced from 26.10.2023 to 31.10.2023.

- Time table is given below. Staffs are advised to submit the hard copy (2 copies) of the question papers and also send the soft copy of the question papers to the ssipexamres112020@gmail.com on or before the 20.10.2023.
- Evaluated papers ,Mark statements , Students attendance details have to be submitted within a week to concern examination to sessional board.

NOTE : Students should submit Sessional Eligibility (No Due) Certificate for writing examination on or before 21.10.2023.




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EXAM CELL CIRCULAR



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B.Pharm I Sessional Theory Examination (8th & 5th semester)

TIME TABLE

DATE	FORENOON SESSION (11.00am - 12.30 pm) 5 th semester	AFTERNOON SESSION (2.30pm - 4.00pm) 8 th semester
26.10.2023 Thursday	Medicinal Chemistry -II	Biostatistics & Research Methodology
27.10.2023 Friday	Industrial Pharmacy - II	Advanced Instrumentation Techniques
28.10.2023 Saturday	Pharmacology - II	Social & Preventive Pharmacy
30.10.2023 Monday	Pharmacognosy & Phytochemistry II	Cosmetic Science
31.10.2023 Tuesday	Pharmaceutical Jurisprudence	-



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B.Pharm I Sessional Theory Examination (8th & 5th semester)

TIME TABLE

DATE	FORENOON SESSION (11.00am - 12.30 pm) 5 th semester	AFTERNOON SESSION (2.30pm - 4.00pm) 8 th semester
26.10.2023 Thursday	Medicinal Chemistry -II	Biostatistics & Research Methodology
27.10.2023 Friday	Industrial Pharmacy - II	Advanced Instrumentation Techniques
28.10.2023 Saturday	Pharmacology - II	Social & Preventive Pharmacy
30.10.2023 Monday	Pharmacognosy & Phytochemistry II	Cosmetic Science
31.10.2023 Tuesday	Pharmaceutical Jurisprudence	-



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INTERNAL EXAM SCHEDULE



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SESSIONAL: I-SESSIONAL THEORY EXAM

1ST B.PHARM SEM-III (SEP-2023-2024)

SUBJECT: Biochemistry

TIME: 1 HOUR and 30 minutes

Maximum marks: 30

LONG ANSWERS:

(1×10=10)

1. Explain the De novo synthesis of Palmitic Acid.
2. Explain the steps involved in biosynthesis of nucleotide.

SHORT NOTES: (Answer any two)

(2×5=10)

1. Explain enzyme kinetics with Michaelis plot.
2. Explain allosteric enzymes regulations.
3. Hexose Monophosphate pathway.

SHORT ANSWERS:

(5×2=10)

1. What is albumin?
2. Difference between mRNA and tRNA.
3. Define co-enzyme.
4. Creatinine.
5. Lipoprotein.



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SESSIONAL: I-SESSIONAL THEORY EXAM

1ST B.PHARM SEM-III (SEP-2023-2024)

SUBJECT: Pharmaceutical organic chemistry -I

TIME: 1 HOUR and 30 minutes

Maximum marks: 30

LONG ANSWERS:

(1×10=10)

1. Describe the mechanism, kinetics and stereochemistry of SN2 reactions.
2. Write a note on camizaro and crossed camizaro reaction.

SHORT NOTES (Answer any two):

(2×5=10)

1. Explain the acidity of carboxylic acids.
2. Mechanism and examples of aldol condensations.
3. Explain Diels Alder reaction with examples.

SHORT ANSWERS:

(5×2=10)

1. Basicity of amines.
2. Structure and uses of formaldehyde.
3. Structure and uses of paraldehyde.
4. Structure and uses of Methyl salicylate.
5. Structure and uses of Tartaric acid.



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SESSIONAL: I-SESSIONAL THEORY EXAM

III B.PHARM SEM-V (SEP-2023-2024)

SUBJECT: INDUSTRIAL PHARMACY-I

TIME: 1 HOUR and 30 minutes

Maximum marks: 30

LONG ANSWERS:

(1×10=10)

1. Explain the types, formulation and evaluation of both suspensions and emulsions.
2. Explain about the production of hard gelatin capsule.

SHORT NOTES: (Answer any two)

(2×5=10)

1. Pellets.
2. Packaging materials used in pharmaceutical preparation.
3. Quality test for capsules.

SHORT ANSWERS:

(5×2=10)

1. Methods of coating.
2. Inert gases.
3. Slugging.
4. Diluents.
5. Types of glasses.



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SESSIONAL: I-SESSIONAL THEORY EXAM

IV B.PHARM SEM-VIII (SEP-2023-2024)

SUBJECT: BIostatistics AND RESEARCH METHODOLOGY

TIME: 1 HOUR and 30 minutes

Maximum marks: 30

LONG ANSWERS:

(1×10=10)

1. Write in details about measures of central tendencies (mean, median & mode).
2. Explain the protocol for an experimental study design.

SHORT NOTES: (Answer any two)

(2×5=10)

1. Write a short note on Correlation.
2. Write a note on Probability.
3. Write a short note on ANOVA.

SHORT ANSWERS:

(5×2=10)

1. Report writing.
2. Confidence interval.
3. Chi square test.
4. Probability.
5. Standard error of Mean.



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INTERNAL EXAM QUESTIONPAPER

CRITERION1: CURRICULAR ASPECT

SS INSTITUTE OF PHARMACY, SANKARI																			
B.PHARM - III SEMESTER - INTERNAL MARK STATEMENT -																			
SUBJECT: PHYSICAL PHARMACEUTICS - I																			
DATE: 05.12.23.																			
S.N	STUDENT NAME	THEORY								PRACTICAL								TOTAL	
		SESSIONAL (15 M)				CONFIDENT MODE (10 M)				SESSIONAL (10 M)				CONFIDENT MODE (5 M)				THEOR Y 25M	PRAC T 15M
		T 15M	H 15M	I 15M	Avg 15M	ATT 4M	ACA ACT 3M	S-E INT 3M	CV 10M (10 M)	T 10M	H 10M	I 10M	Avg 10M	ATT 2M	REC / VIA 3M	CV 10M (5M)			
1	ABINESH S	11	11	-	11	4	3	3	10	07	07	-	07	2	3	5	21	94	
2	ABISHEK B	13	12	-	13	4	3	3	10	08	07	-	08	2	3	5	23	91	
3	ABISURYA C	13	13	-	13	4	3	3	10	08	08	-	08	2	3	5	23	95	
4	ANANDHASIVAM T	11	12	-	12	3	3	3	09	07	07	-	07	2	3	5	21	92	
5	ANBU R	12	13	-	13	4	3	3	10	08	08	-	08	2	3	5	23	94	
6	ARAVINTH M	12	12	-	12	4	3	3	10	08	08	-	08	2	3	5	22	91	
7	ARCHANA A	12	11	-	12	4	3	3	10	07	08	-	08	2	3	5	22	92	
8	ARIVILKUMAR P	11	12	-	12	4	3	3	10	07	07	-	07	2	3	5	22	94	
9	ARUN A	13	12	-	13	4	3	3	10	08	08	-	08	2	3	5	23	92	
10	ARUNKUMAR K	12	12	-	12	4	3	3	10	07	08	-	08	2	3	5	22	91	
11	ARUNKUMAR M	13	12	-	13	4	3	3	10	07	08	-	08	2	3	5	23	92	
12	BALAMURUGAN B	12	11	-	12	4	3	3	10	07	07	-	07	2	3	5	22	91	
13	BATHRINATH A	14	14	-	14	4	3	3	10	08	09	-	09	2	3	5	24	92	
14	BOOPATHI G	12	13	-	13	4	3	3	10	08	07	-	08	2	3	5	23	93	
15	BOOPATHI P	12	12	-	12	4	3	3	10	07	08	-	08	2	3	5	22	91	
16	CHITHARTHA M	13	14	-	14	4	3	3	10	08	09	-	09	2	3	5	24	95	
17	DEVIPRIYA K	14	13	-	14	4	3	3	10	08	09	-	09	2	3	5	24	94	
18	DHATCHANAMOORTHY K	14	14	-	14	4	3	3	10	09	09	-	09	2	3	5	24	92	
19	DHIVYA N	13	13	-	13	4	3	3	10	08	08	-	08	2	3	5	23	91	
20	GAYATHRI S	13	12	-	13	4	3	3	10	07	08	-	08	2	3	5	23	92	
21	GOPI K	13	12	-	13	4	3	3	10	07	08	-	08	2	3	5	23	91	

