

**1.1.3 List of courses with focus on
Competency/employability/entrepreneurship/skill development offered
either by the University or in collaboration with partner institution/
industries**

Jawaharlal Nehru Medical College, Belagavi

Course Code	Course	Competency	Employability	Entrepreneurship	Skill development
U.G. Programs					
AA1	MBBS	✓	✓	✓	✓
B.Sc. Allied Course					
AB2	B.Sc. Medical Lab Technology	✓	✓	✓	✓
AC2	B.Sc. Radiography	✓	✓		✓
AE2	B.Sc. Cardiac Care Technology	✓	✓		✓
AF2	B.Sc. Perfusion Care Technology	✓	✓		✓
AD	B.Sc. Anaesthesia Technology	✓	✓		✓
AG	B.Sc. Neuro-Science Technology	✓	✓		✓
AH	B.Sc. Physician Assistant	✓	✓		✓
AI	Bachelor of Public Health (BPH)	✓	✓		✓
AJ	Bachelor of Public Health Hons	✓	✓		✓
AO	B.Sc. Critical Care Technology	✓	✓		✓
AQ	B.Sc. Emergency Medicine Technology	✓	✓		✓
AP	B.Sc. Endoscopy Technology	✓	✓		✓
LU	Bachelor of Prosthetics & Orthotics	✓	✓	✓	✓
MD/ MS					
FL 31	Master in Public Health	✓	✓	✓	✓
BG	General Medicine	✓	✓	✓	✓
BM	Paediatrics	✓	✓	✓	✓
BT	Dermatology	✓	✓	✓	✓
BA	Anaesthesiology	✓	✓	✓	✓
BS	Radio-Diagnosis	✓	✓	✓	✓
BR	Pulmonary Medicine	✓	✓	✓	✓
BQ	Psychiatry	✓	✓	✓	✓
BN	Pathology	✓	✓	✓	✓
BI	Microbiology	✓	✓	✓	✓
BO	Pharmacology	✓	✓	✓	✓
BD	Community Medicine	✓	✓	✓	✓

BF	Forensic Medicine	✓	✓	✓	✓
BP	Physiology	✓	✓	✓	✓
BC	Biochemistry	✓	✓	✓	✓
BH	General Surgery	✓	✓	✓	✓
BJ	Obst.& Gynaecology	✓	✓	✓	✓
BL	Orthopedic	✓	✓	✓	✓
BK	Ophthalmology	✓	✓	✓	✓
BE	ENT	✓	✓	✓	✓
BB	Anatomy	✓	✓	✓	✓
FL31	MPH in Epidemiology	✓	✓	✓	✓
FL 31	MPH in Health Economics and Outcomes Research	✓	✓	✓	✓
FS	MPH in Health Care Quality and Safety	✓	✓	✓	✓
M. Sc Allied Courses					
FE	M.Sc. Perfusion Technology (Medical)	✓	✓	✓	✓
FF	M.Sc Echocardiography (Medical)	✓	✓	✓	✓
FA1	Anatomy (Medical)	✓	✓	✓	✓
FB1	Physiology (Medical)	✓	✓	✓	✓
FC1	Biochemistry (Medical)	✓	✓	✓	✓
FDI	M.Sc in Microbiology (Medical)	✓	✓	✓	✓
FG	M.Sc in Clinical Research	✓	✓	✓	✓
...	M.Sc in Immunology	✓	✓	✓	✓
FM	M.Sc in Psychology	✓	✓	✓	✓
FI	MSc Epidemiology	✓	✓	✓	✓
FH	MSc Biostatistics	✓	✓	✓	✓
FN	M.Sc Nutrition & Dietetics	✓	✓	✓	✓
FK2	Hospital Administration	✓	✓	✓	✓
...	M.Sc. Population Studies	✓	✓	☐	✓
...	M.Sc. Biotechnology	✓	✓	☐	✓
PG Diploma Course					
CV	Diabetology	✓	✓	✓	✓
Super Speciality D.M/M.Ch					
DD	M.Ch. Urology	✓	✓	✓	✓
DC	M.Ch (CTVS)	✓	✓	✓	✓
DB	D.M. Neruolgoy	✓	✓	✓	✓
DA	D.M. Cardiology	✓	✓	✓	✓
DE	M.Ch Plastic Surgery	✓	✓	✓	✓
DG	M.Ch Neuro Surgery	✓	✓	✓	✓
DH	M.Ch Paediatric Surgery	✓	✓	✓	✓
DF	D.M.Cardiac Anaesthesia	✓	✓	✓	✓

