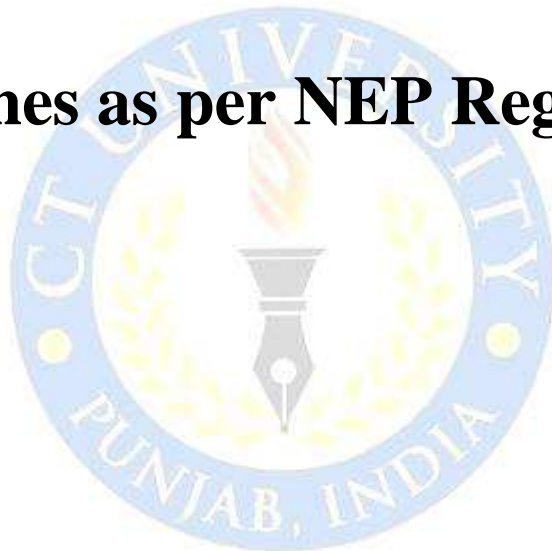


Curriculum-2024

**As Per UGC Regulated National
Credit Framework-2024**

(Guidelines as per NEP Regulations)



**School of Health Sciences
Department of Anaesthesia and
Operation Theatre Technology**



CT University, Ferozpur Road, Sidhwan Khurd, Punjab, India- 142024

SCHOOL OF HEALTH SCIENCES

Department of Anaesthesia and Operation Theatre Technology BACHELOR OF SCIENCE (ANAESTHESIA TECHNOLOGY HONOURS)

PROGRAM CODE: 30SHSUH04

1. Vision

The vision of School of Health Sciences is to be known globally as a School of Excellence that provides transformative educational experience, creating positive societal impact through establishment of global centers of higher learning in emerging healthcare areas in pursuit of academic excellence, innovation and entrepreneurship by constant endeavours.

2. Mission

- To build a cutting-edge center for excellent learning, research, and innovation.
- Including modern standards in learning, teaching and research.
- To instill in the pupils the virtues of honesty and kindness towards the treatment of patients and society.
- To foster critical thinking amongst students and instilling in them the values, skills and attitude to become lifelong learners and efficient problem solvers.
- To create an environment for holistic development of learners by strengthening student centric welfare activities in pursuit of building socially responsible citizens.

3. Objective

School of Health Sciences, CT University offers 4 years Bachelor of Anaesthesia Technology Programme. It provides rigorous foundations of core Healthcare Science; combination of theoretical core concepts with practical training of Anaesthesia Technology to make students industry ready. The curriculum includes professional training and certification offered by top leading industry. Objective of this programme is to compete with well-established academic institutions in India and abroad.

4. Programme Duration

The Anaesthesia Technology Programme is intended to be completed in four years duration full-time. Each year of study at School of Health Sciences, CT University is divided into two semesters which have 27 lecture weeks, 1 make up week, 1 reading and revision week, and 1 examinations week. The fall semester will start from August and end in December. The winter semester will start from February and end in June.

5. Curriculum design

Being a course centred on Anaesthesia Board of Studies recommends that the Discipline Core Elective courses, specialization courses may be selected from a variety of electives. It follows OBE of Ministry of Health & Family Welfare Model Curriculum of the instructions.

The courses of the programmes will be delivered in the following 4 modes.

- (i) Theoretical Lecture (L) (With or without Tutorial (T))
- (ii) Theoretical Lecture + Practical (L+P)
- (iii) Practical (P)
- (iv) Project (PJ)/ Summer Internship

The CBCS provides choice for students to select from the prescribed courses (core, elective or soft skill courses). Students can learn at their own pace, choose electives from a wide range of courses, undergo additional courses and acquire more than required number of credits. Students can adopt an interdisciplinary approach in learning, and Inter college/University transfer of Credits.

The curriculum has been designed with prescribed courses comprising core Anaesthesia subjects along with Anatomy and Physiology, Applied Pharmacology and Open Electives, Core Electives, and Non-Teaching courses. It also has been designed keeping in mind the regulatory aspects of, the OBE Model Curriculum. A judicious mix of subjects with classroom-based learning and beyond-classroom learning is included. The curriculum has been designed after a review of best practices and curricula of other universities in the peer group.