22	UDHANA K	14	13	-	13	4	3	3	10	08	09	-	09	2	3	5	24	92
23	GURUDORTH M	11	12	-	12	4	3	3	10	07	07	-	07	2	3	5	22	92
24	HARSHITHA K	13	12	-	13	4	3	3	10	08	08	-	08	2	3	5	23	91
25	JITHENDRAN	12	12	-	12	4	3	3	10	08	09	-	09	2	3	5	23	91
26	KARTHIKEYAN S	12	13	-	13	4	3	3	10	08	08	-	08	2	3	5	23	91
27	KARTHIK K	12	13	-	13	4	3	3	10	08	08	-	08	2	3	5	23	91
28	KARTHIKEYAN M	12	13	-	13	4	3	3	10	08	08	-	08	2	3	5	23	91
29	KAVINBHARATH S	13	12	-	13	4	3	3	10	08	08	-	08	2	3	5	23	91
30	KAVYAS	12	13	-	13	4	3	3	10	08	08	-	08	2	3	5	23	91
31	KIRANAN P	13	13	-	13	4	3	3	10	08	08	-	08	2	3	5	23	91
32	KIRANAN R	12	13	-	13	4	3	3	10	08	08	-	08	2	3	5	23	91
33	KIRUTHIKA P	13	13	-	13	4	3	3	10	08	08	-	08	2	3	5	23	91
34	MISALA G	12	13	-	13	4	3	3	10	08	08	-	08	2	3	5	23	91
35	MOHAMMEDKABIR A	13	14	-	14	4	3	3	10	08	09	-	09	2	3	5	24	94
36	RAVINDH G	12	13	-	13	4	3	3	10	08	08	-	08	2	3	5	23	91
37	SARAN MOHAN R	12	12	-	12	4	3	3	10	08	08	-	08	2	3	5	23	91
38	SAHAGA G	14	14	-	14	4	3	3	10	08	09	-	09	2	3	5	24	94
39	SATHYAJASMINI A	13	14	-	14	4	3	3	10	08	08	-	08	2	3	5	23	91
40	SATHYAJASMINI P	12	12	-	12	4	3	3	10	08	08	-	08	2	3	5	23	91
41	SEENITHA D	14	14	-	14	4	3	3	10	08	09	-	09	2	3	5	24	94
42	SIRGANATH K	14	14	-	14	4	3	3	10	08	09	-	09	2	3	5	24	94
43	SUGATHINI M	12	13	-	13	4	3	3	10	08	08	-	08	2	3	5	23	91
44	SUNDHAR S	12	11	-	12	4	3	3	10	07	07	-	07	2	3	5	22	91
45	SURYA M	12	11	-	12	4	3	3	10	07	07	-	07	2	3	5	22	91
46	SYED ABULLA A	13	14	-	14	4	3	3	10	08	09	-	09	2	3	5	24	94
47	TAMILAMANI P	12	11	-	12	4	3	3	10	07	07	-	07	2	3	5	22	91
48	THIRUMALAI R	14	14	-	14	4	3	3	10	08	09	-	09	2	3	5	24	94
49	THIRUMELNATHAN M	12	12	-	12	4	3	3	10	08	08	-	08	2	3	5	23	91

50	THIRUMELNATHAN V	12	12	-	12	4	3	3	10	08	07	-	08	2	3	5	22	91
51	VICKISH C	11	11	-	11	4	3	3	10	07	07	-	07	2	3	5	21	92
52	VINAYAS S	13	13	-	13	4	3	3	10	08	08	-	08	2	3	5	23	93
53	VINAYASARATHI S	13	13	-	13	4	3	3	10	08	08	-	08	2	3	5	23	93
54	VINAYASARATHI S	14	13	-	13	4	3	3	10	08	08	-	08	2	3	5	23	93
55	VINAYASARATHI S	14	13	-	13	4	3	3	10	08	08	-	08	2	3	5	23	93
56	VINODHIN A	13	13	-	13	4	3	3	10	08	08	-	08	2	3	5	23	93
57	VISHALATCHI K	13	12	-	13	4	3	3	10	08	08	-	08	2	3	5	23	93
58	YADHINI B	13	12	-	13	4	3	3	10	08	08	-	08	2	3	5	23	93
59	YUVAKRUTHIGAS	12	13	-	13	4	3	3	10	08	08	-	08	2	3	5	23	93
60	ESAIMOZH S																	

INTERNAL ASSESSMENT

B.PHARMACY SEMESTER EXAMINATIONS

SEPTEMBER 2023 SESSION

(Examination held on DECEMBER 2023)

I to VIII Semester

TIME TABLE

(for all Candidates admitted upto A.Y 2022-2023)

Day	Date and Time	Paper	Subjects	Q.P. Code
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**PHARMACY
UNDER GRADUATE DEGREE COURSE
B.PHARM (SEMESTER) EXAMINATIONS (2017 Regulation)**

FIRST SEMESTER

Thu	11-01-2024 9.30 am to 12.30 pm	I	Human Anatomy and Physiology I	562001
Fri	12-01-2024 9.30 am to 12.30 pm	II	Pharmaceutical Analysis I	562003
Fri	19-01-2024 9.30 am to 12.30 pm	III	Pharmaceutics I	562005
Mon	22-01-2024 9.30 am to 12.30 pm	IV	Pharmaceutical Inorganic Chemistry	562007

Non University Exam

Wed	24-01-2024	V	Communication Skill (Theory)	562009
Mon	29-01-2024	VI	Communication Skill (Practical)	562010
Tue	30-01-2024	VII	Remedial Biology (Theory)	562011
		VIII	Remedial Biology (Practical)	562012
		IX	Remedial Mathematics (Theory)	562013



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SECOND SEMESTER

Tue	02-01-2024 9.30 am to 12.30 pm	I	Human Anatomy and Physiology II	562014
Wed	03-01-2024 9.30 am to 12.30 pm	II	Pharmaceutical Organic Chemistry I	562016
Thu	04-01-2024 9.30 am to 12.30 pm	III	Biochemistry	562018
Fri	05-01-2024 9.30 am to 12.30 pm	IV	Pathophysiology	562020

Non University Exam

Wed	31-01-2024	V	Computer Application In Pharmacy (Theory)	562021
Thu	01-02-2024	VI	Computer Application In Pharmacy (Practical)	562022
Fri	02-02-2024	VII	Environmental Sciences (Theory)	562023



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THIRD SEMESTER

Thu	11-01-2024 2.00 pm to 5.00 pm	I	Pharmaceutical Organic Chemistry II	562031
Fri	12-01-2024 2.00 pm to 5.00 pm	II	Physical Pharmaceutics I	562033
Fri	19-01-2024 2.00 pm to 5.00 pm	III	Pharmaceutical Microbiology	562035
Mon	22-01-2024 2.00 pm to 5.00 pm	IV	Pharmaceutical Engineering	562037

**Non University Exam
(for Lateral Entry Candidates Only)**

Wed	24-01-2024	V	Communication Skill (Theory)	562009
Mon	29-01-2024	VI	Communication Skill (Practical)	562010



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FOURTH SEMESTER

Wed	03-01-2024 2.00 pm to 5.00 pm	I	Pharmaceutical Organic Chemistry III	562039
Thu	04-01-2024 2.00 pm to 5.00 pm	II	Medicinal Chemistry I	562040
Fri	05-01-2024 2.00 pm to 5.00 pm	III	Physical Pharmaceutics II	562042
Mon	08-01-2024 2.00 pm to 5.00 pm	IV	Pharmacology I	562044
Tue	09-01-2024 2.00 pm to 5.00 pm	V	Pharmacognosy and Phytochemistry I	562046

**Non University Exam
(for Lateral Entry Candidates only)**

Wed	31-01-2024	VI	Computer Application In Pharmacy (Theory)	562021
Thu	01-02-2024	VII	Computer Application In Pharmacy (Practical)	562022



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UNIVERSITY EXAM SCHEDULE

FIFTH SEMESTER

Thu	11-01-2024 9.30 am to 12.30 pm	I	Medicinal Chemistry II	562051
Fri	12-01-2024 9.30 am to 12.30 pm	II	Industrial Pharmacy I	562052
Fri	19-01-2024 9.30 am to 12.30 pm	III	Pharmacology II	562054
Mon	22-01-2024 9.30 am to 12.30 pm	IV	Pharmacognosy and Phytochemistry II	562056
Tue	23-01-2024 9.30 am to 12.30 pm	V	Pharmaceutical Jurisprudence	562058

SIXTH SEMESTER

Wed	03-01-2024 9.30 am to 12.30 pm	I	Medicinal Chemistry III	562059
Thu	04-01-2024 9.30 am to 12.30 pm	II	Pharmacology III	562061
Fri	05-01-2024 9.30 am to 12.30 pm	III	Herbal Drug Technology	562063
Mon	08-01-2024 9.30 am to 12.30 pm	IV	Biopharmaceutics and Pharmacokinetics	562065
Tue	09-01-2024 9.30 am to 12.30 pm	V	Pharmaceutical Biotechnology	562066
Wed	10-01-2024 9.30 am to 12.30 pm	VI	Quality Assurance	562067



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SEVENTH SEMESTER

Thu	11-01-2024 2.00 pm to 5.00 pm	I	Instrumental Methods of Analysis	562071
Fri	12-01-2024 2.00 pm to 5.00 pm	II	Industrial Pharmacy	562073
Fri	19-01-2024 2.00 pm to 5.00 pm	III	Pharmacy Practice	562074
Mon	22-01-2024 2.00 pm to 5.00 pm	IV	Novel Drug Delivery System	562075



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Non University Exam

Mon	05-02-2024	V	Practice School (Theory)	562076
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EIGHTH SEMESTER

Tue	26-12-2023 9.30 am to 12.30 pm	I	Biostatistics and Research Methodology	562077
Wed	27-12-2023 9.30 am to 12.30 pm	II	Social and Preventive Pharmacy	562078

GROUP - I
ELECTIVE PAPER

Thu	28-12-2023 9.30 am to 12.30 pm	III	Quality Control and Standardization of Herbs	562082
		IV	Computer Aided Drug Design	562083
		V	Cell and Molecular Biology	562084
		VI	Pharmacological Screening Methods	562086
		VII	Advanced Instrumentation Techniques	562087
		VIII	Pharmaceutical Product Development	562089

GROUP - II
ELECTIVE PAPER

Fri	29-12-2023 9.30 am to 12.30 pm	IX	Pharma Marketing Management	562079
		X	Pharmaceutical Regulatory Science	562080
		XI	Pharmacovigilance	562081
		XII	Cosmetic Science	562085
		XIII	Dietary Supplements and Nutraceuticals	562088



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CONTROLLER OF EXAMINATIONS(FAC)

UNIVERSITY EXAM SCHEDULE

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[B.PHARM 0323] MARCH 2023 Sub. Code: 2061
(SEPTEMBER 2022 EXAM SESSION)

B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)
PCI Regulation 2017 – SEMESTER VI
PAPER II – PHARMACOLOGY III

Q.P. Code: 562061

Time: Three hours Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Classify Anti-tubercular agents. Add a note on mechanism of action, pharmacological actions and adverse effects of Anti-tubercular drugs.
2. Classify cephalosporins. Write the mechanism of action, adverse effects and uses of cephalosporins.
3. a) Classify antitussive drugs.
b) Mechanism of action of cotrimoxazole.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Write the importance of chronotherapy with example.
2. Discuss the symptoms and treatment of arsenic poisoning.
3. Enumerate drugs used in sexually transmitted diseases.
4. Explain briefly about immunosuppressants.
5. Discuss the mechanism of Nucleoside Reverse Transcriptase Inhibitors.
6. Classify Anthelmintic Agents.
7. Nasal decongestants.
8. Bronchodilators.
9. Antimetabolites in cancer.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. What are Anti emetics?
2. Lepra reaction.
3. Define the term genotoxicity.
4. Name two drugs used in anti amoebic drugs.
5. What are antifungal antibiotics?
6. Mast cell stabilizers.
7. What are digestants give examples.
8. What are proton pump inhibitors?
9. Biological clock.
10. What are the adverse effects of amino glycoside antibiotics?