...	D.M. Nephrology	✓	✓	✓	✓
...	D.M. Gastroenterology	✓	✓	✓	✓
...	M.Ch. Surgical Oncology	✓	✓	✓	✓

Fellowship Courses

...	Neonatology	✓	✓	✓	✓
EE	Paediatric Urology	✓	✓	✓	✓
EG	Non-invasive Cardiology	✓	✓	✓	✓
EH	Cleft & Craniofacial Surgery	✓	✓	✓	✓
EJ	Micro Ear Surgery	✓	✓	✓	✓

KLE V K Institute of Dental Sciences, Belagavi

2BDS	GENERAL HUMAN ANATOMY, INCL. EMBRYOLOGY, OSTEOLOGY & HISTOLOGY	✓	-	-	✓
2BDS	GENERAL HUMAN PHYSIOLOGY, BIOCHEMISTRY, NUTRITION & DIETICS	✓	-	-	✓
2BDS	DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY	✓	✓	✓	✓
2BDS	GENERAL PATHOLOGY & MICROBIOLOGY	✓	-	-	✓
2BDS	GENERAL & DENTAL PHARMACOLOGY & THERAPEUTICS	✓	-	-	✓
2BDS	DENTAL MATERIALS	✓	-	-	✓
2BDS	PRE - CLINICAL CONSERVATIVE DENTISTRY	✓	-	-	-
2BDS	PRE - CLINICAL PROSTHODONTICS AND CROWN & BRIDGE	✓	✓	-	✓
2BDS	GENERAL SURGERY	✓	-	-	-
2BDS	GENERAL MEDICINE	✓	-	-	✓
2BDS	ORAL PATHOLOGY & MICROBIOLOGY	✓	✓	✓	✓
2BDS	PROSTHODONTICS AND CROWN & BRIDGE	✓	✓	✓	✓
2BDS	CONSERVATIVE DENTISTRY AND ENDODONTICS	✓	✓	✓	✓
2BDS	PAEDODONTICS AND PREVENTIVE DENTISTRY	✓	✓	✓	✓
2BDS	ORAL AND MAXILLOFACIAL SURGERY	✓	✓	✓	✓
2BDS	PERIODONTICS	✓	✓	✓	✓
2BDS	ORTHODONTICS	✓	✓	✓	✓

2BDS	ORAL MEDICINE AND RADIOLOGY	✓	✓	✓	✓
2BDS	PUBLIC HEALTH DENTISTRY	✓	✓	✓	✓

KLE B M K Ayurveda Mahavidyalaya, Belagavi

Course code	Course	Competency	Employability	Entrepreneurship	Skill – Development
KA1	BAMS	✓	✓	✓	✓
KB11, KB12	Rasashastra and Bhaishajya Kalpana	✓	✓	✓	✓
KC11, KC12	Dravyaguna	✓	✓	✓	✓
KH11, KH12	Agadatantra Evum Vyavhar Ayurveda	✓	✓	✓	✓
KE11, KE12	Shalyatantra	✓	✓	✓	✓
KD11, KD12	Kayachikitsa	✓	✓	✓	✓
KV11, KV12	Kayachikitsa- Rasayana evam Vajikarana	✓	✓	✓	✓
KF11, KF12	Kaumarabhritya	✓	✓	✓	✓
KG11, KG12	Panchakarma	✓	✓	✓	✓
KU11, KU12	Shalakyatantra	✓	✓	✓	✓
KW11, KW12	Swasthavitrittha and Yoga	✓	✓	✓	✓
...	Fellowship Programme in Ayurcardiology	✓	✓	✓	✓
FX	Fellowship Programme in Ayur oncology	✓	✓	✓	✓