6. Credits Structure / Lecture Hours

The credit structure is defined as Lecture (L), Tutorial (T), Practical, Credit Structure (L: T:P: C) strictly following UGC Regulations. For theory and tutorial classes: 1 credit is equivalent to 15 contact hours. A theory subject with 4 credits will be taught for (54-60) lecture hours in a semester and a theory subject with 3 credits will be taught for (39-45) lecture periods in the semester. Laboratory/fieldwork/workshops/project work/ Summer Internships and allied activities will have 2 hours per credit which is equivalent to 24 contact hours.

The courses have been designed to ensure that every student gains a sufficient grounding in the area of the core and emerging technologies, which will create value for students to build an area of specialization and scholarship. The elective courses offered at SHS will provide an opportunity for students to choose courses through elective bidding and develop specialized knowledge in specialized domains/particular interests.

7. Examinations

All students are expected to secure 100% attendance by attending the classes during working hours. However, the minimum attendance required for appearing in the university examinations is 75% as per the regulations of MoHFW.

Internal assessments will constitute 40% of the final score which includes 5% of attendance. It will be continuous assessments in the form of assignment, quiz, class presentations, writing research articles, paper presentations, case analysis, poster making, and debates among others. External assessment will constitute 60% of the final score. The external exam would consist of an end term examination where questions would be from across the syllabus. External Examination may also be conducted as open book type depending upon the requirements.

There is a one-year internship in the B.Sc. Anaesthesia Technology Programme (Hons.) which is compulsory. Evaluation of these internships will be taken up by the school during the following semester (during the 7th and 8th Semesters). The maximum marks for internship are 500 and it is evaluated based on the report of Hospital organization where student is doing internship (100 Mark), a final presentation+ viva by Internal Examination (100 Mark) and a final presentation + viva by External Examination (300 Mark) before the school committee.

8. Programme Educational Objectives (PEOs)

Sr. No.	PEO Statement
1	To prepare graduates with understanding the fundamentals of discipline, professionalism, ethics, layout and equipment's in operation theatre which includes preparing and maintaining operation theatre & equipment's used in Anaesthesia.
2	Students will understand the role and scope of the Anaesthesia Technology in the healthcare setting with respect to preoperative and postoperative care of the patient.
3	To impart knowledge and practical training required to operate and maintain all the equipments used in the concerned specialization.
4	To produce graduates who will be able to perform routine as well as special investigative procedures in the concerned paramedical specialty.
5	To enable to communicate and interact effectively with non-clinical and clinical persons in various healthcare environments.

9. Programme outcomes (POs)

Sr. No.	PO Statement
1	Able to help the Anaesthesiologist in administering Anaesthesia, assist in various procedures and also help in continuous monitoring of patients during surgery.
2	To prepare skilled paramedical human resources for all levels of the healthcare delivery system from primary to tertiary care level.
3	Able to assist Anaesthesiologists in developing and making patient Anaesthesia care plans, including pre-operative, surgical Theatre, recovery room, and post-operative intensive care procedures.
4	Able to do patient data collection, catheter insertion, airway management, assisting the administration and monitoring of regional and peripheral nerve blockades, support

	therapy, adjusting anaesthetic levels during surgery, inter-operative monitoring, postoperative procedures, pain clinics and patient education, and administrative tasks.
5	To train the students to carry out necessary procedures accurately and to facilitate proper diagnosis and prognosis of diseases.
6	To enable to operate and maintain all types of equipment used in the concerned specialization.
7	To make capable to support advanced testing activities and Research.
8	To enable to work as Supervisor/Trainer/Teacher in the field of Paramedical sciences.
9	To be able to present oneself in an ethical and professional manner.
10	To equip the paramedical staff with modern skills and knowledge to bring them at par with other national and international standards.

10. Programme Specifics Outcomes (PSO's)

PSO1: The Course prepares the Anaesthesia Technologist to work as a competent, reliable member of the health care team under the guidance and supervision of doctors in the delivery of patient care, training also focuses on the knowledge and skills of monitoring infection control policy and procedures in the operating theatre.