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[B.PHARM 0524] MAY 2024 Sub. Code: 2061

B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)
PCI Regulation 2017 – SEMESTER VI
PAPER II – PHARMACOLOGY III

Q.P. Code: 562061

Time: Three hours Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Classify Anti-malarial agents. Add a note on mechanism of action, pharmacological actions and adverse effects of any one drug.
2. Classify penicillins. Write the mechanism of action, adverse effects and uses of penicillins.
3. a) Classify antacids with examples.
b) Classify antidiarrhoeal drugs with example.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

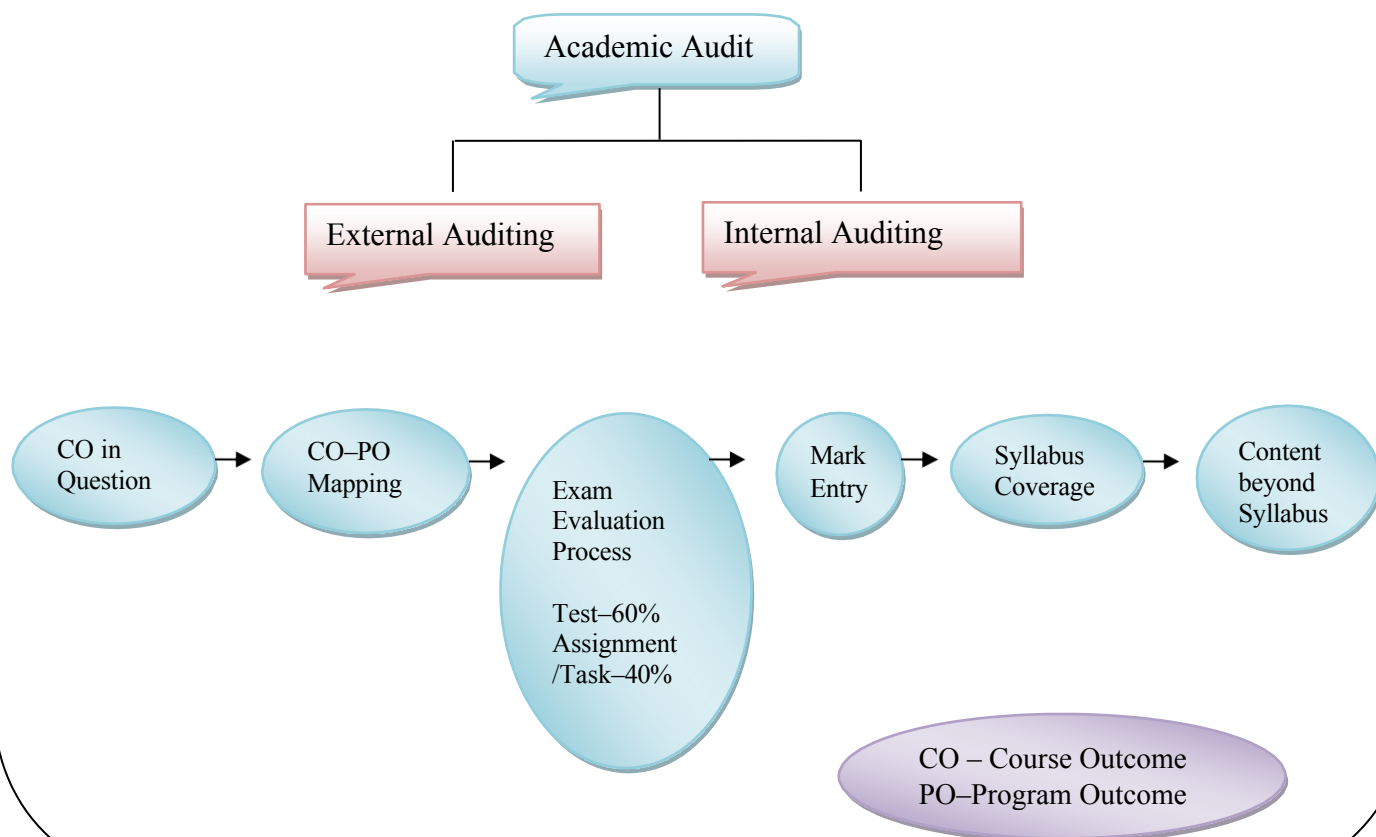
1. Mechanism of action of fluoroquinolones.
2. What are the general treatments of poisoning?
3. Classify antifungal drugs.
4. Explain briefly about immunosuppressants.
5. Discuss the mechanism of any one antiviral drug.
6. Classify Antiamoebic Agents.
7. What are biosimilars? Give example.
8. Bronchodilators.
9. Classify anti-cancer drugs.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. What are mucolytics?
2. Define the term mutagenicity.
3. Name two anthelmintic drugs.
4. What are the uses of sulphonamides?
5. Mast cell stabilizers.
6. What are digestants give examples.
7. Write the clinical uses of aminoglycoside antibiotics.
8. What are the drugs effective against H.Pylori?
9. What are Prokinetics? Give example.
10. Biological clock.

