PROGRAM NAME: BACHELOR IN PHARMACY (B. PHARMACY)

Vision and mission statement

In line with the vision of the founder of the college, Shree Dhanvantary Pharmacy College has always stood for peaceful co-existence, academic excellence and scientific temper. The vision and Mission of the institute are as under:

Vision Statement

- 1. Shree Dhanvantary Pharmacy College will lead the way toward effective global health care by developing innovative teaching practices, advancing research and practice, and merging true entrepreneurial spirit with care and compassion.
- 2. We are committed to build quality professionals to contribute to profession and to bring about social transformation.

Mission Statement

- The Shree Dhanvantary Pharmacy College fosters a learning-centered, research
 oriented educational environment that encourages individuals to make positive lifelong
 contributions to global health. We prepare professional degree students to provide
 compassionate pharmacist-delivered patient care, and inspire our students through
 innovative problem-based learning, rich experiential curricula, and inter-professional
 collaboration.
- 2. We foster a community of scholars who will further the body of knowledge in pharmaceutical, biomedical, and clinical sciences.
- 3. We strive to improve quality of life locally, nationally, and globally.

1. Statements of PEOs, POs AND PSOs

1.1 Program Educational Objectives (PEOs):

The four Program Educational Outcomes are stated and justified in relation to vision and mission statement. Selection of our Program Educational Objectives is found to be in high consistency with our Mission Statements. The outcome of this alignment helps



to produce theoretically and practically competent pharmacists in terms of domain knowledge, research motivation and competency, continuous learning capabilities and high ethical standards.

	Program Educational Outcome				
		Graduates of the program will be having strong			
		theoretical background along with necessary skill set			
		in pharmaceutical sciences and able to use these tools			
		in			
PEO1	Knowledge	Pharmaceutical industry, hospitals and institutes or			
		where ever in the area of profession they			
		choose necessary for success. To prepare graduates			
		with a solid foundation in pharmacy for a			
		successful career in Pharmaceutical field.			
		To provide students with a solid foundation in			
		Pharmaceutics, Pharmaceutical Chemistry,			
DEO2	Core Competence	Pharmacology and Pharmacognosy fundamentals as			
PEO2		per the requirement of Pharmaceutical Industries,			
		Community and Hospital Pharmacy. The Program			
		aims to make students competent for future.			
		To prepare graduates to become effective			
PEO3	Research and	researchers/collaborators / innovators in efforts to			
PEUS	Innovations	address social, technical and pharmacy			
		challenges.			
		The philosophy of the institute is to prepare students to			
		excel in postgraduate programmes and also to succeed			
		in Pharmaceutical industry or in the profession			
PEO4	Quality Education	wherever the student chose through innovative			
FEU4	Quanty Education	teaching methodologies that engage students			
		in self learning. To equip graduates with integrity and			
		ethical values so that they become			
		responsible pharmacist.			

Consistency of PEOs with Mission of the Institute

MISSION PEO		Mission 1 Innovative problem based learning	Mission 2 Knowledgeable scholars	Mission 3 Improve quality of life
PEO1	Knowledge	3	2	3
PEO2	Core Competence	3	2	3
PEO3	Research and Innovations	2	2	3
PEO4	Quality Education	2	2	3

1.2 Program Outcomes (PO)

	Program Outcomes (Pharmacy)			
PO1	Pharmacy Knowledge	Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioral, social, and administrative pharmacy sciences; and manufacturing practices		
PO2	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.
		Utilize the principles of scientific enquiry, thinking
		analytically, clearly and critically, while solving
PO3	Problem analysis	problems and making decisions during daily practice.
		Find, analyze, evaluate and apply information
		systematically and shall make defensible decisions.
		Learn, select, and apply appropriate methods and
PO4	Modern tool usego	procedures, resources, and modern pharmacy-related
104	Modern tool usage	computing tools with an understanding of the
		limitations
		Understand and consider the human reaction to
		change, motivation issues, leadership and team-
	Leadership skills	building when planning changes required for
PO5		fulfillment of practice, Professional and societal
103		responsibilities. Assume participatory roles as
		responsible citizens or leadership roles when
		appropriate to facilitate improvement in health and
		wellbeing
		Understand, analyze and communicate the value of
		their professional roles in society (e.g. health care
PO6	Professional Identity	professionals, promoters of health, educators,
		managers,
		employers, employees).
		Honour personal values and apply ethical principles in
		professional and social contexts. Demonstrate behavior
		that recognizes cultural and personal variability in
PO7	Pharmaceutical Ethics.	values, communication and lifestyles. Use ethical
		frameworks; apply ethical principles while making
		decisions and take responsibility for the outcomes
		associated with the decisions
PO8	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.		
		Apply reasoning informed by the contextual		
PO9	The Pharmacist and	knowledge to assess societal, health, safety and legal		
PO9	society	issues and the consequent responsibilities relevant to		
		the professional pharmacy practice.		
		Understand the impact of the professional pharmacy		
DO 10	Environment and	solutions in societal and environmental contexts, and		
PO10	sustainability	demonstrate the knowledge of, and need for		
		sustainable development.		
		Recognize the need for, and have the preparation and		
		ability to engage in Independent and life-long learning		
DO11	Life langles wing	in the broadest context of technological change. Self-		
PO11	Life-long learning	access and use feedback effectively from others to		
		identify learning needs and to satisfy these needs on		
		an ongoing basis.		

1.3 Program Specific Outcome (PSO)

The graduate of PG department will attain the following PSO

	Program Specific Outcome (PSO)
PSO1	Ability to apply the knowledge of pharmacy to solve the problems of healthcare/ Pharmaceutical industry and also to start own ventures as entrepreneurs.
PSO2	Provide services to the public by offering appropriate patient-centered therapies to curb the therapeutic problems with the medications needed and by reviewing the scientific literature to enhance their health and well-being, to explain the effects of the drugs.

Attainment of PO & PSO

The PO attainment is calculated based on CO-PO matrix for each subject of each semester and branch. The target setting is based on overall results of three year's average attainment of subject and scored between 1(Low), 2 (Medium and 3 (High). For direct assessment, the internal assessment is contributing 20% (sessional, presentations, seminar) and external university exam is contributing 80%.

The overall assessment/ attainment of PO and PSO are calculated from submission of direct (80%) and indirect assessment (20%). The direct assessment includes average of all semester internal assessment and university term examination attainment whereas; the indirect assessment is measured from feedback of stakeholders (student, teacher, parents, employer and alumni) at the end of graduation using scale of 1(Low), 2 (Medium and 3 (High).

CO Statements

Semester-I

SEM	NBA CODE	SUBJECT CODE	SUBJECT		COURSE OUTCOME	
				101.1.1	Identification of various cells, tissues and organs of different systems of human body Gross morphology, structure and	
	101.1	BP101TP	HUMAN ANATOMY AND PHYSIOLOGY-I	101.1.2	functions of various organs of the human body like skeleton, joints and Integumentary system.	
I				101.1.3	Various homeostatic mechanisms and their imbalances, along with anatomy and physiology of heart related to it.	
				101.1.4	Various experiments related to special senses and nervous system.	

				101.2.1	Understand the introduction and highlights of pharmaceutical analysis and regulatory
					requirements.
					Theoretical aspects, separation
					techniques discussed with relevant
					examples of pharmaceutical
				101.2.2	products involving principles and
			PHARMACEUTICAL		techniques of separation of drugs
	101.2	BP102TP	ANALYSIS I		from excipients
			ANALISIST		Theoretical aspects, instrumentation
					of data/spectra and analytical
				101.2.3	applications to be discussed on
					electrometric methods
					The theoretical aspects,
					instrumentation, elements of
				101.2.4	interpretation of data and
					application of analytical techniques
					(spectroscopy)
				101.3.1	Know the history of profession of
					pharmacy
				101.3.2	Understand the professional way of
					handling the prescription
	101.3	BP103TP	PHARMACEUTICS- I	101.3.3	Preparation of various conventional
					dosage forms
				101.3.4	Understand the pharmaceutical
					calculation
				101 / 1	Understand the introduction of
			101.4.1	inorganic chemistry	
				101.4.2	Understand the sources of

101.4	BP104TP	PHARMACEUTICAL INORGANIC CHEMISTRY	101.4.3	impurities and various tests Understand the medicinal and pharmaceutical importance of inorganic compounds Develop skill to determine the impurities in inorganic compounds
			101.5.1	Understand the behavioural needs for a Pharmacist to function effectively in the areas of Pharmaceutical operation
101.5	BP105TP	COMMUNICATION SKILLS	101.5.2	Understand the of effective communication (verbal and Non Verbal)
			101.5.3	Effectively manage team as a Team player
			101.5.4	Development of interview skill, leadership Quality and Essentials
			101.6.1	Know the classification and silent feature of five kingdoms of life and understand the basic components and modifications in plants
			101.6.2	To know the information regarding cells and different types of tissues
101.6	BP106TP	REMEDIAL BIOLOGY	101.6.3	Know and understand the basic components of anatomy and physiology of various system(Cardiovascular system, Nervous system, Respiratory system, Endocrine system etc.) with special reference to human

			101.6.4	To know about different plant and mineral nutrition, plant respiration and photosynthesis
			101.7.1	Know the theory and their application in Pharmacy
			101.7.2	Solve the different types of problems by applying theory
			101.7.3	Appreciate the important application of mathematics in Pharmacy
101.7	BP107TT	REMEDIAL MATHEMATICS	101.7.4	Understand the concept of Analytical Geometry, Differential Equation, etc. Apply the knowledge of mathematics in pharmaceutical calculations

Semester-II

SEM	NBA CODE	SUBJECT CODE	SUBJECT		COURSE OUTCOME	
				102.1.1	To know the knowledge of anatomy as well as physiology of nervous system.	
	102.1	BP201TP	HUMAN ANATOMY PHYSIOLOGY-II 102.1.2 102.1.3	To understand the anatomy and physiology of Digestive system		
п				102.1.3	To understand the anatomy and physiology of respiratory and urinary system.	
				102.1.4	To understand the concept of various hormones and know the anatomy and physiology of reproductive system.	