KLE College of Pharmacy, Belagavi

B.Pharm

Course code	course	Competency	employability	entrepreneurship	skill – development
BP101T	Human anatomy and physiology I-Theory	✓	-	-	-
BP102T	Pharmaceutical analysis I-Theory	✓	✓	-	✓
BP103T	Pharmaceutics I-Theory	✓	✓	-	✓
BP104T	Pharmaceutical inorganic chemistry-Theory	✓	-	-	✓
BP105T	Communication skills-Theory	✓	✓	-	✓
BP106T	Remedial biology-Theory	✓	-	-	-
RBT					
BP106T	Remedial mathematics -Theory	✓	-	-	-

RMT					
BP107P	Human anatomy and physiology I-Practical	√	-	-	√
BP108P	Pharmaceutical analysis I- Practical	√	-	√	√
BP109P	Pharmaceutics I- Practical	-	-	-	√
BP110P	Pharmaceutical inorganic chemistry-Practical	√	-	√	√
BP111P	Communication skills- Practical	√	√	-	√
BP112R BP	Remedial biology- Practical	√	-	-	√
BP201T	Human anatomy and physiology II-Theory	√	-	-	√
BP202T	Pharmaceutical organic chemistry I-Theory	√	-	-	√
BP203T	Biochemistry-Theory	√	-	-	√
BP204T	Pathophysiology –Theory	√	-	-	√
BP205T	Computer applications in pharmacy - Theory	√	√	-	√
BP206T	Human anatomy and physiology II-Practical	√	√	-	√
BP207P	Pharmaceutical organic chemistry I-Practical	√	-	-	√
BP208P	Biochemistry- Practical	√	-	-	√
BP209P	Pathophysiology - Practical	√	-	-	√
BP210P	Computer applications in pharmacy - Practical	√	√	-	√
BP301T	Pharmaceutical organic chemistry II-Theory	√	-	-	√
BP302T	Physical pharmaceutics I-Theory	√	√	-	√
BP303T	Pharmaceutical Microbiology-Theory	√	-	-	√
BP304T	Pharmaceutical Engineering-Theory	√	√	√	√
BP305P	Pharmaceutical organic chemistry II-Practical	√	-	-	√
BP306P	Physical pharmaceutics I- Practical	-	-	-	√
BP307P	Pharmaceutical Microbiology- Practical	√	-	-	√
BP308P	Pharmaceutical Engineering- Practical	-	-	-	√
BP401T	Pharmaceutical organic chemistry III-Theory	√	√	-	√
BP402T	Medicinal chemistry I-Theory	√	-	-	√
BP403T	Physical pharmaceutics II-Theory	√	√	-	√
BP404T	Pharmacology I -Theory	√	√	-	-

BP405T	Pharmacognosy and phytochemistry I-Theory	√	√	-	-
BP406P	Medicinal chemistry I-Practical	√	-	-	√
BP407P	Physical pharmaceutics II- Practical	-	-	-	√
BP408P	Pharmacology I - Practical	-	√	-	√
BP409P	Pharmacognosy and phytochemistry I-Practical	√	√	-	√
BP501T	Medicinal chemistry II-Theory	√	-	-	√
BP502T	Industrial pharmacy I-Theory	√	√	√	√
BP503T	Pharmacology II -Theory	√	√	-	-
BP504T	Pharmacognosy and phytochemistry II-Theory	√	√	-	-
BP505T	Pharmaceutical Jurisprudence-Theory	√	√	√	√
BP506P	Industrial pharmacy I- Practical	-	√	-	√
BP507P	Pharmacology II - Practical	-	√	-	√
BP508P	Pharmacognosy and phytochemistry II-Practical	√	√	-	√
BP601T	Medicinal chemistry III-Theory	√	-	-	√
BP602T	Pharmacology III-Theory	√	-	√	√
BP603T	Herbal drug technology-Theory	√	√	√	-
BP604T	Biopharmaceutics and Pharmacokinetics - Theory	√	-	-	√
BP605T	Pharmaceutical biotechnology-Theory	√	-	-	√
BP606T	Quality Assurance-Theory	√	√	√	√
BP607P	Medicinal chemistry III-Practical	√	-	-	√
BP608P	Pharmacology III- Practical	√	√	-	√
BP609P	Herbal drug technology- Practical	√	√	-	√
BP701T	Instrumental methods of analysis-Theory	√	√	√	√
BP702T	Industrial pharmacy II-Theory	√	√	√	√
BP703T	Pharmacy practice-Theory	√	√	-	√
BP704T	Novel drug delivery systems-Theory	√	-	-	√
BP705P	Instrumental methods of analysis- Practical	√	√	√	√
BP706PS	Practice School	√	-	-	√
BP801T	Biostatistics and research methodology	√	√	-	√
BP802T	Social and preventive pharmacy	√	-	-	√