UNIVERSITY QUESTION PAPER

Once in a semester



Academic Audit Process



Projector Equipped Seminar Hall



Projector Equipped Seminar Hall



Smart board Equipped Class Rooms

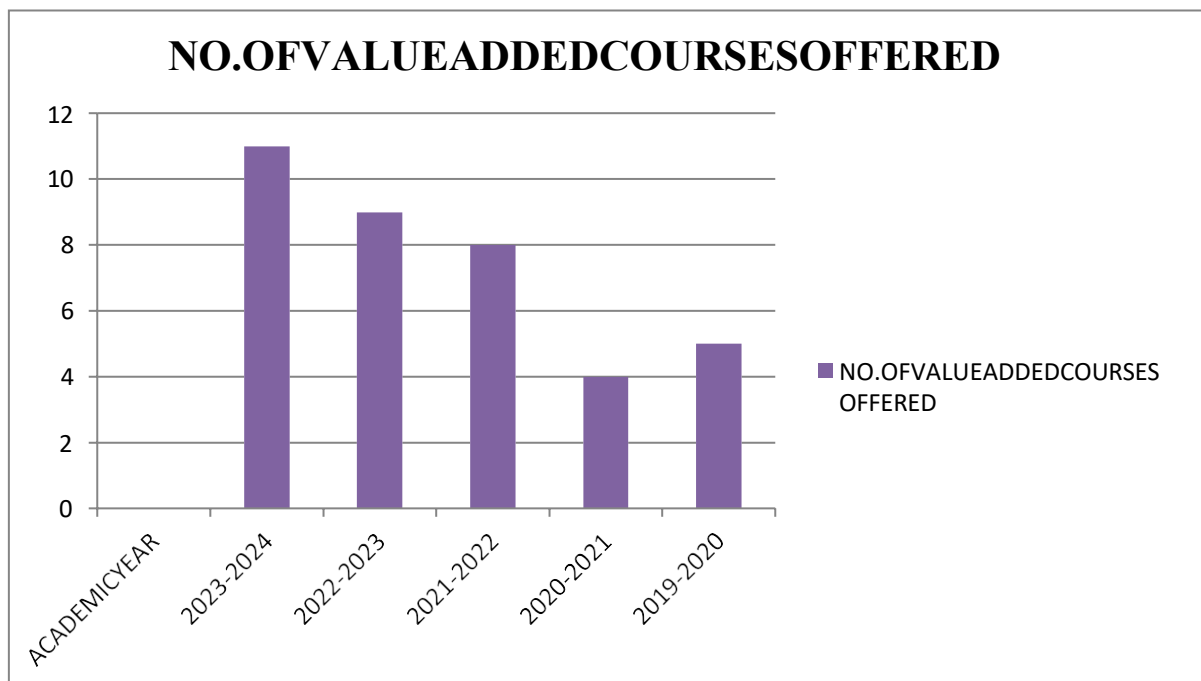


Smart board Equipped Class Rooms

1.2 ACADEMIC FLEXIBILITY

NUMBER OF CERTIFICATE/VALUE ADDED COURSES OFFERED DURING THE LAST FIVE YEARS

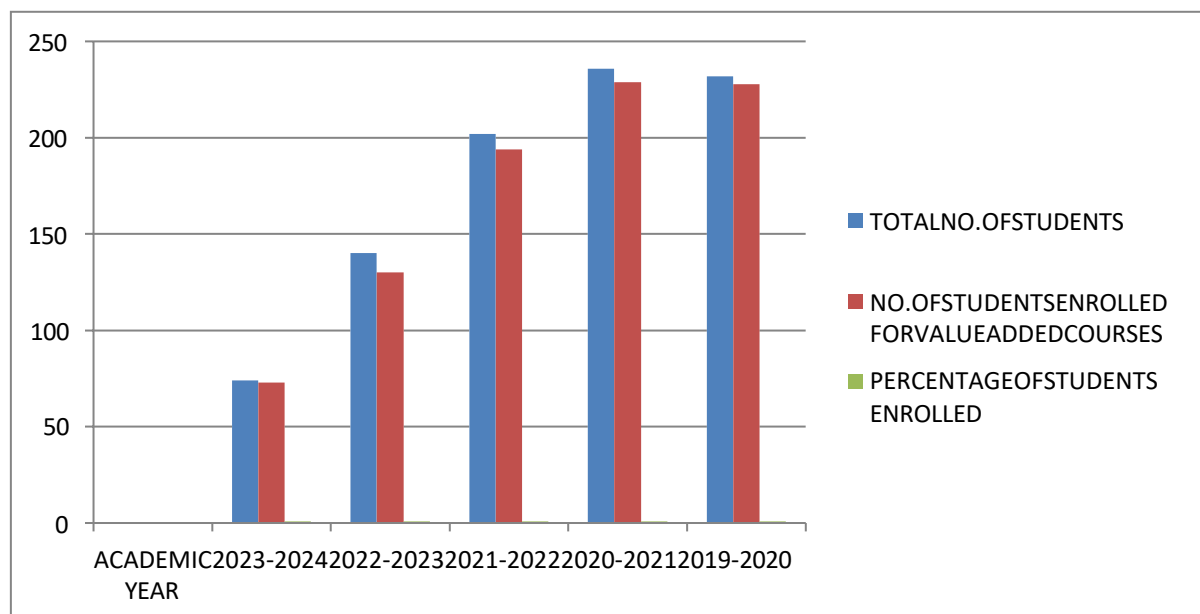
ACADEMIC YEAR	NO.OFVALUEADDEDCOURSES OFFERED
2023-2024	11
2022-2023	9
2021-2022	8
2020-2021	4
2019-2020	5
TOTAL=37	



Course Attainment Calculation

**PERCENTAGE OF STUDENTS ENROLLED IN CERTIFICATE/ ADDON/
VALUE ADDED PROGRAMS AS AGAINST THE TOTAL NUMBER
OFSTUDENTS DURING THE LAST FIVE YEARS**

ACADEMIC YEAR	TOTALNO.OF STUDENTS	NO.OFSTUDENTS ENROLLED FOR VALUE ADDED COURSES	PERCENTAGE OFSTUDENTS ENROLLED
2023-2024	74	73	98.6%
2022-2023	140	130	92.8%
2021-2022	202	194	96%
2020-2021	236	229	97%
2019-2020	232	228	98.2%
TOTAL			96.5%

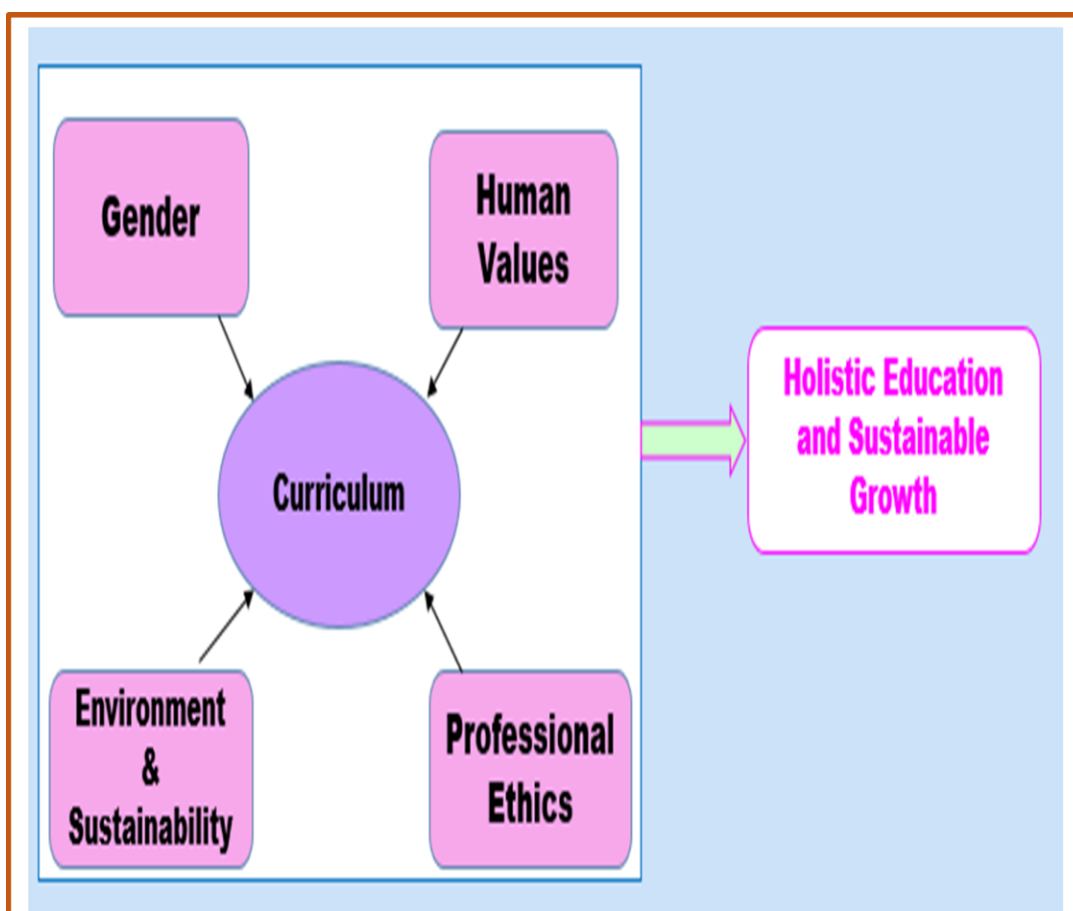


UNIQUE VALUE ADDED COURSES OFFERED:

- **Advanced therapy topics in immunotherapy**
- **Green cell factories**
- **Biomechanics and orthopaedic implants**
- **Block chain technology in pharmaceuticals**
- **Cell designer modeling tool for gene-regulatory & biomedical networks**
- **Computational protein modeling and analytics**
- **Systematic reviews for pharmacy health professionals**
- **Advanced bioinformatics: Tools & applications**
- **Telemedicine: Principles & practices**
- **Applied Computational Fluid Dynamics**
- **Advanced Research Techniques in Homeopathic System of Medicine**
- **A Basic Course in Machine Learning**
- **Adolescent Nutrition**
- **Analytical Techniques in Biochemistry**
- **Artificial Intelligence Using Prolog Programming**
- **Introduction to human- Computer interactions**
- **Neuroscience of decision making**
- **Nano medicine regulatory aspects**
- **Natural gas engineering**
- **Advanced Techniques In Medical Imaging**
- **Nuclear And Radio Chemistry**
- **Robotics& automation Indrug manufacturing**
- **3D printing in Pharmaceutical**
- **Strategic management In the pharmaceutical industry**
- **Environmental Sustainability in Pharmaceutical industry**

1.3 CURRICULUM ENRICHMENT

INSTITUTION INTEGRATES CROSSCUTTING ISSUES RELEVANT TO PROFESSIONAL ETHICS, GENDER, HUMANVALUES, ENVIRONMENT AND SUSTAINABILITY INTO THE CURRICULUM



The Tamil nadu Dr.MGR Medical University curriculum is followed which has courses addressing cross-cutting issues. Indian Ethos teaches them the value system, and ethos in leadership and discusses about Indian Learning system talks about humility and growth.

PROFESSIONAL ETHICS AND VALUES:

- SSIP focuses on producing ethically and socially committed leaders. Business Ethics course discusses Indian culture and ethics to be followed in the management profession. It teaches them the social responsibility. Physical Fitness and Yoga Studio are utilized by students which insist on following values and self-discipline.

GENDER EQUITY:

- SSIP promotes Gender equity by the way of providing equal job opportunity, fair appraisal, in terms of students' admission, opportunities to participate in club activities, officer bearers in students association and others. Team work is always insisted in which equity is ensured in team formation. Women Empowerment Cell solves the grievances of girls.

ENVIRONMENT AND SUSTAINABILITY:

- SSIP through its extension activities protects the environment and encourages sustainability. SSIP has a completely green environment. Every year Tree plantation is done on Earth Day. Rainwater harvesting is done for sustainable ground water facilities. Video Documentary and Poster presentation, MIMES are conducted to promote Save Earth. SSIP is a plastic-free campus.

List of courses relevant to Professional Ethics, Gender, Human Value Environment and Sustainability into the Curriculum

List of Courses Addresses Cross Cutting Issues on Human Values, Environment and Sustainability into the Curriculum

S.NO	Program code	Program name	Course Code	Name of the course	Name of subject	Regulation pharmacy of council in india
1.	56	B.PHARM	BP105T	Communication skills	Gender, Human Values	2014
2.	56	B.PHARM	BP206T	Environmental sciences	Environment and Sustainability	2014
3.	56	B.PHARM	BP505T	Pharmaceutical Jurisprudence	Professional Ethics	2014
4.	56	B.PHARM	BP802T	Social and Preventive Pharmacy	Environment and Sustainability	2014
5.	56	B.PHARM	BP804ET	Pharmaceutical Regulatory Science	Professional Ethics	2014



SS INSTITUTE OF PHARMACY

(A unit of SS Educational & Charitable Trust)

Approved by Tamil Nadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamil Nadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

BF185T.COMMUNICATION SKILLS (Theory)

30 Hours

Scope: This course will prepare the young pharmacy student to interact effectively with doctors, nurses, dentists, physiotherapists and other health workers. At the end of this course the student will get the soft skills set to work cohesively with the team as a team player and will add value to the pharmaceutical business.