			102.2.1	Understand the classification of organic compounds and IUPAC system up to 10 carbons and isomers. Understand the reactivity, stability
			102.2.2	and method of preparation of hydrocarbons & appreciate the reaction orientation rules such as Saytzeff and Markownikoff rules.
102.2 BP202TP PHARMACEUTICAL ORGANIC CHEMISTRY-II		102.2.3	Understand the reactivity, method of preparation, name reaction, structure and use of alkyl halide and identify the organic compounds.	
			102.2.4	Understand the reactivity, method of preparation, name reaction, structure and use of carbonyl compounds and amines and identify the organic compounds.
102.3	BP203TP	PHARMACEUTICAL ENGINEERING	102.3.1	Understand the theoretical concepts and principles of manometers and mechanisms of size reduction and size sepration
			102.3.2	Understand the basic concepts of evaporation and study the during rule and Raoults law. Study the various law related to distillation and heat transfer, theoretical concepts of various distillation process.
			102.3.3	Study of various dryers and the rate of drying curve and various parameters related it and factors affecting mixing

				102.3.4	Understand the theoretical concepts and principles used in Filtration and centrifugation, different types of filters and centrifuges. To understand material handling technique.
				102.4.1	To understand Number System, concept of Information Systems and Software.
		BP204TP	COMPUTER APPLICATION IN PHARMACY	102.4.2	To understand Web Technologies.
	102.4			102.4.3	To know the various application of computer in Pharmacy.
				102.4.4	To know various types of Databases and its application that applies in Pharmacy.
				102.5.1	Understand the awareness and knowledge about environment
	102.5	BP205TT	ENVIRONMENTAL SCIENCES	102.5.2	Acquire skill to help the concerned individuals in identifying and solving environment problems
				102.5.3	Motivate learner to participate in environment protection and environment improvement
				102.5.4	Impart basic knowledge about environment problems among learner



Semester-III

SEM	NBA CODE	SUBJECT CODE	SUBJECT		COURSE OUTCOME
	103.1		PHARMACEUTICAL ORGANIC CHEMISTRY - II	103.1.1	Understand the reactivity, method of preparation, orientation of reaction, name reaction, structure and use of Benzene and its derivatives.
		BP301TP		103.1.2	Understand the reactivity, method of preparation, name reaction, structure and use of Phenols, Aromatic Amines and Aromatic Acids.
				103.1.3	Understand the reactions and stability of fats and oils.
Ш				103.1.4	Understand the reactivity, method of preparation, name reaction, synthesis, structure and use of Polynuclear hydrocarbons and stability, isomerism and preparation of Cycloalkanes.
	103.2	BP302TP	PHYSICAL PHARMACEUTICS-I	103.2.1	Study of various parameters related solubility of drug and factors affecting solubility of solid in liquid and gases in liquid. Study of state of matter and
				100.20	physical and chemical properties of drug molecules

				103.2.3	Understand concepts of surface and interfacial tension. Study the various method related to complextation ,theoretical concepts of protein binding and Understand the concepts of pH scale, buffers an
				103.3.1	isotonic solution Understand the nutrient Molecules and metabolism of carbohydrates molecules in physiological and pathological condition. And bioenergetics.
	103.3 BP303TP BIOCHEMIST		BIOCHEMISTRY	103.3.2	Understand the metabolism of Lipids and Amino acid in physiological and pathological condition.
		BP303TP		103.3.3	Understand the genetic organization of mammalian genome and functions of DNA in the synthesis of RNAs and Proteins.
			103.3.4	Understand the catalytic role of enzyme, importance of enzyme inhibitors in design of new drugs, therapeutic and diagnostic application of enzymes.	
				103.4.1	To understand the history, scope and development of

103.4	BP304TP	PHARMACOGNOSY		pharmacognosy along with
		AND		classification and evaluation of
		PHYTOCHEMISTRY-I		crude drugs
				To Understand the concepts of
			103.4.2	cultivation, collection,
			103.4.2	processing and storage of crude
				drug
				To get knowledge about the
			103.4.3	introduction of primary and
				secondary metabolites
				To understand the concept of
			103.4.4	plant tissue culture, fibers and
				marine drugs
			103.5.1	Identify and Explain the
			103.3.1	etiology of human diseases.
			103.5.2	Identify & Explain the
			103.3.2	Pathogenesis of human diseases.
				Have the ability to identify signs
103.5	BP305TT	PATHOPHYSIOLOGY	103.5.3	& symptoms of selected
103.3	DI 30311	TATHOTHISIOLOGI		diseases.
				Able to know diagnostic method
			103.5.4	of selected human diseases.



Semester-IV

SEM	NBA CODE	SUBJECT CODE	SUBJECT		COURSE OUTCOME
	CODE	CODE		104.1.1	Understand the Stereo isomerism,
				104.1.2	Optical isomerism. Understand the Geometric isomerism and Stereo Chemical reactions of Chiral molecules.
	104.1	BP401TT	PHARMACEUTICAL ORGANIC CHEMISTRY - III	104.1.3	Understand the Chemistry, Nomenclature and Classification of Heterocyclic compound and Understand the Synthesis, Reaction and Medicinal uses of Heterocyclic compound derivatives.
IV				104.1.4	Understand the Reaction of synthesis of oxidation and reduction reaction of Organic Compounds.
				104.2.1	Understand the Medicinal chemistry in drug development and drug metabolism and physicochemical relation in biological action.
	104.2	BP402TP	MEDICINAL CHEMISTRY-I	104.2.2	Understand the Chemistry of drugs with their pharmacological activity, metabolic pathway, Mechanism of action, SAR, Synthesis, Side effects of Drug acting on Autonomic Nervous system.

				104.2.3	Understand the Chemistry of drugs
					with their pharmacological activity,
					metabolic pathway, Mechanism of
					action, SAR, Synthesis, Side
					effects of Drug acting on Central
					Nervous system.
					·
				104.2.4	Understand the Chemistry of drugs
					with their pharmacological
					activity, metabolic pathway,
					Mechanism of action, SAR,
					Synthesis, Side effects of General
					anesthetic agents.
					Understand various
				104.3.1	physicochemical properties of drug
			PHYSICAL		molecules in the designing the
	104.3	BP403TP	PHARMACEUTICS II		dosage forms
					Understand various rheological
				104.3.2	properties of emulsion and
					suspension.
					To study dispersed systems and
				104.3.3	their characteristics.
					Know the principles of chemical
				104.3.4	kinetics & to use them for stability
					testing.
				104.4.1	Understand the pharmacological
	104.4	BP404TP	PHARMACOLOGY-I		actions of different categories of
					drugs and explain the mechanism
					of drug action at organ system/sub
					cellular/ macromolecular levels
			L		

			104.4.2	Understand the basic
				pharmacological knowledge in the
				prevention and treatment of various
				diseases.
			104.4.3	Observe the effect of drugs on
				animals by simulated experiments
			104.4.4	Recognize correlation of
				pharmacology with other bio
				medical sciences
				Understand the pharmaceutical
			104.5.1	legislations and their implications
				in development and marketing of
				pharmaceuticals
104.5	BP405TT	PHARMACEUTICAL	104.5.2	Understand various Indian
		JURISPRUDENCE		pharmaceuticals acts and laws
			104.5.3	Understand the regulatory
				authorities and agencies governing
				the manufacture and sale of
				pharmaceuticals
			104.5.4	Understand the code of ethics
				during the pharmaceutical practice

Semester-V

SEM	NBA CODE	SUBJECT CODE	SUBJECT		COURSE OUTCOME
V	105.1	BP501TT	MEDICINAL CHEMISTRY - II	105.1.1	Explain chemistry of drugs with respect to their pharmacological activity, drug metabolic pathways, adverse effect and therapeutic value for

				Miscellaneous class.
			105.2.1	Understand the mechanism of
		PHARMACOLOGY II		drug action and its relevance in
				the treatment of different
				diseases, various receptor actions
				using isolated tissue preparation
				Correlation of pharmacology
105.2	BP502TP		105.2.2	with related medical sciences
			105.2.3	Understand the mechanism of
				drug action and its relevance in
				the treatment of different diseases
			105.2.4	Understand the mechanism of
				drug action and its relevance in
				the treatment of different diseases
				, correlation of pharmacology
				with related medical sciences To know modern extraction
			105.3.1	To know modern extraction technique, characterization &
			103.3.1	identification of herbal drugs
				To understand the preparation &
105.3	BP503TP	PHARMACOGNOSY	105.3.2	development of herbal
		&		formulation
		PHYTOCHEMISTRY		To understand the herbal drug
		II	105.3.3	interactions
			105.3.4	To carryout isolation &
			105.3.4	identification of
			105.4.1	phytoconstituents. Understand the introduction to
			105.4.1	Onderstand the introduction to

				Microbiology, Microscopy and
105.4	BP504TP	PHARMACEUTICAL		detailed description about
		MICROBIOLOGY		Bacteria, Virus and Fungi
			105.4.2	Understand the Concepts involve
				in various staining technique,
				Sterilization and Disinfectants
			105.4.3	Knowledge of aseptic area various
				Sterility, Standardization and
				Microbial assay methods.
			105.4.4	Understand the concept of
				Microbial Spoilage ,Contaminants
				and method for Preservation
				Understanding the importance of
			105.5.1	immobilized enzymes in
				pharmaceutical industries.
			105.5.2	Genetic engineering application in
				relation to production of
				pharmaceuticals.
10.5.5	DD = 0 = FFD	PHARMACEUTICAL	105.5.3	Importance of monoclonal
105.5	BP505TP	BIOTECHNOLOGY		antibodies in industries.
			105.5.4	Appreciate the use of
				microorganisms in fermentation
				technology.
			105.6.2	
			105.6.3	
			105.6.4	