PSO2: Expertise in Assisting the Anaesthesiologists with all procedures in the conduct of anaesthesia.

PSO3: Expertise in Handling and maintaining all equipment and monitors used in anaesthesia.

PSO4: Detailed knowledge in Handling all medications used in anaesthesia.

11. Program Validation

The B.Sc. Anaesthesia Technology Programme (Hons.) is duly validated by the participants, alumni, industry, academic experts and other stake holders. For this purpose, School of Health Sciences has created detailed student feedback mechanism which includes programme outcome, programme specific outcome feedback. For alumni validation our school runs robust alumni engagement program through which program validation is sought periodically. In order to seek validation from stake holders, School of Health Sciences takes help through BOS and Academic Advisory Board.

12. Program Architecture / Course Category

The Bachelor of Science Anaesthesia Technology Hons. at CT University offers a comprehensive curriculum that combines core Operation theatre subjects with a range of other courses to cater to the industry requirements for various solutions.

To enhance practical learning, the program incorporates blended teaching pedagogies that combine traditional classroom instruction with hands-on projects, case studies, industry visits, summer internships, and the opportunity to earn industry certifications. This approach ensures that students gain both theoretical knowledge and practical experience, making them industry-ready upon graduation.

13. Career Outcome

Different Job profiles after Bachelor of Science (Honours) are

1. Anaesthesiologist Assistant
2. Junior/Senior Anaesthesia Technician
3. Clinical Associate
4. Chief Anaesthesia Officer
5. Chief Anaesthesia cum Operation Theatre Manager
6. Anaesthesia Technologist Supervisor
7. Research and Development after Post Graduation





CT University, Ferozpur Road, Sidhwan Khurd, Punjab, India- 142024

School of Health Sciences Department of Anaesthesia and Operation Theatre Technology

CURRICULUM & SYLLABUS

FOR

**BACHELOR OF SCIENCE (Anaesthesia Technology Honours)
(Programme Code- 30SHSUH04)**

Regulations 2024

As per NEP - 2020

July - 2024

BACHELOR OF SCIENCE (ANAESTHESIA TECHNOLOGY HONOURS)

(PROGRAM CODE: 30SHSUH04)

Regulations 2024

CURRICULUM

SEMESTER I												
COURSE					Credit Structure & Total Hours					Evaluation Scheme		
Sr. No.	Course Code	Course Title	Course Type	Nature	L	T	P	C	Hrs./Week	IA	ET	Total
1	24BAT011C01	Basic Anatomy and Physiology	CORE	DSC	4	0	0	4	4	40	60	100
2	24BAT011C02	Basic Anatomy and Physiology Laboratory	CORE	DSC	0	0	2	1	2	60	40	100
3	24BAT011C03	Introduction to Healthcare Delivery System in India	CORE	DSC	3	0	0	3	3	40	60	100
4	24SHS11CC1	Introduction to Quality and Patient safety	ELECTIVE	DSE	2	0	0	2	2	40	60	100
5	24BAT011C04	Medical Terminology and Record Keeping (including anatomical terms)	CORE	DSC	2	0	0	2	2	40	60	100
6	24SOMS0MD C3	Principals of Management-I	ELECTIVE	DSE	2	0	0	2	2	40	60	100
7	24AGNS0VAC 1	Environmental Studies	ELECTIVE	VAC	2	0	0	2	2	40	60	100
8	24ENGL0AEC 1	Communicative English I	ELECTIVE	AEC	2	1	0	3	3	40	60	100
Total					17	1	2	19	20			