Objectives:

Upon completion of the course the student shall be able to

1. Understand the behavioral needs for a Pharmacist to function effectively in the arena of pharmaceutical operation
2. Communicate effectively (Verbal and Non Verbal)
3. Effectively manage the team as a team player
4. Develop interview skills
5. Develop Leadership qualities and essentials

Course content

UNIT - I

07 Hours

- **Communication Skills:** Introduction, Definition, The Importance of Communication, The Communication Process – Source, Message, Encoding, Channel, Decoding, Receiver, Feedback, Context
- **Barriers to communication:** Physiological Barriers, Physical Barriers, Cultural Barriers, Language Barriers, Gender Barriers, Interpersonal Barriers, Psychological Barriers, Emotional barriers
- **Perspectives in Communication:** Introduction, Visual Perception, Language, Other factors affecting our perspective – Past Experiences, Prejudices, Feelings, Environment

UNIT - II

07 Hours

- **Elements of Communication:** Introduction, Face to Face Communication – Tone of Voice, Body Language (Non-verbal communication), Verbal Communication, Physical Communication

- **Communication Styles:** Introduction, The Communication Styles Matrix with example for each – Direct Communication Style, Indirect Communication Style, Systematic Communication Style, Considerate Communication Style

NH-544, Kuppanur (Po), Sankari (Tk), Salem(Dt) – 637301, Tamil Nadu, India
Phone : 04283 241080 | E-mail : ssip1718@gmail.com | Website : www.ssip.edu.in



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and The Directorate of Medical Education, Chennai.

UNIT-III

07Hours

- **Basic Listening Skills:** Introduction, Self Awareness, Active Listening, Becoming an Active Listener, Listening in Difficult Situations
- **Effective Written Communication:** Introduction, When and When Not to Use Written Communication – Complexity of the Topic, Amount of Discussion Required, Shades of Meaning, Formal Communication
- **Writing Effectively:** Subject Lines, Put the Main Point First, Know Your Audience, Organization of the Message

UNIT-IV

05Hour

- **Interview Skills:** Purpose of an interview, Do's and Don't's of an interview
- **Giving Presentations:** Dealing with Fears, Planning your Presentation, Structuring Your Presentation, Delivering Your Presentation, Techniques of Delivery

UNIT-V

04Hours

- **Group Discussion:** Introduction, Communication skills in group discussion, Do's and Don't's of group discussion



PRINCIPAL
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301

NH-544, Kuppanur (Po), Sankari (Tk), Salem(Dt) – 637301, Tamil Nadu, India
Phone : 04283 241080 | E-mail : ssip1718@gmail.com | Website : www.ssip.edu.in

SYLLABUS

NEIGHBOURHOOD COMMUNITY BENEFITED

Educational awareness and social development activities conducted in following villages for the welfare of Neighborhood community.

- 1) Kidayur
- 2) Devannagoundanur
- 3) Manjakkalpatty
- 4) VN Palayam
- 5) Seetharampalayam
- 6) Kuppanur
- 7) Chinnagoundanur

SOCIALISSUESADRESSINGBYSSINSTITUTEOPHARMACY:

- 1) Tree plantation
- 2) Medical camps
- 3) Blood donation
- 4) Health & hygiene awareness
- 5) Awareness about drug abuse
- 6) Lectures about importance of vaccination
- 7) Safe Motherhood and Infant Care

**List of events relevant to Professional Ethics, Gender, Human Values,
Environment and Sustainability into the Curriculum**

PUBLIC LECTURES ON THE IMPORTANCE OF VACCINATION:

Name of activity	Public lectures on the importance of vaccination
Date of activity	21.09.2023
Place of activity	VN palayam
Beneficiaries	Village people, VN palayam



The event was a great success, with a total of **28** students and **20** residents from the nearby village in attendance. The sessions were led by healthcare professionals who delivered insightful lectures on the benefits of vaccination, debunked common myths, and addressed the concerns of the participants.

Awareness on the importance of vaccination

SAFEMOTHERHOOD& INFANTCARE

Name of activity	Safe motherhood & infant care
Date of activity	25.04.2023
Place of activity	Devannagoundanur
Beneficiaries	General public



- Students were educated on the importance of maternal health and its impact on society.
- Village women were provided with vital information on prenatal nutrition, vaccination, breastfeeding, and essential postnatal practices

SAFE MOTHERHOOD AND INFANT CARE

WORLDNOTOBACCODAYDRUGAWARENESSPROGRAM

Name of activity	World No Tobacco Day Awareness Program
Date of activity	31.05.2024
Place of activity	Kidayur
Beneficiaries	Village people Kidayur



- The program was extended to the nearby village, where 20 community members participated and expressed their appreciation for the initiative.
- The event was well- received, and the feedback from the participants was overwhelmingly positive. I would like to thank you for your support in making this program a success

World No Tobacco Day Awareness Program

TREE PLANTATION AWARENESS PROGRAM

Name of activity	Tree plantation awareness program
Date of activity	18.09.2023
Place of activity	Manjakkalpatty
Beneficiaries	Village people Manjakkalpatty

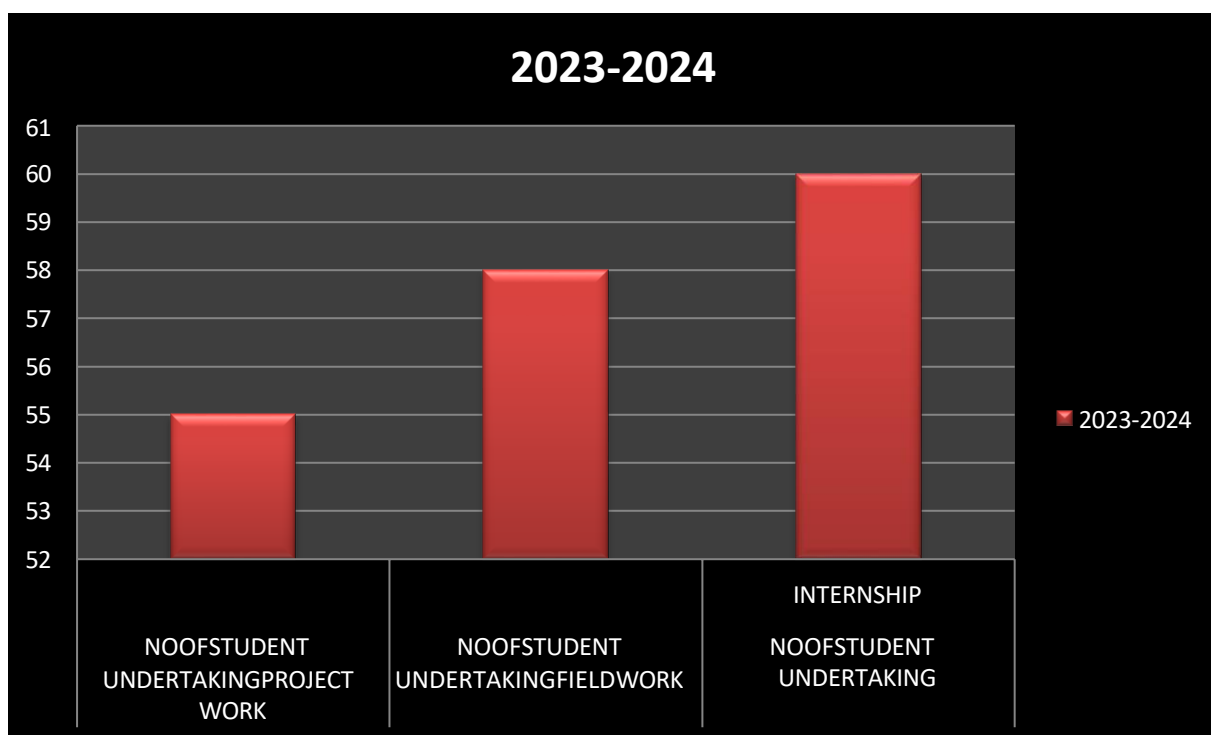


- The tree plantation awareness program successfully raised awareness about the importance of trees in combating climate change, enhancing biodiversity, and improving air quality.
- Participants gained practical knowledge about tree planting techniques and the ecological benefits of maintaining healthy ecosystems.
- The initiative fostered community involvement and encouraged sustainable practices, highlighting the collective responsibility for environmental stewardship.