Semester-VI

CEM	NBA	SUBJECT	CLIDIECT	COURSE OUTCOME		
SEM	CODE	CODE	SUBJECT		COURSE OUTCOME	
	106.1	BP601TT	MEDICINAL CHEMISTRY-II	106.1.1	Understand the Historical background, Nomenclature, Stereochemistry, Structure activity relationship, Chemical degradation classification and important products of the antibiotics like Beta lactum, Tetracycline, Amino glycoside and Micolide. Understand the Chemistry of drugs with their pharmacological activity, metabolic pathway, Mechanism of action, SAR, Synthesis, Side effects of Anti-malarial and Pro drug.	
VI				106.1.3	Understand the Chemistry of drugs with their pharmacological activity, metabolic pathway, Mechanism of action, SAR, Synthesis, Side effects of Anti tubercular, Anti-viral, Urinary tract infection and Anti-Fungal. Understand the Drug Design and Combinatorial Chemistry.	
			PHARMACOLOY -III	106.2.1	Understand the mechanism of drug action and its relevance in the treatment of different infectious diseases. To understand principles of toxicology	
	106.2	BP602TP		106.2.2	To understand principles of toxicology and treatment of various poisonings and Drugs. Student should be able to correlation of pharmacology with related medical	

I	T	T	1	
				sciences, understand the mechanism of
				drug action and its relevance in the
				treatment of different infectious
				diseases.
			106.2.4	Student should be able to correlation of
				pharmacology with related medical
				sciences.
				To understand raw material as source
			106.3.1	of herbal drugs from cultivation to
				herbal drug product
				To know the WHO and ICH guidelines
			106.3.2	for evaluation of herbal drugs
106.3	BP603TP	HERBAL DRUG		To know the herbal cosmetics, natural
		TECHNOLOGY	106.3.3	sweetners, nutraceuticals
				To appreciate patenting of herbal
			106.3.4	drugs, GMP.
			106.4.1	Understand the basic concepts in
			100.4.1	biopharmaceutics and pharmacokinetics
				and their significance.
			106.4.2	Use of plasma drug concentration-time
			100.4.2	data to calculate the pharmacokinetic
				parameters to describe the kinetics of
		BIOPHARMAC		drug absorption, distribution,
106.4	BP604TT	EUTICS AND		metabolism, excretion, elimination.
100.7	DIUUTII			metaoonom, exerction, eminiation.
		PHARMACOKI	106.4.3	To understand the concepts of
		NETICS		bioavailability and bioequivalence of
				drug products and their significance.
			106.4.4	Understand various pharmacokinetic
				parameters, their significance &
				1 ,

				applications.
				Study of physicochemical
			106.5.1	characteristics of drug substances.
			106.5.2	Know the various pharmaceutical
				dosage forms and their manufacturing
				Techniques
			106.5.3	Know various considerations in
		INDUSTRIAL		development of pharmaceutical dosage
106.5	BP605TP	PHARMACY I		forms
			106.5.4	Formulate solid, liquid and semisolid
				dosage forms and evaluate them for
				their quality.

Semester-VII

SEM	NBA CODE	SUBJECT CODE	SUBJECT		COURSE OUTCOME
VII	107.1	BP701TT	INSTRUMENTAL METHODS OF ANALYSIS	107.1.1	The content will lead to the understanding to Fundamentals of Spectroscopy and Theory and Practical concept of UV Spectroscopy and Fluorimetry The content will lead to the understanding in detail about Theory and Practical concept of Fluorescence spectroscopy, Flame Photometry, Atomic absorption spectroscopy and Nepheloturbidometry

					The content will lead to the
					understanding fundamentals of
					Chromatography and different
					Chromatography technique like
				107.1.3	Adsorption and partition column
					chromatography, Thin layer
					chromatography, Paper
					chromatography, Electrophoresis
					The content will lead to the understanding in Detail about Theory
					and Practical concept of Gas
				107.1.4	chromatography, High performance
					liquid chromatography, Ion exchange
					chromatography, Gel chromatography
				107.2.1	To Know the process of pilot plant and
					scale up of pharmaceutical dosage
					forms
			DIDIGEDIAL		Understand the process of technology
				107.2.2	transfer from lab scale to commercial
10	07.2 BP7	'02TT	INDUSTRIAL PHARMACY II		batch
				107.2.3	Know different Laws and Acts that
					regulate pharmaceutical industry
				107.2.4	Understand the approval process and
					regulatory requirements for drug
					products
					Students will demonstrate knowledge of
				107.3.1	and ability to use principles of
					therapeutics, quality improvement,
					communication, economics, health
					behaviour, social and administrative

107.3	BP703TT	PHARMACY PRACTICE		aspects, health policy and legal issues in the practice of pharmacy.
				Students will provide patient-centred
			107.3.2	care to diverse patients using the best
				available evidence and monitor drug
				therapy of patient through medication
				chart review, obtain medication history
				interview and counsel the patients,
				identify drug related problems. Students
				will use knowledge of drug distribution
				methods in hospital and apply it in the
				practice of pharmacy.
				Students will exhibit professional ethics
			107.3.3	by producing safe and appropriate
				medication use throughout society.
				Students will engage in innovative
			107.3.4	activities by making use of the
				knowledge of clinical trials .Students
				will effectively apply principles of drug
				store management and inventory control
				to medication use.
			107.4.1	To understand the design of controlled
				drug delivery system and polymers used
				in CRDDS
			107.4.2	Formulation & Evaluation of
107.4	BP704TT	NDDS		microspheres, microcapsules, Muosal,
				Implantable and transdermal drug
				delivery system
			107.4.3	Formulation & Evaluation of
				Gasoretentive, Nasopulmonary drug

				delivery system
			107.4.4	Formulation & Evaluation targeted, ocular and intrauterine drug delivery system
107.6	BP706TT	QUALITY ASSURANCE	107.6.1	To understand basic concepts of Quality Control, Quality assurance, GMP, Quality Management & importance of ICH guidelines, ISO certification To understand GMP aspects in
		ASSURANCE	107.6.3	Pharmaceutical Industry To study GLP aspects, complaints, recalling & Warehousing of goods To evaluate importance of Documentation, SOPs, Quality audit,
				Calibration & Validation

Semester-VIII

SEM	NBA CODE	SUBJECT CODE	SUBJECT		COURSE OUTCOME
VI	108.1	BP801TT	BIOSTATISTICS AND RESEARCH METHODOLOGY	108.1.1	Understand the basic concepts of biostatistics, biostatistics arrangement, presentation and formation of tables and charts. Acquire knowledge about the correlation and regression & application of different methods, analysis of data different parametric and non-parametric tests

				108.1.3	Learn general research methodology and Compute statistical problems using various software's Understand the process of designing an experiment including factorial, fractional factorial designs, response
_				108.2.1	surface methodology To understand the concept of Health & Disease, Sociology & Personal Hygiene
	108.2	BP802TT	SOCIAL & PREVENTIVE	108.2.2	To evaluate the principles for prevention & control of diseases
			PHARMACY	108.2.3	To discuss the Functioning, objective & outcome of different health care programmes
				108.2.4	To Understand the community services, rural sanitization, health promotion & education in school
	108.3	BP803TT		108.3.1	To understand the definition and concept and techniques of pharmaceutical marketing
	100.5	D100011	PHARMA MARKETING MANAGEMENT	108.3.2	To understand the concept of product decision and to apply the techniques of product promotion
				1083.3	To understand the concept of marketing channel; the training and roles/duties of sales representatives
				108.3.4	To understand the concept of pricing strategy and emerging marketing trends

			108.4.1	To know about the process of drug
				discovery and development.
			108.4.2	To understand the regulatory
				approval process and their
				registration in Indian and
				international markets.
108.4	DD004TT	PHARMACEUTICAL	108.4.3	To know the regulatory authorities
108.4	BP804TT	REGULATORY		and agencies governing the
		SCIENCE		manufacture and sale of
				pharmaceuticals.
			108.4.4	To understand the various regulatory
				concepts.
				To know and explain about
			108.9.1	cosmetics, and related sciences,
				cosmeceuticals (cosmetics with skin,
				hair and oral care benefits) and
				personal care and hygiene products.
			108.9.2	To demonstrate practical skills in the
				area of biology, formulation science
100 0	рродотр	COSMETIC		and analytical techniques required to
108.9	BP809TP	COSMETIC		scientifically design and develop
		SCIENCE		various cosmetic products.
			108.9.3	BIS specification and analytical
				methods for shampoo, toothpaste
			108.9.4	To describe about basic cosmetic
				problems associated with skin, hair
				and oral care etc.
<u> </u>	1	<u>I</u>		

CO –PO-PSO mapping matrix

Bachelor of Pharmacy Batch 2018-2022

Semester 1

Subject / CO Code	00	P01	PO2	PO3	PO4	PO5	P06	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
BP101TP														
101.1.1	CO1	1	-	-	-	-	3	-	-	-	-	-	1	-
101.1.2	CO2	1	-	-	-	-	3	-	-	-	-	-	1	-
101.1.3	CO3	1	-	-	-	-	2	-	-	-	-	-	1	-
101.1.4	CO4	1	-	-	-	-	2	-	-	-	-	-	1	-
Average		1	-	•	•	•	2.5	•	•	•	-	-	1	-
BP102TP	00	PO1	PO2	PO3	P04	PO5	PO6	PO7	PO8	60d	PO10	P011	PSO1	PSO2
101.2.1	CO1	2	1	1	-		1	1		-		1	1	-
101.2.2	CO2	2	1	1	•		1	1		•		1	1	-
101.2.3	CO3	2	1	1	•	•	1	1	-	-	-	1	1	-
101.2.4	CO4	2	1	1	-	-	1	1	-	-	-	1	1	-
Average		2	1	1	-	-	1	1	-	-	-	1	1	-