SEMESTER II												
COURSE					Credit Structure & Total Hours					Evaluation Scheme		
Sr. No.	Course Code	Course Title	Course Type	Nature	L	T	P	C	Hrs. / Week	IA	ET	Total
1	24BAT012C01	Biochemistry	CORE	DSC	3	0	0	3	3	40	60	100
2	24BAT012C02	Biochemistry Laboratory	CORE	DSC	0	0	2	1	2	60	40	100
3	24BAT012C03	Fundamentals of Anaesthesia Technology	CORE	DSC	4	0	0	4	4	40	60	100
4	24BAT012C04	Fundamentals of Anaesthesia Technology Laboratory	CORE	DSC	0	0	2	1	2	60	40	100
5	24SOMS0MDC4	Principles of Management -II	ELECTIVE	DSE	3	0	0	3	3	40	60	100
6	24SHS012CC1	Medical Ethics and legal Aspects	ELECTIVE	DSE	2	0	0	2	2	40	60	100
7	24ENGL0AEC2	Communicative English II	ELECTIVE	AEC	2	1	0	3	3	40	60	100
8	24SOET0MDC1	MS Suite Skills	ELECTIVE	MDC	2	0	2	3	4	40	60	100
Total					16	1	6	20	23			

SEMESTER III												
COURSE					Credit Structure & Total Hours					Evaluation Scheme		
Sr. No.	Course Code	Course Title	Course Type	Nature	L	T	P	C	Hrs. / Week	IA	ET	Total
1	24BAT023C01	Pathology	CORE	DSC	3	0	0	3	3	40	60	100
2	24BAT023C02	Pathology Laboratory	CORE	DSC	0	0	2	1	2	60	40	100
3	24BAT023C03	Applied Anatomy & Physiology	CORE	DSC	4	0	0	4	4	40	60	100
4	24BAT023C04	Principles of Anaesthesia - I	CORE	DSC	4	0	0	4	4	40	60	100
5	24BAT023C05	Anaesthesia Equipment	CORE	DSC	4	0	0	4	4	40	60	100

		and Technology										
6	24BAT023C06	Anaesthesia Equipment and Technology Laboratory	CORE	DSC	0	0	2	1	2	60	40	100
7	24SHS0VAC1	Indian Perspectives on Health and Lifestyle Management	ELECTIVE	IKS	1	0	2	2	3	60	40	100
8	24BAT023C07	Summer Internship	ELECTIVE	INT	0	0	0	4	0	60	40	100
9	24UHVU0SEC3	Universal Human Values	ELECTIVE	SEC	1	1	0	2	2	40	60	100
10	24SOPEOVAC01	Yogic Science	ELECTIVE	VAC	1	0	2	2	3	60	40	100
11		DISCIPLINE ELECTIVE	ELECTIVE	DSE	3	0	0	3	3	40	60	100
Total					21	1	8	30	30			

- **Summer Internship – Duration 30 days.**

Electives Basket - (Students will select elective courses from each basket)

(Uniformly Will Have L-T-P-C structure of 3-0-0-3/2-0-2-3)

Basket – I												
Departmental Elective-I												
Sr.no	Course Code	Course Title	Course Type	Nature	L	T	P	C	Hrs	IA	ET	Tot.
1	24BAT023E01	FIRST AID	ELECTIVE	DSE	3	0	0	3	3	40	60	100
2	24BAT023E02	BIOMEDICAL WASTE MANAGEMENT	ELECTIVE	DSE	3	0	0	3	3	40	60	100

SEMESTER IV												
COURSE					Credit Structure & Total Hours					Evaluation Scheme		
Sr. No.	Course Code	Course Title	Course Type	Nature	L	T	P	C	Hrs. / Week	IA	ET	Tot.

1	24BAT024C01	Applied Pharmacology	CORE	DSC	4	0	0	4	4	40	60	100
2	24BAT024C02	Applied Pharmacology Laboratory	CORE	DSC	0	0	2	2	2	60	40	100
3	24BAT024C03	Clinical Microbiology	CORE	DSC	3	0	0	3	3	40	60	100
4	24BAT024C04	Clinical Microbiology Laboratory	CORE	DSC	0	0	2	1	2	60	40	100
5	24BAT024C05	Principles of Anaesthesia - II	CORE	DSC	4	0	0	4	4	40	60	100
6	24BAT024C06	Principles of anaesthesia - II Laboratory	CORE	DSC	0	0	2	1	2	60	40	100
7	24BAT024C07	Regional Anaesthesia	CORE	DSC	4	0	0	4	4	40	60	100
8	24BAT024C08	Regional Anaesthesia Laboratory	CORE	DSC	0	0	2	1	2	60	40	100
9	24BAT024C09	Haematology & Blood Bank	CORE	DSC	3	0	0	3	3	40	60	100
10	24PSUG0SEC1	Professional Skills	ELECTIVE	SEC	1	0	2	2	3	40	60	100
11	24SOL0MDC03	Intellectual Property Rights	ELECTIVE	MDC	3	0	0	3	3	40	60	100
Total					22	0	10	28	32			