AWARENESS PROGRAM ON TREE PLANTATION

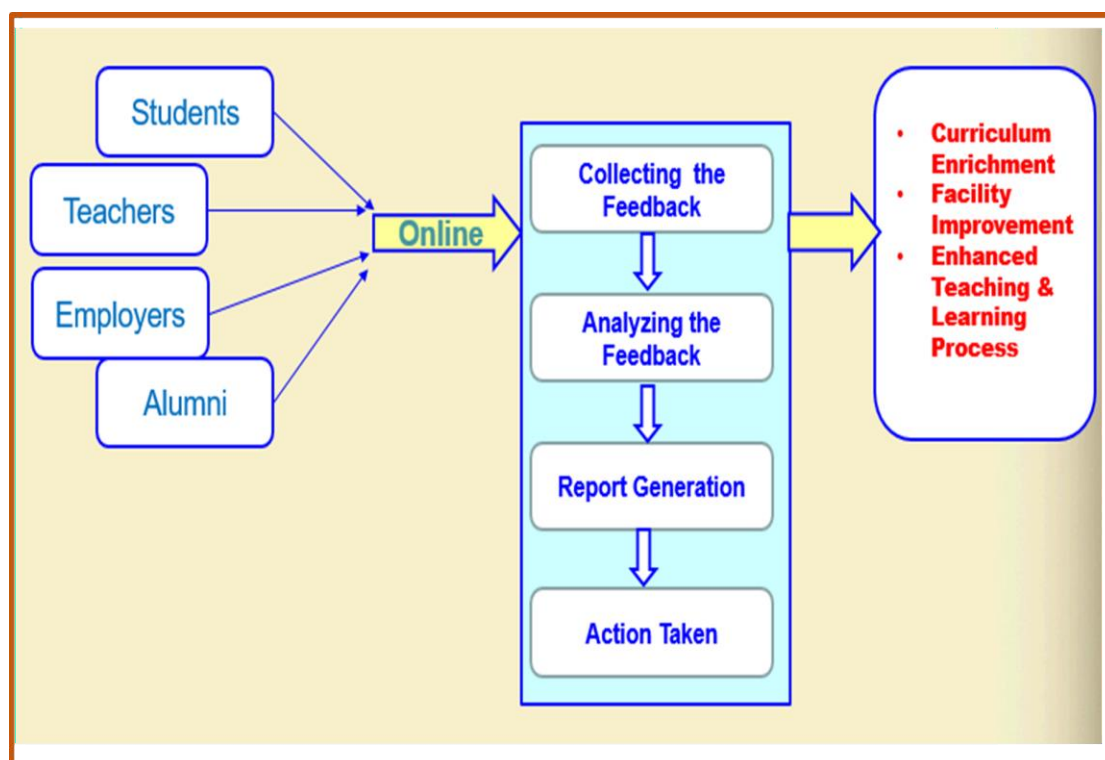
PERCENTAGE OF STUDENTS UNDERTAKING PROJECT WORK/FIELD WORK/ INTERNSHIPS (DATA FOR THE LATEST COMPLETED ACADEMIC YEAR)

YEAR	NOOFSTUDENT UNDERTAKING PROJECTWORK	NOOFSTUDENT UNDERTAKING FIELD WORK	NOOFSTUDENT UNDERTAKING INTERNSHIP
2023-2024	55	58	60
TOTAL NO OF STUDENT UNDER TAKEN PROJEC TWORK, FIELD WORK, INTERNSHIP			173
PERCENTAGE OF STUDENTS UNDERTAKEN PROJECT WORK, FIELD WORK, INTERNSHIP			100



Percentage of students under taken project work, fieldwork, internship during the academic year 2023-2024 is 100%

1.4.1. INSTITUTION OBTAINS FEEDBACK ON THE ACADEMIC PERFORMANCE AND AMBIENCE OF THE INSTITUTION FROM VARIOUS STAKEHOLDERS, SUCH AS STUDENTS, TEACHERS, EMPLOYERS, ALUMNI ETC. AND ACTION TAKEN REPORT ON THE FEEDBACK IS MADE AVAILABLE ON INSTITUTIONAL WEBSITE



Stakeholder Feedback Process

STAKEHOLDER FEEDBACK POLICY

SSIP has structured feedback mechanism for collecting feedback from various stakeholders to ensure quality of curriculum, Institute Infrastructure, Teaching Learning Process (TLP), Research Opportunities, Training and Placement and outreach services in process of education. The stakeholders play a vital role in the evaluation, development and enhancement of the quality of the learning experience at SSIP. Feedback from stakeholders allows the institute to evaluate how its service provision is viewed. The stakeholders are faculty members, alumni, students, employer etc. The feedbacks collected are analysed and corrective actions are taken. The feedback links and action taken report are hosted in the college website.

STAKE HOLDER FEEDBACK LINKS:

STAKEHOLDER	FEEDBACKLINK
Students	https://ssip.kredovoiceout.in/#/el/10000006
Faculty	https://ssip.kredovoiceout.in/#/el/10000007
Alumni	https://ssip.kredovoiceout.in/#/el/10000010
Employers	https://ssip.kredovoiceout.in/#/el/10000009

STUDENTS FEEDBACK

Name *	<input type="text" value="Sakthivel"/>
Degree: *	<input type="text" value="Bachelor of Pharmacy"/>
Program: *	<input type="text" value="Bachelor of Pharmacy"/>
YEAR *	<input type="text" value="2022_2026"/>

STUDENTS FEEDBACK

1	Textbooks and reference books available in the library relevant to the syllabus	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
2	The labs equipped for hands-on training and research activities adequately.	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
3	Effect of grievance redressal system at our college	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
4	Teachers cover the syllabus with clear explanations on all topics and helps to improve student performance	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
5	Teachers clarify students doubts and take remedial measures for weak students,	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
6	Convenience of Library hours and the procedures for issuing and returning books	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
7	Food available in the cafeteria both healthy and tasty	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor

8	Curriculum provide knowledge relevant to both industrial and hospital work	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
9	The classrooms and furniture are adequate, clean and well-maintained	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
10	The toilets are sufficient, clean and well-maintained	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
11	Support of college in sports and extracurricular activities	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
12	Organization of seminars and conferences by our college and allow students to participate in events at other colleges	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
13	College provide opportunities for you to demonstrate innovative, leadership, and communication skills during your studies	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
14	Arrangement of industrial visits and internships for students regularly by college	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
15	The curriculum include value-added courses, soft skills training, and domain-specific electives to enhance constructive learning	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor

Student's feedback screenshot

STUDENTS FEEDBACK

Name *	P. Nisha
Degree: *	Bachelor of Pharmacy ▼
Program: *	Bachelor of Pharmacy ▼
YEAR *	Fine year

STUDENTS FEEDBACK

1	Textbooks and reference books available in the library relevant to the syllabus	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
2	The labs equipped for hands-on training and research activities adequately.	<input type="radio"/> Excellent <input checked="" type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
3	Effect of grievance redressal system at our college	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
4	Teachers cover the syllabus with clear explanations on all topics and helps to improve student performance	<input type="radio"/> Excellent <input checked="" type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
5	Teachers clarify students doubts and take remedial measures for weak students,	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
6	Convenience of Library hours and the procedures for issuing and returning books	<input type="radio"/> Excellent <input checked="" type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
7	Food available in the cafeteria both healthy	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
8	Curriculum provide knowledge relevant to both industrial and hospital work	<input type="radio"/> Excellent <input checked="" type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
9	The classrooms and furniture are adequate, clean and well-maintained	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
10	The toilets are sufficient, clean and well-maintained	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
11	Support of college in sports and extracurricular activities	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
12	Organization of seminars and conferences by our college and allow students to participate in events at other colleges	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
13	College provide opportunities for you to demonstrate innovative, leadership, and communication skills during your studies	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
14	Arrangement of industrial visits and internships for students regularly by college	<input type="radio"/> Excellent <input checked="" type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
15	The curriculum include value-added courses, soft skills training, and domain-specific electives to enhance constructive learning	<input checked="" type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor

Student's feedback

FACULTY FEEDBACK FORM

Name *	S.Praveen kumar
Degree: *	Bachelor of Pharmacy
Program: *	Bachelor of Pharmacy
Designation *	ASST PROFESSOR

FACULTY FEEDBACK FORM

1	Encouragement of faculty members to participate in designing and developing the course curriculum at the university level	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
2	Freedom of faculty members to adopt new teaching techniques and strategies, such as group discussions and seminar presentations	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
3	College supports faculty members in inviting experts from academia, research institutions and industry for workshops and seminars organized by their respective departments	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
4	Examination and evaluation system used by the college effective and fair in assessing student's academic and other performances	<input type="radio"/> Excellent <input checked="" type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
5	College supports the faculty participation in national conferences, seminars, and symposia by providing academic leave and financial assistance	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
6	College offers the adequate opportunities and support for faculty members' academic growth	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
7	Faculty members feel to encouraged to express and share their opinions, ideas, and suggestions	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
8	Campus environment promotes healthy interaction of students, teachers and other stake-holders	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
9	The initiatives towards co-curricular activities helped in nurturing natural talents and achieving accolades	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
10	Institute has enabled on-line information systems which provides up to date information to students, parents, and faculty	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
11	Library facilities are good with enormous number of books, eBooks, e-Journals etc., for self-learning and research	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
12	Canteen, Mess, Dining and Hostel Facilities are adequate and hygienic	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor

Faculty Feedback

FACULTY FEEDBACK FORM

Name *	Anitha B
Degree: *	Bachelor of Pharmacy
Program: *	Bachelor of Pharmacy
Designation *	Associate professor

FACULTY FEEDBACK FORM

1	Encouragement of faculty members to participate in designing and developing the course curriculum at the university level	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
2	Freedom of faculty members to adopt new teaching techniques and strategies, such as group discussions and seminar presentations	<input type="radio"/> Excellent <input checked="" type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
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7	Faculty members feel to encouraged to express and share their opinions, ideas, and suggestions	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
8	Campus environment promotes healthy interaction of students, teachers and other stake-holders	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
9	The initiatives towards co-curricular activities helped in nurturing natural talents and achieving accolades	<input type="radio"/> Excellent <input checked="" type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
10	Institute has enabled on-line information systems which provides up to date information to students, parents, and faculty	<input type="radio"/> Excellent <input checked="" type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
11	Library facilities are good with enormous number of books, eBooks, e-Journals etc., for self-learning and research	<input type="radio"/> Excellent <input checked="" type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
12	Canteen, Mess, Dinning and Hostel Facilities are adequate and hygienic	<input type="radio"/> Excellent <input checked="" type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor

Faculty feedback

EMPLOYER FEEDBACK FORM

Name *	SONY AKKARA
Degree: *	Bachelor of Pharmacy ▼
Program: *	Bachelor of Pharmacy ▼
ORGANISATION NAME *	EASY LINK ACADEMY
DESIGNATION *	managing director
ADDRESS *	KERALA

EMPLOYER FEEDBACK FORM

1	Our graduates have Strong technical skills and domain expertise.	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
2	Our graduates have Self-learning and life-long learning capabilities	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
3	The curriculum incorporate current trends and practices within the respective disciplines	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
4	The institution ambience facilitated students to exhibit Good team spirit and leadership qualities due to the participation in co & extra-curricular activities.	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
5	The institution has given strong exposure to ICT tools and latest technologies	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
6	Our graduates have Good aptitude and problem solving skills	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
7	Our graduates collaborate with team members and undertake multidisciplinary tasks	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
8	The institution has given opportunities for students to participate in outreach activities	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
9	Overall to address to the gap between the industry and academia	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
10	Potential for generation of entrepreneur attitude	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor

Employee feedback

ALUMNI FEEDBACK FORM

Name *	A.VIJAYAKUMAR
Degree: *	Bachelor of Pharmacy
Program: *	Bachelor of Pharmacy
FEEDBACK DATE *	22/09/2024
Organization Name if working / Institution Name if studying *	APOLLO HOSPITAL ENTERPRISE LIMITED
Contact Number *	77089051093

ALUMNI FEEDBACK FORM

1	Teachers and their mentorships helped to improve academic performance and excel in co and extra- curricular activities.	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
2	Library facilities are good with enormous number of books, eBooks, e-Journals for self-learning and research.	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
3	Sports, Games and Gym facilities helped in maintaining good health and in participating in inter-institutional events.	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
4	Student's results and attendance records are transparent and communicated to students and parents through electronic communication.	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
5	Academics, co and extra-curricular facilities and ambience shape the personality in terms of values, ethics, and attitudes.	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor

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6	Institute provides career development, personality development, communication skills development, employability skills development programs and enables good placements and higher studies avenues.	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
7	The initiatives towards co-curricular activities helped in nurturing natural talents and achieving accolades.	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor
8	Value added and certification programs are incorporated in syllabus to learn new skills for employability and life-long learning.	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Poor

Alumni feedback

CRITERION1: CURRICULAR ASPECT

STUDENTS FEEDBACK - FEEDBACK ANALYSIS REPORT

SURVEY COUNT : 165

From Date mm/dd/yyyy

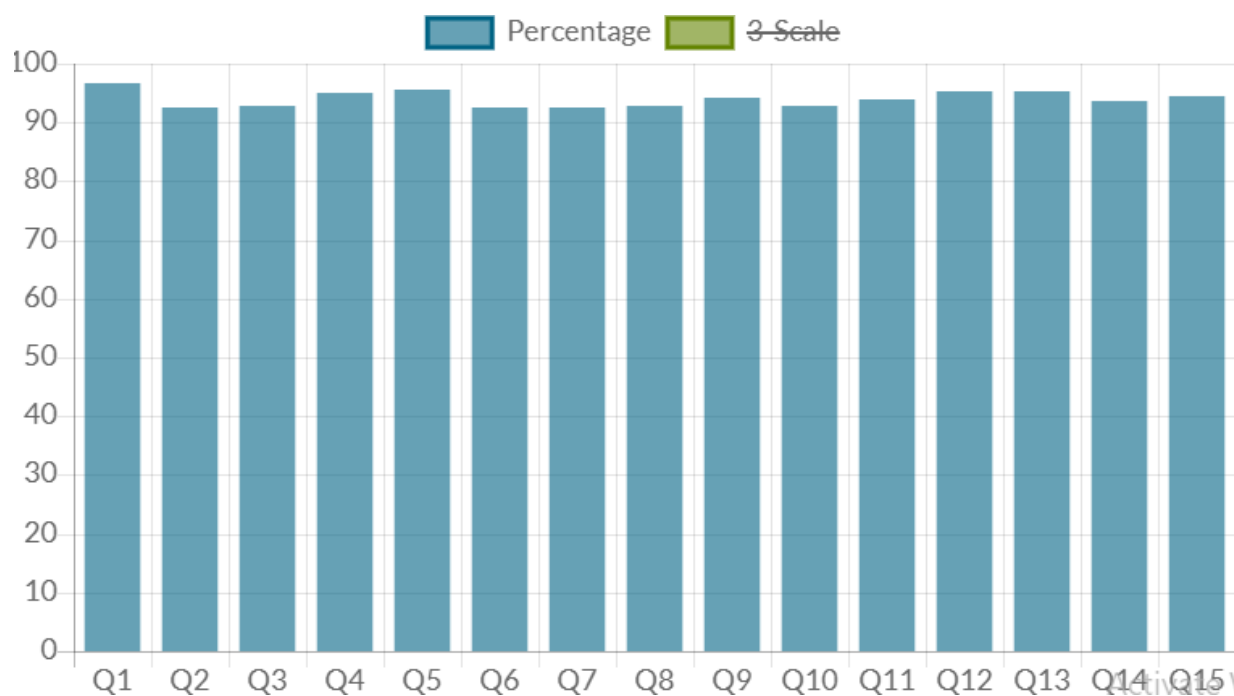
To Date mm/dd/yyyy

Chart

Export to Excel

Print

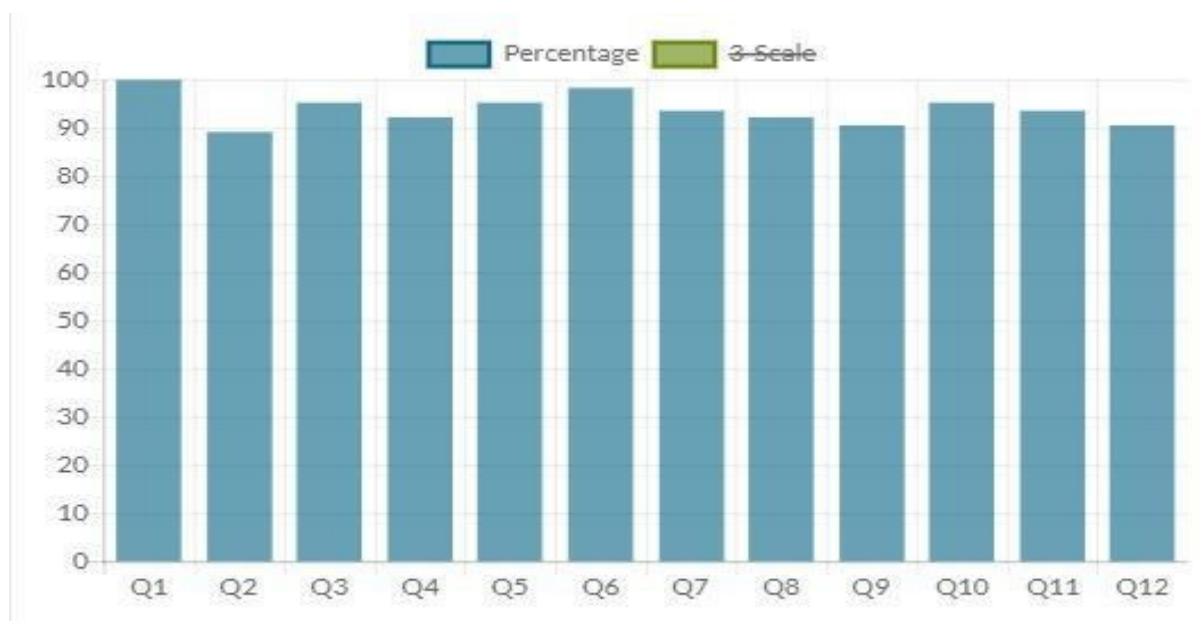
S.No	Question's	Excellent	Very Good	Good	Fair	Poor	Total Weightage	Percentage	3-Scale Weightage
1	Textbooks and reference books available in the library relevant to the syllabus	146	13	7	0	0	803	96.75%	2.90
2	The labs equipped for hands-on training and research activities adequately.	111	49	6	0	0	769	92.65%	2.78
3	Effect of grievance redressal system at our college	119	36	10	1	0	771	92.89%	2.79
4	Teachers cover the syllabus with clear explanations on all topics and helps to improve student performance	130	31	5	0	0	789	95.06%	2.85
5	Teachers clarify students doubts and take remedial measures for weak students.	134	28	3	1	0	793	95.54%	2.87
6	Convenience of Library hours and the procedures for issuing and returning books	117	36	13	0	0	768	92.53%	2.78
7	Food available in the cafeteria both healthy and tasty	116	40	9	1	0	769	92.65%	2.78
8	Curriculum provide knowledge relevant to both industrial and hospital work	112	48	6	0	0	770	92.77%	2.78
9	The classrooms and furniture are adequate, clean and well-maintained	125	34	7	0	0	782	94.22%	2.83
10	The toilets are sufficient, clean and well-maintained	117	39	10	0	0	771	92.89%	2.79
11	Support of college in sports and extracurricular activities	124	35	6	1	0	780	93.98%	2.82
12	Organization of seminars and conferences by our college and allow students to participate in events at other colleges	134	26	6	0	0	792	95.42%	2.86
13	College provide opportunities for you to demonstrate innovative, leadership, and communication skills during your studies	131	32	3	0	0	792	95.42%	2.86
14	Arrangement of industrial visits and internships for students regularly by college	118	43	5	0	0	777	93.61%	2.81
15	The curriculum include value-added courses, soft skills training, and domain-specific electives to enhance constructive learning	130	28	7	0	1	784	94.46%	2.83
AVERAGE SCORE							780.67	94.06%	2.82