BP103TP	CO	P01	P02	P03	P04	P05	P06	PO7	PO8	P09	PO10	P011	PS01	PSO2
101.3.1	CO1	3	-	-	-	-	-	1	-	-	-	2	-	1
101.3.2	CO2	3	-	1		-	2	1	2	2	-	2	1	2
101.3.3	CO3	3	2	1	-	-	-	-	-	-	-	2	2	2
101.3.4	CO4	3	-	2	-	-	-	-	-	1	-	2	2	1
Average		3	2	1.3	-	-	2	1	2	1.5	-	2	1.6	1.5
BP104TP	CO	P01	P02	P03	PO4	PO5	P06	PO7	PO8	PO9	PO10	PO11	PS01	PSO2
101.4.1	CO1	2	-	•	-	-	-	•	•	•	•	•	-	-
101.4.2	CO2	2	1	•	-	•	-	•	2	1	•	2	1	-
101.4.3	CO3	2	-	-	-	-	2	-	-	-	-	1	2	-
101.4.4	CO4	2	-	-	-	-	1	-	-	-	-	1	1	-
Average		2	-	-	-	-	1.5	0	2	1	-	1.3	1.3	-
BP105TP	00	P01	P02	FO3	P04	PO5	P06	40d	80d	60d	PO10	P011	PSO1	PSO2
101.5.1	CO1	3	1	1	-	-	2	1	3	1	-	2	1	-
101.5.2	CO2	1	1	-	-	-	2	1	3	1	-	2	1	-
101.5.3	CO3	1	2	-	-	3	1	1	3	1	-	2	1	-

101.5.4	CO4	2	2	1		•	3	1	3	-	•	2	1	-
Average		1.7 5	1.5	1	-	3	2	1	3	1	•	2	1	-
BP106TP	00	PO1	P02	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
101.6.1	CO1	1	•	-	-	-	1	-	•	•	•	1	1	-
101.6.2	CO2	1	-	-	-	-	1	-	-	-	-	1	1	-
101.6.3	CO3	1	•	-	-	-	1	-	-	-	-	1	1	-
101.6.4	CO4	1					1	-			1	1	1	-
Average		1					1					1	1	-
BP107TT	00	P01	P02	PO3	P04	PO5	PO6	PO7	PO8	PO9	PO10	P011	PSO1	PSO2
101.7.1	CO1	1	-	1	1	-	-	-	-	-	-	1	2	-
101.7.2	CO2	-	-	1	1	-	-	-	-	-	•	1	1	-
101.7.3	СОЗ	1	-	1	1	-	-	-	-	-	-	1	1	-
101.7.4	CO4	-	-	1	1	-	-	-	-	-	-	1	2	-
Average		1	-	1	1	-	-	-	-	-	-	1	1.5	-

Semester-II

Subject / CO Code	00	P01	PO2	P03	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PS01	PS02
BP201TP														
102.1.1	CO1	3	-	-	-	-	1	-	-	2	-	2	2	-
102.1.2	CO2	3	-	ı	•	•	1	ı	ı	2	-	2	2	-
102.1.3	CO3	3	ı	•	•	•	1	•	ı	2	•	2	2	-
102.1.4	CO4	3	•	•	•	•	1	1	ı	2	•	2	2	-
Average		3	-	ı	1	1	1	ı	•	2	-	2	2	-
BP202TP	00	P01	PO2	P03	P04	P05	PO6	PO7	PO8	PO9	PO10	P011	PSO1	PSO2
102.2.1	S CO1	10d 2	. PO2	, PO3	, PO4	SOd	, PO6	PO7	80d ,	, PO9	PO10	, PO11	PSO1	PSO2
			. PO2											
102.2.1	CO1	2	. ' PO2	-						-	-	-	-	-
102.2.1	CO1	2	-	- 1	-	-	-	-	-	- 1	2	2	- 2	1
102.2.1 102.2.2 102.2.3	CO1 CO2 CO3	3	-	1	-	- 1	- 1		-	1	2	2	2	1

102.3.1	CO1	2	-	2	-	-	-	-	-	-		1	1	-
102.3.2	CO2	2	_	-	-	-	-	-	-	-	-	1	1	-
102.3.3	CO3	2	-	2	•	•	ı	•	-	-	•	1	1	-
102.3.4	CO4	2	-	2	•	•	•	-	-	•	-	1	1	-
Average		1.6 6	1.6	1.6 6			2	1.1 6	-	1.6 6	1	1.3	1.6 6	1.6 6
BP204TP	CO	PO1	P02	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
102.4.1	CO1	-	-	2	•	•	•	•	2	-	•	-	2	-
102.4.2	CO2	1	-	2	•	•	ı	•	2	-	•	-	2	-
102.4.3	CO3	-	2	-	2	-	•	-	2	-	-	2	2	1
102.4.4	CO4	-	2	-	2	-	•	-	1	-	-	1	1	-
Average		1	2	2	2	-	-	-	1.75	-	-	1.5	1.7 5	1
BP205TT	00	PO1	P02	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PS02
102.5.1	CO1	2	2	2	1	2	1	•	2	2	3	1	1	1
102.5.2	CO2	2	2	2	1	2	1	-	2	2	3	1	1	1
102.5.3	CO3	2	2	2	1	2	1	-	2	2	3	1	1	1
102.5.4	CO4	2	2	2	1	2	1	-	2	2	3	1	1	1

Average	2	2	2	1	2	1	•	2	2	3	1	1	1	
riverage														4

Semester-III

Subject / CO Code	00	PO1	P02	PO3	PO4	POS	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
BP301TP														
103.1.1	CO1	3	•	1	•	1	1	•	•	1	2	2	2	1
103.1.2	CO2	3		1		1	1			1	2	2	2	1
103.1.3	CO3	3	-	1	•	•	•	•	•	1	2	2	2	1
103.1.4	CO4	3	-	1	•	•	•	•	•	1	2	2	2	1
Average		3	-	1	-	1	1	-	-	1	2	2	2	1
BP302TP	00	PO1	PO2	PO3	PO4	P05	PO6	PO7	PO8	PO9	PO10	P011	PSO1	PSO2
103.2.1	CO1	3	ı		•	•	•	•	•	•	•	1	•	•
103.2.2	CO2	3	1	1	ı	ı	•	ı	ı	•	•	1	•	1
103.2.3	CO3	3	-	-	-	-	-	-	-	-	-	1	-	-
103.2.4	CO4	3	-	1	-	•	-	•	-	-	-	1	1	-
Average		3	1	1	-	-	-	-	-	-	-	1	1	-

BP303TP	00	PO1	P02	PO3	PO4	POS	9Od	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
103.3.1	CO1	3	2	2	•	•	•	-	-	3	-	3	3	2
103.3.2	CO2	3	2	2	-	-	-	-	-	3	-	3	3	2
103.3.3	СОЗ	3	2	2	-	-	-	-	-	3	-	3	3	2
103.3.4	CO4	3	2	2	-	-	-	-	-	3	-	3	3	2
Average		3	2	2	-	-	-	-	-	3	-	3	3	2
BP304TP	03	PO1	PO2	PO3	P04	50d	90d	P07	80d	PO9	PO10	P011	PSO1	PSO2
103.4.1	CO1	3	•	-	-	2	3	2	2	2	3	2	3	-
103.4.2	CO2	3	ı	-	•	2	3	1	1	2	3	1	3	-
103.4.3	CO3	3	-	2	-	1	3	1	2	2	3	1	2	2
103.4.4	CO4	3	ı	1	ı	1	3	1	1	2	3	1	3	1
Average		3	-	1.5	•	1.5	3	1.2 5	1.5	2	3	1.2 5	2. 75	1. 5
BP305TT	00	PO1	PO2	PO3	P04	PO5	90d	PO7	PO8	PO9	PO10	PO11	PSO1	PS02
103.5.1	3	-	1	-	•	1	•	-	2	-	2	2	3	3
103.5.2	3	-	•	-	-	2	1	2	2	-	2	2	3	3
103.5.3	3	-	•	-	•	1	1	-	1	•	2	2	1	3

103.5.4	3	-	-	-	-	2	1	-	2	-	2	3	3	3
Average	3	-	1	-	-	1.5	1	2	2. 3	-	2	2.2 5	2.5	3

Semester-IV

Subject / CO Code	00	P01	P02	PO3	PO4	PO5	9O4	PO7	PO8	PO9	PO10	P011	PS01	PSO2
BP401TT														
104.1.1	CO1	3	-	1	-	1	1	_	-	1	2	2	2	1
104.1.2	CO2	3	-	1	-	1	1	-	-	1	2	2	2	1
104.1.3	CO3	3	-	1	-	-	-	-	-	1	2	2	2	1
104.1.4	CO4	3	-	1	-	-	-	-	-	1	2	2	2	1
Average		3	-	1	-	1	1	-	-	1	2	2	2	1
BP402TP	00	P01	PO2	PO3	P04	PO5	PO6	PO7	PO8	PO9	PO10	P011	PSO1	PS02
104.2.1	CO1	3	2	2	1	-	-	-	-	2	-	3	3	2
104.2.2	CO2	3	2	3	-	-	-	-	-	2	-	2	3	2
104.2.3	CO3	3	2	2	-	-	-	-	-	2	-	2	3	2