SEMESTER V												
COURSE			Course Type	Nature	Credit Structure & Total Hours					Evaluation Scheme		
Sr. No.	Course Code	Course Title			L	T	P	C	Hrs. / Week	IA	ET	Tot.
1.	24BAT035C01	CSSD Procedures & Manifold	CORE	DSC	4	0	0	4	4	40	60	100
2.	24BAT035C02	CSSD Procedures Manifold Laboratory	CORE	DSC	0	0	2	1	2	60	40	100
3.	24BAT035C03	Medicine Outlines	CORE	DSC	4	0	0	4	4	40	60	100

4.	24BAT035C04	Advance Anaesthetic Techniques	CORE	DSC	4	0	0	4	4	40	60	100
5.	24BAT035C05	Advance Anaesthetic Techniques Laboratory	CORE	DSC	0	0	2	1	2	60	40	100
6.	24BAT035C06	Specialized surgery and Anaesthesia I	CORE	DSC	4	0	0	4	4	40	60	100
7.	24BAT035C07	Specialized surgery and Anaesthesia - I Laboratory	CORE	DSC	0	0	2	1	2	60	40	100
8.	24SOPS0VAC1	Nutraceutical & Dietetics	ELECTIVE	VAC	2	0	0	2	2	40	60	100
9.	24BAT035C08	Summer Internship	ELECTIVE	INT	0	0	0	4	0	60	40	100
10.	24LMSU0SEC2	Leadership and Management Skills	ELECTIVE	SEC	1	0	2	2	3	40	60	100
Total					19	0	8	27	27			

SEMESTER VI												
COURSE			Course Type	Nature	Credit Structure & Total Hours					Evaluation Scheme		
Sr. No.	Course Code	Course Title			L	T	P	C	Hrs. / Week	IA	ET	Total
1	24BAT036C01	Specialized surgery and Anaesthesia - II	CORE	DSC	4	0	0	4	4	40	60	100
2	24BAT036C02	Specialized surgery and Anaesthesia - II Laboratory	CORE	DSC	0	0	2	1	2	60	40	100
3	24BAT036C03	Basic Intensive care	CORE	DSC	4	0	0	4	4	40	60	100
4	24BAT036C04	Basic Intensive care Laboratory	CORE	DSC	0	0	2	1	2	60	40	100
5	24SOMS0MDC2	Research Methodology	ELECTIVE	MDC	2	0	2	3	4	40	60	100
6	24ASUG0SEC5	Analytical Skills I	ELECTIVE	SEC	1	1	0	2	2	40	60	100

7	24BAT036C06	Innovation and Entrepreneurship	ELECTIVE	DSE	2	0	0	2	2	40	60	100
8.	24CRAF0AEC1	Current Affairs	ELECTIVE	DSE	1	0	0	1	1			
Total					14	1	6	18	21			

SEMESTER VII													
COURSE					Credit Structure & Total Hours					Evaluation Scheme			
Sr. No.	Course Code	Course Title	Course Type	Nature	L	T	P	C	Hrs. / Week	IA	ET	Total	
1	24BAT047C01	Training Assessment by Hospital	CORE	INT	0	0	7	2	5	30	10	-	
		Internal Assessment									10	-	
		External Assessment										30	
Total							7	2	5	30	20	30	500

SEMESTER VIII													
COURSE					Credit Structure & Total Hours					Evaluation Scheme			
Sr. No.	Course Code	Course Title	Course Type	Nature	L	T	P	C	Hrs. / Week	IA	ET	Total	
1	24BAT048C01	Training Assessment by Hospital	CORE	INT	0	0	7	2	5	30	10	-	
		Internal Assessment									10	-	
		External Assessment										30	
Total							7	2	5	30	20	30	500