BP803E T	Pharma marketing and management	√	√	√	√
BP804E T	Pharmaceutical regulatory science	√	√	√	√
BP805E T	Pharmacovigilance	√	√	√	√
BP806E T	Quality control and standardization of herbals	√	√	-	-
BP807E T	Computer aided drug design	√	-	√	√
BP808E T	Cell and molecular biology	√	√	-	√
BP809E T	Cosmetic science	√	√	√	√
BP810E T	Experimental pharmacology		√	√	√
BP811E T	Advanced instrumentation techniques	√	√	√	√
BP812E T	Dietary supplements and nutraceuticals	√	√	√	√
BP813P W	Project work	√	√	-	√

Pharm. D

Course code	course	Competency	employability	entrepreneurship	skill – development
1.1	Human Anatomy and Physiology -Theory	√	-	-	√
	Human Anatomy and Physiology - Practical	-	√	-	√
1.2	Pharmaceutics -Theory	√	√	-	√
	Pharmaceutics - Practical	√	-	-	√
1.3	Medicinal Biochemistry-Theory	√	-	-	√
	Medicinal Biochemistry- Practical	√	-	-	√
1.4	Pharmaceutical Organic Chemistry - Theory	√	√	-	√
	Pharmaceutical Organic Chemistry - Practical	√	√	-	√
1.5	Pharmaceutical Inorganic Chemistry - Theory	√	-	-	√
	Pharmaceutical Inorganic Chemistry - Practical	√	-	-	√
1.6	Remedial Mathematics/ Biology -Theory	√	-	-	-
	Remedial Biology- Practical	√	-	-	-
2.1	Pathophysiology –Theory	√	-	-	√

2.2	Pharmaceutical Microbiology -Theory	√	-	-	√
	Pharmaceutical Microbiology - Practical	√	-	-	√
2.3	Pharmacognosy & Phytopharmaceuticals - Theory	√	-	-	-
	Pharmacognosy & Phytopharmaceuticals - Practical	-	-	-	√
2.4	Pharmacology-I -Theory	√	√	-	-
2.5	Community Pharmacy-Theory	√	√	√	√
2.6	Pharmacotherapeutics-I –Theory	√	-	-	√
		√			
	Pharmacotherapeutics-I Practical	√	-	-	√
3.1	Pharmacology-II	√	√	-	-
	-Theory				
	Pharmacology-II	-	√	√	√
	- Practical				
3.2	Pharmaceutical Analysis -Theory	√	-	-	√
	Pharmaceutical Analysis - Practical	√	-	-	√
3.3	Pharmacotherapeutics-II -Theory	√	-	-	√
	Pharmacotherapeutics-II - Practical	√	-	-	√
3.4	Pharmaceutical Jurisprudence -Theory	√	√	√	-
3.5	Medicinal Chemistry	√	-	-	√
	-Theory				
	Medicinal Chemistry	√	-	-	√
	-Practical				
3.6	Pharmaceutical Formulations -Theory	√	√	√	√
	Pharmaceutical Formulations - Practical	√	-	-	√
4.1	Pharmacotherapeutics-III -Theory	√	-	-	√
	Pharmacotherapeutics-III -Practical	√	-	-	√
4.2	Hospital Pharmacy	√	√	-	√
	-Theory				
	Hospital Pharmacy	√	√	-	√
	- Practical				
4.3	Clinical Pharmacy	√	√	-	√
	-Theory				
	Clinical Pharmacy	√	√	-	√
	- Practical				
4.4	Biostatistics & Research Methodology	√	√	-	√