104.2.4	CO4	3	2	2	-	-	-	•	-	2	-	2	3	2
Average		3	2	2.25	1	-	-	1	-	2	-	2.2 5	3	2
BP403TP	CO	P01	P02	PO3	P04	P05	90d	F07	PO8	60d	PO10	P011	PSO1	PSO2
104.3.1	CO1	3	-	-	2	-	2	3	-	1	-	3	2	-
104.3.2	CO2	3	-	-	2	-	3	2	-	2	1	3	2	-
104.3.3	CO3	3	1	1	2	-	2	3	-	2	2	2	2	-
104.3.4	CO4	3	ı	ı	2	-	2	2	-	2	-	3	2	-
Average		3	1	1	2	-	2.2 5	2.5	-	1.7 5	1.5	2.7 5	2	-
BP404TP	CO)1	P02	PO3	P04	P05	90d	PO7	P08	P09	PO10	PO11	PSO1	PSO2
BP4	С	PO1	P(P(P	PC	PC	P	Ь	Ь	PC	P(PS	P
104.4.1	CO1	3)d '	d '	. Pe	. P(. P(1	1	1	1	1	1	1
				. Pe										
104.4.1	CO1	3	-	- - 2			-	1	1	1	1	1	1	1
104.4.1	CO1	3	-		-	-	-	1	1	1	1	1	1	1
104.4.1 104.4.2 104.4.3	CO1 CO2 CO3	3 3	- 2	- 2	-	-	-	1 1 2	1 1 1	1 1 1	1 1 1	1 1 2	1 1 1	1

Average		3	-	2	-	2	1.7	3	2	3	1.5	2	3	1.5
104.5.4	CO4	3	-	-	-	-	2	3	2	3	1	2	3	2
104.5.3	CO3	3	-	2	-	-	2	3	2	3	2	2	3	2
104.5.2	CO2	3	-	-	-	2	1	3	2	3	1	2	3	1
104.5.1	CO1	3	-	•	-	•	2	3	2	3	2	2	3	1

Semester-V

Subject / CO Code	00	PO1	PO2	PO3	PO4	P05	PO6	PO7	PO8	PO9	PO10	P011	PSO1	PSO2
BP501TT														
105.1.1	CO1	3	-	-	-	-	2	-	-	2	-	2	3	1
105.1.2	CO2	3	2	2	-	-	2	-	1	2	2	2	2	2
105.1.3	CO3	3	-	-	-	-	2	-	-	2	-	2	2	1
105.1.4	CO4	3	2	2	-	-	2	-	1	2	2	2	2	2
Average		3	2	2	-	-	2	-	-	2	2	2	2.25	1.5
BP502TP	00	PO1	PO2	PO3	PO4	PO5	90d	PO7	PO8	60d	PO10	PO11	PSO1	PSO2

											,		1	
105.2.1	CO1	3	1	2	2	-	3	3	1	3	1	3	2	2
105.2.2	CO2	3	1	2	2	-	3	1	1	2	1	2	2	2
105.2.3	CO3	3	1	2	3	-	2	1	1	2	2	2	3	2
105.2.4	CO4	3	2	2	3	-	2	1	1	3	2	3	2	3
Average		3	1.2	2	2.5	-	2.5	1.5	1	2.5	1.5	2.5	2.2	2. 2
BP503TP	00	P01	PO2	PO3	PO4	POS	PO6	PO7	PO8	P09	PO10	P011	PSO1	PSO2
105.3.1	CO1	3	2	1	2	-	-	1	-	1	1	1	2	-
105.3.2	CO2	3	1	-	2	-	1	1	-	1	1	2	2	-
105.3.3	CO3	3	-	-	-	-	1	1	-	2	1	2	2	-
105.3.4	CO4	3	2	1	2	•	-	1	-	1	1	1	2	-
Average		3	2.5	1	2	-	1	1	-	1.25	1	1.5	2	-
BP504TP	00	PO1	PO2	P03	PO4	PO5	P06	PO7	PO8	P09	PO10	P011	PSO1	PSO2
105.4.1	CO1	2	-	-	1	-	1	1	-	1	1	1	1	-
105.4.2	CO2	2	-	-	1	-	1	1	-	1	1	1	1	-

105.4.3	CO3	2	-	-	1	-	1	1	-	1	1	1	1	-
105.4.4	CO4	2	-	-	1	-	1	1	-	1	1	1	1	-
Average		2	-	-	1	-	1	1	-	1	1	1	1	-
BP505TT	00	PO1	P02	PO3	PO4	P05	P06	PO7	PO8	P09	PO10	P011	PS01	PSO2
105.5.1	CO1	3	0	ı	2	-	3	3	-	2	3	2	2	-
105.5.2	CO2	3	3	-	3	1	3	3	-	1	3	2	2	-
105.5.3	CO3	3	0	-	2	-	3	2	-	2	2	2	2	-
105.5.4	CO4	3	0	1	2	-	2	3	-	2	1	3	2	-
Average		3	3	1	2.2 5	1	2.7 5	2.75	-	1.75	2.2 5	2.2 5	2	-
BP506TP	00	P01	PO2	PO3	P04	P05	PO6	PO7	PO8	P09	PO10	P011	PSO1	PSO2
105.6.1	CO1	1	-	1	-	3	3	2	2	-	1	2	1	1
105.6.2	CO2	-	-	-	-	-	3	2	-	-	-	2	1	1
105.6.3	CO3	-	-	-	-	3	-	-	-	-	-	2	1	1
105.6.4	CO4	-	3	2	-	2	2	1	-	-	-	2	2	-
Average		-	3	2	-	2.66	2.66	1.66	2	-	-	2	1.25	1

Semester-VI

Subject / CO Code	00	P01	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
BP601TP														
106.1.1	CO1	3	2	2	1	-	-	-	-	2	-	3	3	2
106.1.2	CO2	3	2	3	-	-	-	-	-	2	-	2	3	2
106.1.3	СОЗ	3	2	2	-	-	-	-	-	2	-	2	3	2
106.1.4	CO4	3	2	2	-	-	-	-	-	2	-	2	3	2
Average		3	2	2.25	1	-	-	-	-	2	-	2.25	3	2
BP602TP	00	PO1	PO2	P03	PO4	POS	90d	P07	PO8	60d	PO10	PO11	PSO1	PSO2
106.2.1	CO1	3	1	3	1	-	3	3	2	3	2	2	3	3
106.2.2	CO2	3	1	3	1	-	3	3	2	3	2	3	2	1
106.2.3	СОЗ	3	1	3	2	-	3	2	2	3	3	2	2	3
106.2.4	CO4	3	1	3	1	-	3	2	2	3	3	3	3	3

Average		3	1	3	1.2	-	3	2.5	2	3	2.5	2.5	2.5	2.5
BP603TP	00	PO1	PO2	ьоз	P04	PO5	9Od	LO4	80d	6Od	PO10	PO11	PS01	PSO2
106.3.1	CO1	3	1		1	-	ı	1	ı	2	1	1	2	-
106.3.2	CO2	3	-	-	-		-		-	-	-	1	2	-
106.3.3	CO3	3	-	-	2		1	1	-	2	-	2	2	-
106.3.4	CO4	3	-	-	-	-	-	•	-	-	-	1	2	-
Average		3	1	1	1.5	•	1	1	ı	2	1	1.25	2	-
BP604TT	00	P01	P02	PO3	PO4	P05	90d	PO7	PO8	P09	PO10	P011	PS01	PSO2
106.4.1	CO1	3	-	2	-	-	-	-	-	-	-	2	3	2
106.4.2	CO2	2	-	3	3	-	-	-	1	-	-	1	2	2
106.4.3	CO3	3	-	2	•	•	ı	1	ı	ı	ı	2	3	2
106.4.4	CO4	1	-	2	3	•	ı	1	ı	ı	ı	2	1	1
Average		2	1	1.16	-	-	2	1.16	-	1.6	1.6	1.66	2	1.16
BP605TP	00	P01	PO2	P03	PO4	PO5	9O4	PO7	PO8	PO9	PO10	PO11	PSO1	PS02

Average		3	1.5	1.75	2	-	-	-	-	1	-	2	2	1.25
106.5.4	CO4	3	1	1	ı	ı	ı	ı	ı	ı	ı	2	2	1
106.5.3	CO3	3	-	2	-	-	-	-	-		-	2	2	1
106.5.2	CO2	3	2	2	2	ı	ı	1	ı	1	ı	2	2	2
106.5.1	CO1	3	-	2	1	1	1	•	1	1	1	2	2	1

Semester-VII

Subject / CO Code	CO	P01	P02	P03	PO4	PO5	PO6	PO7	PO8	PO9	PO10	P011	PS01	PS02
BP701TP														
107.1.1	CO1	2	1	2	2		1	1	-	1		2	2	-
107.1.2	CO2	2	1	2	2		1	1	-	1		2	2	-
107.1.3	CO3	2	1	2	2		1	1	-	1		2	2	-
107.1.4	CO4	2	1	2	2	•	1	1	-	1	-	2	2	-
Average		2	1	2	2	•	1	1	•	1	•	2	2	-
BP702TT	00	PO1	PO2	PO3	PO4	POS	PO6	PO7	PO8	6Od	PO10	P011	PSO1	PSO2

107.2.1	CO1	3	-	1	-	-	-	-	-	-	-	1	-	-
107.2.2	CO2	3	1	-	1	-	-	-	-	-	•	1	-	1
107.2.3	СОЗ	3	-	-	-	-	-	2	-	-	•	2	-	-
107.2.4	CO4	3	1	1	-	-	-	-	-	-	•	1	2	1
Average		3	1	1	1	-	-	2	-	-	1	1.25	2	1
BP703TT	00	P01	P02	P03	PO4	PO5	P06	PO7	PO8	PO9	PO10	P011	PSO1	PS02
107.3.1	CO1	2	-	-	-	-	1	1	2	2	•	2	2	1
107.3.2	CO2	3	1	2	-	-	2	1	-	2	•	2	2	2
107.3.3	CO3	3	-	-	-	-	1	2	-	2	1	2	2	1
107.3.4	CO4	3	2	2	1	1	3	1	1	2	1	2	2	2
Average		2.75	1.5	2	1	1	1.75	1.25	1.5	2	•	2	2	1.5
BP704TT	03	PO1	PO2	PO3	PO4	PO5	90d	PO7	80d	60d	PO10	1104	PSO1	PSO2
107.4.1	CO1	3	ı	•	•	-	•		1	•	ı	2	•	-
107.4.2	CO2	3	1	2	-	-	-	2	-	-	•	2	2	1
107.4.3	CO3	3	1	2	-	-	-	2	-	-	•	2	2	1
107.4.4	CO4	3	1	2	-	-	-	2	-	-	1	2	2	1
Average		3	1	2	-	-	-	2	-	-	-	2	2	1