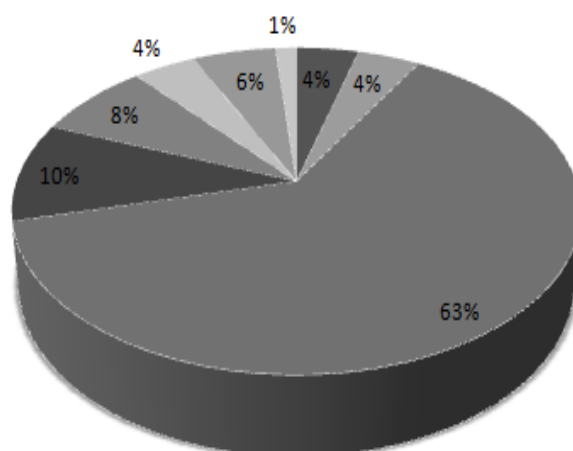
Credit Distribution Statistics

Semester	I	II	III	IV	V	VI	VII	VIII	Total
Courses	8	8	11	11	10	8	1	1	58
Lecture (L)	17	16	21	22	19	14	-	-	109
Tutorial (T)	1	1	1	0	0	1	-	-	4
Practical (P)	2	6	8	10	8	6	720	720	1480
Credits	19	20	30	28	27	18	25	25	192
Hours	20	23	30	32	27	21	720	720	1593

S. No.	Course Type	Description	No. of Courses	No. of Credits
1	AEC	Ability Enhancement Compulsory Courses	2	6
2	SEC	Skill Enhancement Courses	4	6
3	DSC	Discipline-Specific Core Courses	34	89
4	DSE	Discipline-Specific Elective Courses	6	14
5	MDC	Multidisciplinary Courses	3	11
6	VAC	Value Added Courses	3	6
7	INT	Summer Internship	2	8
8	IKS	Indian Knowledge System	1	2
Total			58	192

Credit Distribution Percentage

- 1 AEC Ability Enhancement Compulsory Courses
- 2 SEC Skill Enhancement Courses
- 3 DSC Discipline-Specific Core Courses
- 4 DSE Discipline-Specific Elective Courses
- 5 MDC Multidisciplinary Courses
- 6 VAC Value Added Courses
- 7 INT Summer Internship
- 8 IKS Indian Knowledge System



Course outcomes (COs) and Program Outcome Mapping

CO/PO Mapping

(S/M/W indicates strength of correlation)

S-Strong, M-Medium, L-Low

Semester-I

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
24BAT011C01	S	M	M	S	M	M	L	L	L	M	S	S	M	M
24BAT011C02	S	M	M	S	M	M	L	L	L	M	S	S	M	M
24BAT011C03	L	S	M	L	M	L	S	M	M	S	M	S	L	L
24SHS11CC1	M	L	L	M	S	M	M	S	S	S	S	M	L	L
24BAT011C04	S	S	S	M	M	L	L	M	L	M	S	S	M	M
24SOMS0MDC3	L	L	M	M	S	M	M	S	S	S	L	M	L	L
24AGNS0VAC1	M	L	L	M	L	S	L	M	S	M	L	L	S	L
24ENGL0AEC1	L	M	L	L	L	L	M	M	S	S	L	L	L	S

Semester-II

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
24BAT012C01	S	M	M	S	M	M	L	L	L	M	S	S	M	M
24BAT012C02	S	M	M	S	M	M	L	L	L	M	S	S	M	M
24BAT012C03	S	S	S	S	S	M	M	M	L	M	S	S	S	S
24BAT012C04	S	S	S	S	S	M	M	M	L	M	S	S	S	S
24SOMS0MDC4	L	L	M	M	S	M	M	S	S	S	L	M	L	L
24SHS012CC1	M	L	L	M	S	M	M	S	S	S	S	M	L	L
24ENGL0AEC2	L	M	L	L	L	L	M	M	S	S	L	L	L	S
24SOET0MDC1	M	L	L	M	L	L	L	M	S	M	L	L	S	L