Student's feedback report

CRITERION1: CURRICULAR ASPECT

FACULTY FEEDBACK FORM - FEEDBACK ANALYSIS REPORT							SURVEY COUNT : 16	
From Date		dd/mm/yyyy		To Date		dd/mm/yyyy		Chart
								Export to Excel
								Print
S.No	Question's	Excellent	Good	Fair	Poor	Total Weightage	Percentage	3-Scale Weightage
1	Encouragement of faculty members to participate in designing and developing the course curriculum at the university level	16	0	0	0	64	100.00%	3.00
2	Freedom of faculty members to adopt new teaching techniques and strategies, such as group discussions and seminar presentations	9	7	0	0	57	89.06%	2.67
3	College supports faculty members in inviting experts from academia, research institutions and industry for workshops and seminars organized by their respective departments	13	3	0	0	61	95.31%	2.86
4	Examination and evaluation system used by the college effective and fair in assessing student's academic and other performances	11	5	0	0	59	92.19%	2.77
5	College supports the faculty participation in national conferences, seminars, and symposia by providing academic leave and financial assistance	13	3	0	0	61	95.31%	2.86
6	College offers the adequate opportunities and support for faculty members' academic growth	15	1	0	0	63	98.44%	2.95
7	Faculty members feel to encouraged to express and share their opinions, ideas, and suggestions	12	4	0	0	60	93.75%	2.81
8	Campus environment promotes healthy interaction of students, teachers and other stakeholders	11	5	0	0	59	92.19%	2.77
9	The initiatives towards co-curricular activities helped in nurturing natural talents and achieving accolades	10	6	0	0	58	90.63%	2.72
10	Institute has enabled on-line information systems which provides up to date information to students, parents, and faculty	13	3	0	0	61	95.31%	2.86
11	Library facilities are good with enormous number of books, eBooks, e-Journals etc., for self-learning and research	12	4	0	0	60	93.75%	2.81
12	Canteen, Mess, Dining and Hostel Facilities are adequate and hygienic	10	6	0	0	58	90.63%	2.72
AVERAGE SCORE						60.08	93.88%	2.82



Faculty feedback report

CRITERION1: CURRICULAR ASPECT

ALUMNI FEEDBACK FORM - FEEDBACK ANALYSIS REPORT

SURVEY COUNT : 58

From Date

dd-mm-yyyy

To Date

dd-mm-yyyy

Chart

Export to Excel

Print

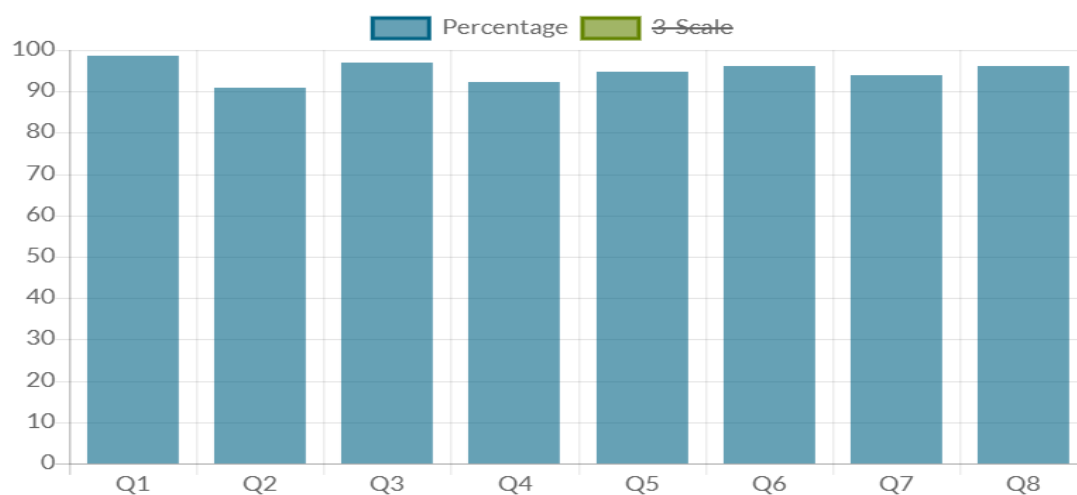
S.No	Question's	Excellent	Good	Fair	Poor	Total Weightage	Percentage	3-Scale Weightage
1	Teachers and their mentorships helped to improve academic performance and excel in co and extra- curricular activities.	55	3	0	0	229	98.71%	2.96
2	Library facilities are good with enormous number of books, eBooks, e-Journals for self-learning and research.	37	21	0	0	211	90.95%	2.73
3	Sports, Games and Gym facilities helped in maintaining good health and in participating in inter-institutional events.	51	7	0	0	225	96.98%	2.91
4	Student's results and attendance records are transparent and communicated to students and parents through electronic communication.	40	18	0	0	214	92.24%	2.77
5	Academics, co and extra-curricular facilities and ambience shape the personality in terms of values, ethics, and attitudes.	47	10	1	0	220	94.83%	2.84
6	Institute provides career development, personality development, communication skills development, employability skills development programs and enables good placements and higher studies avenues.	49	9	0	0	223	96.12%	2.88
7	The initiatives towards co-curricular activities helped in nurturing natural talents and achieving accolades.	45	12	1	0	218	93.97%	2.82
8	Value added and certification programs are incorporated in syllabus to learn new skills for employability and life-long learning.	49	9	0	0	223	96.12%	2.88
AVERAGE SCORE						220.38	94.99%	2.85

Activate Windows

ALUMNI FEEDBACK FORM- Charts

X

From : 09/17/2024 , To : 09/25/2024



Alumni feedback report

CRITERION1: CURRICULAR ASPECT

EMPLOYER FEEDBACK FORM - FEEDBACK ANALYSIS REPORT

SURVEY COUNT : 11

From Date mm/dd/yyyy

To Date mm/dd/yyyy

Chart

Export to Excel

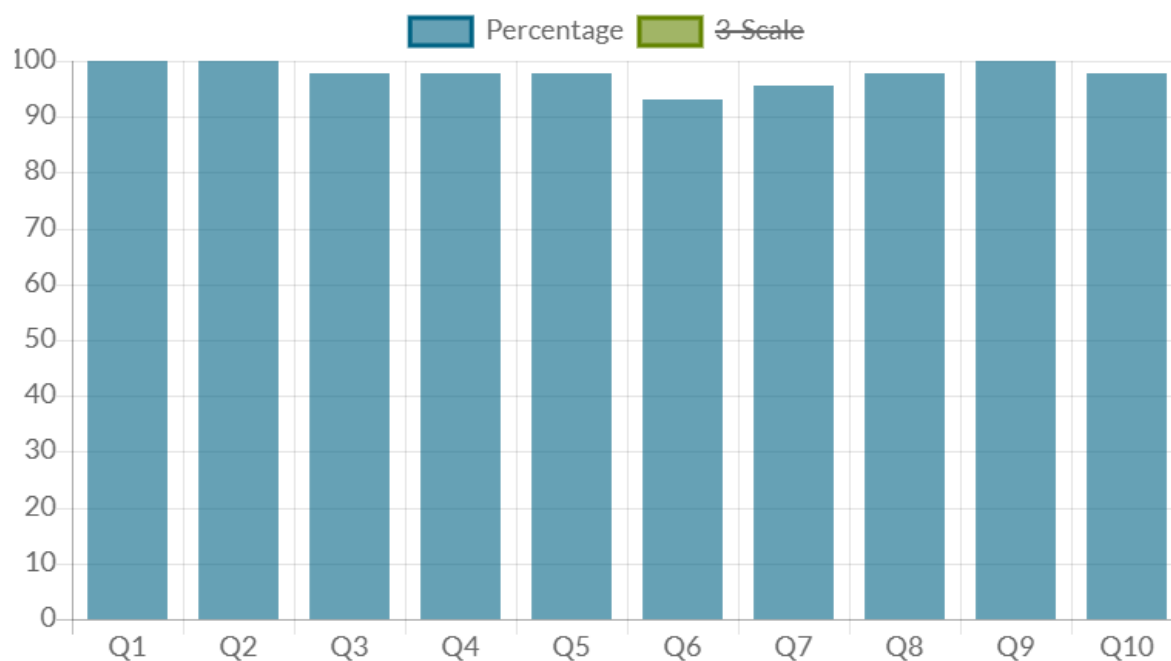
Print

S.No	Question's	Excellent	Good	Fair	Poor	Total Weightage	Percentage	3-Scale Weightage
1	Our graduates have Strong technical skills and domain expertise.	11	0	0	0	44	100.00%	3.00
2	Our graduates have Self-learning and life-long learning capabilities	11	0	0	0	44	100.00%	3.00
3	The curriculum incorporate current trends and practices within the respective disciplines	10	1	0	0	43	97.73%	2.93
4	The institution ambience facilitated students to exhibit Good team spirit and leadership qualities due to the participation in co & extra-curricular activities.	10	1	0	0	43	97.73%	2.93
5	The institution has given strong exposure to ICT tools and latest technologies	10	1	0	0	43	97.73%	2.93
6	Our graduates have Good aptitude and problem solving skills	8	3	0	0	41	93.18%	2.80
7	Our graduates collaborate with team members and undertake multidisciplinary tasks	9	2	0	0	42	95.45%	2.86
8	The institution has given opportunities for students to participate in outreach activities	10	1	0	0	43	97.73%	2.93
9	Overall to address to the gap between the industry and academia	11	0	0	0	44	100.00%	3.00
10	Potential for generation of entrepreneur attitude	10	1	0	0	43	97.73%	2.93
AVERAGE SCORE						43.00	97.73%	2.93

EMPLOYER FEEDBACK FORM- Charts

X

From : 09/23/2024 , To : 09/26/2024



Employee feedback report