BP706TT	00	P01	P02	PO3	PO4	P05	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
107.6.1	CO1	3	2	•	•	ı		-	-	1	•	1	2	-
107.6.2	CO2	3	3	•	•	ı	•	-	-	1	•	2	2	-
107.6.3	CO3	3	2	•	1	ı	•	1	1	1	•	2	2	-
107.6.4	CO4	3	2	1	•	ı		-	-	ı	ı	2	2	1
Average		3	2.25	1	1	ı	•	1	1	1	•	1.75	2	1

Semester-VIII

Subject / CO Code	00	P01	PO2	P03	PO4	P05	PO6	PO7	PO8	PO9	PO10	PO11	PS01	PSO2
BP801TT														
108.1.1	CO1	1	2	2	1	2	ı	1	2	ı	ı	ı	1	1
108.1.2	CO2	2	2	3	2	1	1	-		1	ı	1	1	2
108.1.3	CO3	1	2	2	1	•	ı	2	ı	ı	ı	ı	1	2
108.1.4	CO4	2	2	3	3		1	•		1	1	1	1	1
Average		1.5	2	2.5	1.75	1.5	1	2	2	1	•	-	1	1. 5
BP802TT	00	104	PO2	P03	PO4	P05	90d	40d	80d	60d	PO10	1104	PSO1	PSO2

108.2.1	CO1	3	-	-	-	-	2	2	1	2	1	2	1	2
108.2.2	CO2	3	-	2	-	-	-	-	-	2	-	2	1	2
108.2.3	CO3	3	-	-	-	2	-	1	-	1	-	2	1	2
108.2.4	CO4	3	-	-	-	1	2	1	1	2	-	2	1	2
Average		3	-	2	-	1.5	2	2	1	1.75	1	2	1	2
BP803TT	00	104	PO2	PO3	PO4	P05	90d	PO7	PO8	60d	PO10	PO11	PS01	PSO2
108.3.1	CO1	3	2	-	-	-	•	-	-	-	-	-	2	2
108.3.2	CO2	3	3	-	-	-	•	-	-	-	-	-	2	2
108.3.3	CO3	2	-	-	-	-	3	-	-	-	-	-	2	2
108.3.4	CO4	2	-	3	-	-	-	-	-	-	-	2	2	2
Average		2.5	2. 5	3	-	-	3	-	-	-	-	2	2	2
BP804TT	00	104	P02	PO3	PO4	P05	9O4	PO7	80d	60A	PO10	P011	PSO1	PSO2
108.4.1	CO1	3	0	0	1	0	2	2	0	2	0	2	3	0
108.4.2	CO2	3	2	0	0	1	2	2	1	1	0	2	2	0
108.4.3	CO3	3	0	0	0	1	0	3	0	2	0	3	2	0
108.4.4	CO4	3	0	0	0	1	2	3	1	1	0	3	2	1
Average		3	2	0	1	1	2	2.5	1	1.5	0	2.5	2.25	1

BP809TT	00	P01	PO2	PO3	PO4	PO5	PO6	PO7	PO8	P09	PO10	P011	PS01	PSO2
108.9.1	CO1	3	-	-	-	-	-	1	-	1	-	1	2	-
108.9.2	CO2	3	1	1	-	-	-	-	-	1	•	1	2	1
108.9.3	CO3	3	-	1	•	-	-	1	-	-	1	1	2	1
108.9.4	CO4	3	-	2	ı	-	•	ı	-	-	1	2	2	2
Average		3	1	1.3	-	-		1	-	1	1	1.25	2	1. 3
BP806TT	00	P01	PO2	PO3	PO4	POS	P06	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
108.6.1	S CO1	3 BOI	204	PO3	. PO4	POS	PO6	PO7	PO8	- P09	PO10	. PO11	3 PSO1	PSO2
108.6.1	CO1	3	1	-	-	-	-	-	-	-	-	-	3	-
108.6.1	CO1	3	1 -	- 3	-	-	-	-	-	-	-	-	3	3

Attainment Level & Gap Identification Semester 1 Batch 2018-2022

Subject	CO	P01	P02	P03	P04	PO5	PO6	PO7	PO8	P09	PO10	PO11	PSO1	PSO2
BP101TP	00	PO1	PO2	PO3	P04	PO5	P06	PO7	P08	P09	PO10	P011	PSO1	PSO2
Average		1	-	-	-	-	2.5	-	-	-	-	-	1	-
Attainm ent		0.9 5	-	-	-	-	2.23	-	-	-	-	-	0.9	-
Gap		0.0 5					0.15						0.1	
BP102TP	CO	PO1	PO2	PO3	P04	PO5	P06	PO7	P08	P09	PO10	PO11	PSO1	PSO2
Average		2	1	1	-	-	1	1	-	-	-	1	1	-
Attainm ent	3	1.8	0.95	0.85	-	-	0.95	0.95	-	-	-	0.90	0.95	-
Gap		0.2	0.05	0.25			0.05	0.05				0.1	0.05	
BP103TP	00	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	P09	PO10	PO11	PSO1	PSO2
Average		3	2	1.3	-	-	2	1	2	1.5	-	2	1.6	1.5
Attainm ent	3	3	2	1.3	•		2	1	2	1.5	-	2	1.6	1.5
Gap		0	0	0	-	-	0	0	0	0	-	0	0	0

BP104TP	00	PO1	PO2	PO3	PO4	PO5	PO6	PO7	P08	P09	PO10	PO11	PSO1	PSO2
Average		2	-	-	-	-	1.5	0	2	1	-	1.3	1.3	-
Attainm ent	3	2	-	-	-	1	1.5	0	2	1	-	1.3	1.3	-
Gap		0	-	-	-	-	0	0	0	0	-	0	0	-
BP105TP	00	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	P09	PO10	PO11	PSO1	PSO2
Average		1.7 5	1.5	1	-	3	2	1	3	1	-	2	1	-
Attainm ent	3	1.7 5	1.5	1	-	3	2	1	3	1	-	2	1	-
Gap		0	0	0	-	0	0	0	0	0	-	0	0	-
BP106TP	CO	PO1	PO2	PO3	PO4	PO5	P06	PO7	PO8	P09	PO10	PO11	PSO1	PSO2
Average		1	-	-	-	-	1	-	-	-	-	1	1	-
Attainm ent	3	1	-	-	-	1	1	-	-	-	-	1	1	-
Gap		0	-	-	-	-	0	-	-	-	-	0	0	-
BP107TP	CO	P01	PO2	PO3	PO4	PO5	PO6	PO7	PO8	P09	PO10	PO11	PSO1	PSO2
Average		1	-	1	1	•	•	-	-	-	-	1	1.5	-

Attainm ent	3	1	-	1	1	-	-	-	-	-	-	1	1.5	-	
Gap		0	-	0	0	-	-	-	-	-	-	0	0	-	

Attainment Level & Gap Identification Semester II Batch 2018-2022

Subject	00	P01	P02	PO3	PO4	PO5	P06	PO7	PO8	PO9	PO10	P011	PSO1	PSO2
BP201TP	00	PO1	P02	PO3	PO4	PO5	P06	PO7	P08	P09	PO10	PO11	PSO1	PS02
Average		3	-	-	-	-	1	-	-	2	-	2	2	-
Attainment		3	-			-	1	-	-	2		2	2	-
Gap		0	-	•	-	-	0	-	-	0		0	0	-
BP202TP	0.0	PO1	PO2	PO3	PO4	PO5	P06	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
Average		2.75	-	1	•	1	1	-	-	1	2	2	2	1
Attainment	3	2.75	-	1	1	1	1	-	•	1	2	2	2	1
Gap		0	-	0	-	0	0	-	-	0	0	0	0	0

BP203TP	00	PO1	PO2	PO3	PO4	PO5	P06	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
Average		2		2	ı	•	•	1	1	•	ı	1	1	-
Attainment	3	2	-	2	•	-	-	-	-	-	1	1	1	-
Gap		0	-	0	1	-	-	-	-	-	1	0	0	-
BP204TP	00	PO1	PO2	PO3	PO4	PO5	P06	PO7	PO8	P09	PO10	PO11	PSO1	PS02
Average		1	2	2	2	-	-	•	1.75	•	•	1.5	1.75	1
Attainment	3	1	2	2	2	•	-	-	1.75	-	-	1.5	1.75	1
Gap		0	0	0	0	-	-	-	0	-	-	0	0	0
BP205TT	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
Average		2	2	2	1	2	1	•	2	2	3	1	1	1
Attainment	3	2	2	2	1	2	1	1	2	2	3	1	1	1
Gap		0	0	0	0	0	0	-	0	0	0	0	0	0

Attainment Level & Gap Identification Semester III Batch 2018-2022

Subject	CO	P01	P02	P03	P04	PO5	P06	PO7	PO8	P09	PO10	P011	PS01	PSO2
BP301TP	CO	PO1	PO2	PO3	PO4	PO5	P06	PO7	PO8	P09	PO10	PO11	PSO1	PSO2
Average		3	-	1	-	1	1	•	•	1	2	2	2	1
Attainment		3	-	1	-	1	1	-	-	1	2	2	2	1
Gap		0	-	0	-	0	0	-	-	0	0	0	0	0
BP302TP	CO	PO1	PO2	PO3	PO4	PO5	P06	PO7	PO8	P09	PO10	PO11	PSO1	PSO2
Average		3	1	1	-	-	-	-	-	-	-	1	1	-
Attainment	3	3	1	1	•		-		•			1	1	•
Gap		0	0	0	-	-	-	-	-	-	-	0	0	-
BP303TP	00	PO1	PO2	PO3	PO4	PO5	P06	PO7	PO8	P09	PO10	PO11	PSO1	PSO2
Average		3	2	2	•	•	-	-	•	3	•	3	3	2
		3	2	2	-	-	-			3	-	3	3	2
Attainment	3													