Semester-III

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
24BAT023C01	S	M	M	S	S	M	L	L	L	M	S	S	M	M
24BAT023C02	S	M	M	S	S	M	L	L	L	M	S	S	M	M
24BAT023C03	S	S	S	S	S	M	M	M	M	S	S	S	S	S
24BAT023C04	S	S	S	S	S	M	M	M	M	S	S	S	S	S
24BAT023C05	S	M	M	S	S	S	L	L	M	S	S	S	S	S
24BAT023C06	S	M	M	S	S	S	L	L	M	S	S	S	S	S
24SHS0VAC1	L	M	L	L	L	L	L	S	S	S	L	L	L	S
24BAT023C07	S	S	S	S	S	S	M	M	M	S	S	S	S	S
24UHVU0SEC3	L	L	L	L	L	L	M	S	S	S	L	L	L	S
24SOPEOVAC01	L	L	L	L	L	L	M	S	S	S	L	L	L	S
24BAT023E01	S	M	M	S	S	M	L	L	L	M	S	S	M	M
24BAT023E02	S	S	S	S	S	S	L	L	L	S	S	S	M	M

Semester-IV

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
24BAT024C01	S	M	M	S	S	M	L	L	L	M	S	S	M	S
24BAT024C02	S	M	M	S	S	M	L	L	L	M	S	S	M	S
24BAT024C03	S	M	M	S	S	M	L	L	L	M	S	S	M	S
24BAT024C04	S	M	M	S	S	M	L	L	L	M	S	S	M	S
24BAT024C05	S	S	S	S	S	M	M	M	M	S	S	S	S	S
24BAT024C06	S	S	S	S	S	M	M	M	M	S	S	S	S	S
24BAT024C07	S	S	S	S	S	M	M	M	M	S	S	S	S	S
24BAT024C08	S	S	S	S	S	M	M	M	M	S	S	S	S	S
24BAT024C09	S	S	S	S	S	M	M	M	M	S	S	S	S	S

24PSUG0SEC1	L	M	L	L	L	L	M	S	S	S	L	L	L	S
24SOL0MDC03	L	L	L	L	L	L	M	S	S	S	L	L	L	S

Semester-V

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
24BAT035C01	S	M	M	M	S	S	M	L	L	M	S	M	S	M
24BAT035C02	S	M	M	M	S	S	M	L	L	M	S	M	S	M
24BAT035C03	S	S	S	S	M	M	L	L	L	M	S	M	S	M
24BAT035C04	S	S	S	S	M	S	M	M	L	S	S	S	S	S
24BAT035C05	S	S	S	S	M	S	M	M	L	S	S	S	S	S
24BAT035C06	S	S	S	S	M	S	M	M	L	S	S	S	S	S
24BAT035C07	S	S	S	S	M	S	M	M	L	S	S	S	S	S
24SOPS0VAC1	L	M	L	L	L	L	M	S	S	S	L	L	L	S
24BAT035C08	S	S	S	S	M	S	M	M	L	S	S	S	S	S
24LMSU0SEC2	L	L	L	L	L	L	M	S	S	S	L	L	L	S

Semester-VI

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
24BAT036C01	S	S	S	S	M	S	M	M	L	S	S	S	M	S
24BAT036C02	S	S	S	S	M	S	M	M	L	S	S	S	M	S
24BAT036C03	S	S	S	S	M	S	M	M	L	S	S	S	M	S
24BAT036C04	S	S	S	S	M	S	M	M	L	S	S	S	M	S
24SOMS0MDC2	L	M	M	M	L	L	S	L	M	L	M	S	L	M
24ASUG0SEC5	L	M	M	L	L	L	S	L	L	L	L	S	L	L
24BAT036C06	L	M	M	L	L	L	S	L	L	L	L	S	L	L
24CRAF0AEC1	L	L	L	L	L	L	L	S	L	L	L	L	S	L

Semester- VIII

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
24BAT047C01	S	M	S	M	M	S	S	S	S	S	S	S	S	S

Semester- VIII

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
24BAT048C01	S	M	S	M	M	S	S	S	S	S	S	S	S	S

Prepared By	Ms. Shivakshi
Verified By	
Date of Approval of Board of Studies	

Forwarded to the Registrar for Approval of Academic Council.

Professor & Dean

Date of Academic Council	
Approval of the Registrar	

Registrar