BP304TP	00	PO1	P02	PO3	PO4	PO5	90d	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
Average		3		1.5		1.5	3	1.25	1.5	2	3	1.25	2.75	1.5
Attainment	3	3		1.5	•	1.5	3	1.25	1.5	2	3	1.25	2.75	1.5
Gap		0	-	0	-	0	0	0	0	0	0	0	0	0
BP305TT	00	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
Average		3	-	1	•	-	1.5	1	2	2.3	-	2	2.25	2.5
Attainment	3	3	-	1	-	-	1.5	1	2	2.3	-	2	2.25	2.5
Gap		0	-	0	-	-	0	0	0	0	-	0	0	0

Attainment Level & Gap Identification Semester IV Batch 2018-2022

Subject	CO	P01	P02	PO3	PO4	PO5	PO6	PO7	PO8	P09	PO10	PO11	PS01	PSO2
BP401TT	00	PO1	PO2	PO3	PO4	PO5	P06	PO7	PO8	P09	PO10	PO11	PSO1	PSO2
Average		3	•	1	1	1	1	1	•	1	2	2	2	1
Attainment	3	3	-	1	-	1	1	-		1	2	2	2	1

Gap		0	-	0	-	0	0	-	-	0	0	0	0	0
BP402TP	0.0	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
Average		3	2	2.25	1	-	-	-	-	2	-	2.25	3	2
Attainment	3	3	2	2.25	1	-	ı	-	-	2	-	2.25	3	2
Gap		0	0	0	0	ı	ı	1	1	0	-	0	0	0
BP403TP	CO	PO1	PO2	PO3	PO4	PO5	90A	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
Average		3	1	1	2	-	2.25	2.5	-	1.75	1.5	2.75	2	-
Attainment	3	3	1	1	2	•	2.25	2.5	•	1.75	1.5	2.75	2	-
Gap		0	0	0	0	-	0	0	-	0	0	0	0	-
	CO	PO1	PO2	PO3	P04	PO5	P06	PO7	PO8	P09	PO10	PO11	PSO1	PSO2
Average		3	2	2	2	-	-	1.5	1	1	1	1.25	1	1
Attainment	3	3	2	2	2	•	•	1.5	1	1	1	1.25	1	1
Gap		0	0	0	0	-	-	0	0	0	0	0	0	0
	00	PO1	P02	PO3	PO4	PO5	PO6	PO7	PO8	P09	PO10	PO11	PSO1	PSO2

Average		3	-	2	-	2	1.75	3	2	3	1.5	2	3	1.5
Attainment	3	3	-	2	-	2	1.75	3	2	3	1.5	2	3	1.5
Gap		0	-	0	-	0	0	0	0	0	0	0	0	0

Attainment Level & Gap Identification Semester V Batch 2018-2022

Subject Code	CO	PO1	P02	PO3	P04	PO5	PO6	PO7	PO8	P09	PO10	P011	PSO1	PSO2
BP501TT	CO	PO1	PO2	PO3	PO4	PO5	P06	PO7	PO8	P09	PO10	PO11	PSO1	PSO2
Average		3	2	2	-	-	2	-	1	2	2	2	2.25	1.5
Attainment	3	3	2	2	-	•	2	-	1	2	2	2	2.25	1.5
Gap		0	0	0	-	-	0	-	0	0	0	0	0	0
BP502TP	CO	PO1	PO2	PO3	PO4	PO5	P06	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
Average		3	1.2	2	2.5	-	2.5	1.5	1	2.5	1.5	2.5	2.2	2.2
Attainment		3	1.2	2	2.5		2.5	1.5	1	2.5	1.5	2.5	2.2	2.2
Gap		0	0	0	0		0	0	0	0	0	0	0	-
BP503TP	00	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2

Average		3	2.5	1	2	-	1	1	-	1.25	1	1.5	2	-
Attainment	3	3	2.5	1	2	-	1	1	-	1.25	1	1.5	2	-
Gap		0	0	0	0	-	0	0	-	0	0	0	0	-
BP504TP	00	PO1	PO2	PO3	PO4	PO5	90d	PO7	80d	PO9	PO10	PO11	PSO1	PSO2
Average		2	•	-	1	ı	1	1	ı	1	1	1	1	-
Attainment		2		-	1	-	1	1	-	1	1	1	1	-
Gap		0		-	0	-	0	0	-	0	0	0	0	-
BP505TP	CO	PO1	P02	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
Average	3	3	3	1	2.25	1	2.75	2.75	-	1.75	2.25	2.25	2	-
Attainment		3	3	1	2.25	1	2.75	2.75	1	1.75	2.25	2.25	2	-
Gap		0	0	0	0	0	0	0	-	0	0	0	0	-

Attainment Level & Gap Identification Semester VI Batch 2018-2022

Subject Code	CO	P01	PO2	P03	P04	P05	P06	PO7	P08	PO9	PO10	P011	PSO1	PS02
BP601TT	CO	PO1	PO2	PO3	PO4	PO5	P06	PO7	P08	P09	PO10	PO11	PSO1	PSO2
Average		3	2	2.25	1	-	-	-	-	2	-	2.25	3	2
Attainment		3	2	2.25	1	-			-	2	-	2.25	3	2
Gap		0	0	0	0	-	•	•	-	0	-	0	0	0
BP602TP	CO	PO1	PO2	PO3	PO4	PO5	P06	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
Average		3	1	3	1.2	-	3	2.5	2	3	2.5	2.5	2.5	2.5
Attainment		3	1	3	1.2	-	3	2.5	2	3	2.5	2.5	2.5	2.5
Gap		0	0	0	0	-	0	0	0	0	0	0	0	0
BP603TP	00	PO1	PO2	PO3	P04	PO5	P06	PO7	PO8	P09	PO10	PO11	PSO1	PSO2
Average		3	1	-	1.5	-	1	1	-	2	1	1.25	2	-
Attainment	3	3	1	•	1.5	-	1	1	-	2	1	1.25	2	-
Gap		0	0	-	0	-	0	0	-	0	0	0	0	-

BP604TT	CO	PO1	PO2	PO3	PO4	PO5	P06	PO7	PO8	P09	PO10	PO11	PSO1	PSO2
Average		2.66	•	2.25	3		•		1	-	-	1.75	2.25	1.75
Attainment	3	2.66		2.25	3				1	-	-	1.75	2.25	1.75
Gap		0	-	0	0	-	-	-	0	-	-	0	0	0
BP605T P	CO	PO1	PO2	PO3	PO4	PO5	P06	PO7	PO8	P09	PO10	PO11	PSO1	PSO2
Average		3	1.5	1.75	2	-	-	-	-	1	-	2	2	1.25
Attainment		3	1.5	1.75	2	-	-	-	-	1	-	2	2	1.25
Gap		0	0	0	0	-	-	-	-	0	-	0	0	0

Attainment Level & Gap Identification Semester VII Batch 2018-2022

Subject	CO	P01	P02	PO3	PO4	P05	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
BP701TT	CO	PO1	PO2	PO3	PO4	PO5	P06	PO7	PO8	P09	PO10	PO11	PSO1	PSO2
Average		2	1	2	2	•	1	1	•	1	1	2	2	
Attainment	3	2	1	2	2	-	1	1	-	1	-	2	2	,
Gap		0	0	0	0	-	0	0	-	0	-	0	0	1

BP702TT	CO	PO1	PO2	PO3	PO4	PO5	P06	PO7	PO8	P09	PO10	PO11	PSO1	PSO2
Average		3	1	1	1	-	-	2	•	-	-	1.25	2	1
Attainment	3	3	1	1	1	-	-	2	-	-	-	1.25	2	1
Gap		0	0	0	0	-	-	0	-	-	-	0	0	0
BP703TT	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
Average		2.75	1.5	2	1	1	1.75	1.25	1.5	2	-	2	2	1.5
Attainment	3	2.75	1.5	2	1	1	1.75	1.25	1.5	2	-	2	2	1.5
Gap		0	0	0	0	0	0	0	0	0	-	0	0	0
BP704TT	UJ	P01	PO2	PO3	PO4	PO5	PO6	PO7	PO8	P09	PO10	PO11	PSO1	PSO2
Average		3	1	2	•	-	-	2	•	-	-	2	2	1
Attainment	3	3	1	2	-	-	-	2	-	-	-	2	2	1
Gap		0	0	0	-	-	-	0	-	-	-	0	0	0
BP706TT	CO	PO1	PO2	PO3	PO4	PO5	P06	PO7	PO8	P09	PO10	PO11	PSO1	PSO2
Average		3	2.25	1	1	-	-	1	1	-	-	1.75	2	1

Attainment	3	3	2.25	1	1	•	•	1	1	-	1	1.75	2	1
Gap		0	0	0	0	-	-	0	0	-	-	0	0	0

Mapping of CO with PO & PSO for Semester I Batch 2018-2022

semester	Subject Code	CO	P01	P02	P03	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
	BP101TP		1	-	1	1	-	2.5	1	-	-	1	-	1	-
	BP102TP		2	1	1	1	-	1	1	1	1	1	1	1	-
	BP103TP		3	2	1.3	ı	-	2	1	2	1.5	ı	2	1.6	1.5
Semester I	BP104TP		2	-				1.5	0	2	1		1.3	1.3	-
	BP105TP		1.7	1.5	1	-	3	2	1	3	1	-	2	1	-
	BP106TP		1	-	-		-	1	-	-	-		1	1	-
	BP107TT		1	-	1	1	-	-	-	-	-	-	1	1.5	-

Average	1.6 5	1.48	1.0	1	3	1.61	0.74	2.3	1.1 6	-	1.3	1.1	1.5
Attainment	1.6 5	1.48	1.0 6	1	3	1.61	0.74	2.3	1.1 6	-	1.3	1.1 8	1.5
Gap	0	0	0	0	0	0	0	0	0	-	0	0	0

Mapping of CO with PO & PSO for Semester II Batch 2018-2022

semester	Subject	CO	P01	P02	P03	PO4	POS	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
	BP201TP		3	-	-	-	-	1	-	-	2	-	2	2	-
	BP202TP		2.7 5	-	1	-	1	1	-	-	1	2	2	2	1
Semester 2	BP203TP		2	-	2	-	ı	-	-	ı	1	1	1	1	-
Seme	BP204TP		1	2	2	2	ı	-	-	1.7 5	ı	-	1.5	1.7	1
	BP205TT		2	2	2	1	2	1	-	2	2	3	1	1	1
	Average		2.0	2	1.7 5	1. 5	1.5	0.97	-	1.8 8	1.6	2. 5	1.4 6	1.5 1	1

Attainment	2.0	2	1.7 5	1. 5	1.5	0.97		1.8 8	1.6	2. 5	1.4 6	1.5	1
Gap	0	0	0	0	0	0	1	0	0	0	0	0	0

Mapping of CO with PO & PSO for Semester III Batch 2018-2022

semester	Subject	CO	P01	PO2	P03	PO4	POS	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
	BP301TP		3	-	1	1	1	1	-	-	1	2	2	2	1
	BP302TP		3	1	1	1	-	-	-	-	-	-	1	1	-
	BP303TP		3	2	2	1	ı	1	1	-	3	1	3	3	2
Semester 3	BP304TP		3	ı	1.5	1	1.5	3	1.25	1.5	2	3	1.2	2.7 5	1.5
	BP305TT		3	1	1	,	1	1.5	1	2	2.3	1	2	2.2 5	2.5
	Average		3	1.5	1.3	•	1.2	1.83	1.12	1.7 5	2.0	2. 5	1.8 5	2.2	1.7
	Attainment		3	1.5	1.3	-	1.2 5	1.83	1.12	1.7 5	2.0	2. 5	1.8 5	2.2	1.7 5

	0	0	0		0	0	0	0	0	0	0	0	0
Gap				-									

Mapping of CO with PO & PSO for Semester IV Batch 2018-2022

semester	Subject	CO	PO1	P02	P03	PO4	P05	P06	PO7	PO8	P09	PO10	PO11	PSO1	PS02
	BP401TT		3	-	1	•	1	1	-	-	1	2	2	2	1
	BP402TP		3	2	2.2 5	1	-	-	-	-	2	-	2.25	3	2
	BP403TP		3	1	1	2	-	2.25	2.5	-	1.7 5	1.5	2.75	2	-
Semester 4	BP404TP		3	2	2	2	1	-	1.5	1	1	1	1.25	1	1
Ser	BP405TT		3	-	2	1	2	1.75	3	2	3	1.5	2	3	1.5
	Average		3	1.6 7	1.6	1.6 7	1.5	1.67	2.3	1.5	1.7	1.5	2.05	2. 2	1.3
	Attainment		3	1.6 7	1.6 5	1.6 7	1.5	1.67	2.3	1.5	1.7 5	1.5	2.05	2. 2	1.3
	Gap		0	0	0	0	0	0	0	0	0	0	0	0	0

Mapping of CO with PO & PSO for Semester V Batch 2018-2022

semester	Subject	CO	PO1	P02	PO3	P04	POS	P06	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
	BP501TT		3	2	2	1	ı	2	1	1	2	2	2	2.2 5	1.5
	BP502TP		3	1.2	2	2.5	-	2.5	1.5	1	2.5	1.5	2.5	2.2	2.2
	BP503TP		3	2.5	1	2	ı	1	1	ı	1.2 5	1	1.5	2	1
Semester 5	BP504TP		2	ı	ı	1	ı	1	1	ı	1	1	1	1	-
Ser	BP505TP		3	3	1	2.2 5	1	2.7 5	2.7 5	1	1.7	2.2 5	2.2 5	2	-
	Average		2. 48	1.8 9	1.3	1.6 4	0.6 6	1.5 6	1.2 6	0.9	1.4	1.3	1.6 4	1.6	1.7
	Attainment		2. 48	1.8 9	1.3 5	1.6 4	0.6 6	1.5 6	1.2 6	0.9	1.4 5	1.3 4	1.6 1	1.6 8	1.7
	Gap		0	0	0	0	0	0	0	0	0	0	0	0	0

Mapping of CO with PO & PSO for Semester VI Batch 2018-2022

semester	Subject Code	00	PO1	PO2	P03	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
	BP601TT		3	2	2.2 5	1	1	-	-	-	2	-	2.2 5	3	2
	BP602TP		3	1	3	1.2	-	3	2.5	2	3	2.5	2.5	2.5	2.5
	BP603TP		3	1		1.5	1	1	1	-	2	1	1.2	2	-
Semester 6	BP604TT		2.6	-	2.2 5	3	1	-	-	1	-	-	1.7	2.2 5	1.7 5
Sen	BP605TP		3	1.5	1.7	2	1	-	-	-	1	-	2	2	1.2 5
	Average		2.7	1.2	2.1	1.6	-	1.8	1.6	1.4	1.8 7	1.6	1.8	2.2	1.7
	Attainment		2.7	1.2	2.1	1.6 8	•	1.8 7	1.6 2	1.4	1.8 7	1.6 2	1.8	2.2	1.7 5
	Gap		0	0	0	0	-	0	0	0	0	0	0	0	0

Mapping of CO with PO & PSO for Semester VII Batch 2018-2022

semester	Subject Code	00	PO1	P02	PO3	P04	PO5	P06	PO7	PO8	P09	PO10	PO11	PSO1	PSO2
	BP701TT		2	1	2	2	1	1	1	1	1	-	2	2	-
	BP702TT		3	1	1	1	1	-	2	1	1	-	1.25	2	1
	BP703TT		2.75	1.5	2	1	1	1.75	1.25	1.5	2	-	2	2	1.5
Semester 7	BP704TT		3	1	2	-	-	-	2	-	-	-	2	2	1
	BP706TT		3	2.25	1	1	-	-	1	1	-	-	1.75	2	1
	Average		2.7	1.45	1.6	1.2	1	1.5	1.3	1.33	1.67	-	1.8	2	1.25
	Attainment		2.7	1.45	1.6	1.2	1	1.5	1.3	1.33	1.67	-	1.8	2	1.25
	Gap		0	0	0	0	0	0	0	0	0	-	0	0	0

Mapping of CO with PO & PSO for Semester VIII Batch 2018-2022

semester	Subject Code	00	P01	P02	PO3	PO4	PO5	P06	PO7	PO8	P09	PO10	P011	PS01	PSO2
	BP801T T		2.33	1.6	2	•	-	-	-	•	-	-	2.66	2	2
	BP802T P		2.83	1.5	1.5	•	-	-	-	-	-	-	2.5	2.83	1.5
	BP803TP		2	2	2	-	-	1.66	1	-	1.33	1.66	3	2	2
Semester 8	BP804TP		2.6	1.5	1.33	•	-	2	2	-	2	2	1.83	2.6	1.33
Š	BP809TP		3	1.83	2	•	•	1.66	1.16	•	2	2.16	1.66	3	2
	BP813P P		2.83	1	2.6		•	-			-		1	2.83	2.6
	Average		2.5	1.5	1.9	-	-	1.7	1.3	-	1.7	1.9	2.1	2.5	1.9
	Attainment	3	2.5	1.5	1.9	-	-	1.7	1.3	-	1.7	1.9	2.1	2.5	1.9
	Gap		0	0	0	-	-	0	0	-	0	0	0	0	0

Overall Co-P0-PSO attainment for Batch 2018-2022

SEM	PO 1	PO 2	PO 3	PO 4	PO 5	9 Od	PO 7	PO 8	PO 9	PO 10	PO 11	PSO I	PSO II
I	1.65	1.48	1.06	1	3	1.61	0.74	2.33	1.16	-	1.38	1.18	1.5
II	2.09	2	1.75	1.5	1.5	0.97	-	1.88	1.6	2.5	1.46	1.51	1
III	3	1.5	1.3	-	1.25	1.83	1.12	1.75	2.07	2.5	1.85	2.2	1.75
IV	3	1.67	1.65	1.67	1.5	1.67	2.33	1.5	1.75	1.5	2.05	2.2	1.38
v	2.48	1.89	1.35	1.64	0.66	1.56	1.26	0.93	1.45	1.34	1.64	1.68	1.7
VI	2.77	1.28	2.16	1.68	-	1.84	1.62	1.4	1.87	1.62	1.83	2.22	1.75
VII	2.7	1.45	1.6	1.2	1	1.5	1.3	1.33	1.67	-	1.8	2	1.25
VIII	2.5	1.5	1.9	-	1	1.7	1.3	1	1.7	1.9	2.1	2.5	1.9
AVG	2.52	1.60	1.60	1.45	1.49	1.59	1.38	1.59	1.66	1.89	1.76	1.94	1.53
													1.5
Direct	2.52	1.60	1.60	1.45	1.49	1.59	1.38	1.59	1.66	1.89	1.76	1.94	3
Indirect	3	3	3	-	1	3	3	-	3	3	3	3	3
Direct 80%	1.94	1.35	1.45	-	-	1.39	1.22	-	1.32	1.28	1.46	1.94	1.4
Indirect 20%	0.6	0.6	0.6	•		0.6	0.6	-	0.6	0.6	0.6	0.6	0.6
Overall	1.27	0.97	1.02	-	•	0.99	0.91	-	0.96	0.94	1.03	1.27	1

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5	5			5				
J	5			3				
	5	5 5	5 5	5 5				