	-Theory				
4.5	Biopharmaceutics & Pharmacokinetics	√	√	-	√
	-Theory				
	Biopharmaceutics & Pharmacokinetics	-	-	-	√
	-Practical				
4.6	Clinical Toxicology	√	-	-	√
	-Theory				
5.1	Clinical Research	√	√	-	√
	-Theory				
5.2	Pharmacoepidemiology and Pharmacoeconomics	√	-	-	√
	-Theory				
5.3	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	√	-	-	√
	-Theory				
5.4	Clerkship -Seminar	√	-	-	√
5.5	Project work -Practical	√	-	-	√
6	Internship	√	-	-	√

M. Pharm (Pharmaceutics)

Course code	Course	competen cy	employabili ty	entrepreneurs hip	skill – developme nt
MPH101 T	Modern pharmaceutical analytical techniques	√	√	-	√
MPH102 T	Drug delivery system	√	√	-	√
MPH103 T	Modern pharmaceutics	√	√	-	√
MPH104 T	Regulatory affair	√	√	-	√
MPH105 P	Pharmaceutics practical-I	√	-	-	√
MPH201 T	Molecular pharmaceutics(Nano Tech and Targetted DDS)	√	√	-	√
MPH202 T	Advanced biopharmaceutics and pharmacokinetics	√	√	-	√
MPH203 T	Computer aided drug delivery system	√	√	-	√
MPH204 T	Cosmetics and cosmeceuticals	√	√	-	√
MPH205 P	Pharmaceutics practical-II	-	-	-	√
MRM30 1T	Research methodology and biostatistics	√	√	-	√

M. Pharm (Pharmaceutical Chemistry)

Course code	Course	Competency	employability	entrepreneurship	skill – development
MPC101 T	Modern pharmaceutical analytical techniques	√	√	√	√
MPC102 T	Advanced organic chemistry -I	√	-	-	√
MPC103 T	Advanced medicinal chemistry	√	-	-	√
MPC104 T	Chemistry of natural products	√	-	-	√
MPC105 P	Pharmaceutical chemistry practical I	√	√	√	√
MPC201 T	Advanced spectral analysis	√	-	-	√
MPC202 T	Advanced organic chemistry -II	√	-	-	√
MPC203 T	Computer aided drug design	√	-	√	√
MPC204 T	Pharmaceutical process chemistry	√	-	√	√
MPC205 P	Pharmaceutical chemistry practical II	√	√	√	√
MRM30 1T	Research methodology and biostatistics	√	-	-	√

M. Pharm (Pharmaceutical Quality Assurance)

Course code	Course	competency	employability	Entrepreneurship	skill – development
MQA101 T	Modern pharmaceutical analytical techniques	√	√	-	√
MQA102 T	Quality management system	√	√	√	√
MQA103 T	Quality control and quality assurance	√	√	-	√
MQA104 T	Product development and technology transfer	√	√	-	√
MQA105 P	PQA practical I	-	-	-	√
MQA201 T	Hazards and safety management	√	√	√	√
MQA202 T	Pharmaceutical validation	√	√	-	√
MQA203 T	Audits and regulatory compliance	√	√	-	√
MQA204	Pharmaceutical manufacturing technology	√	√	√	√

T					
MQA205 P	PQA practical II	-	-	-	√
MRM30 1T	Research methodology and biostatistics	√	√	-	√

M. Pharm (Pharmacy practice)

Course code	Course	Competency	employability	entrepreneurship	skill – development
MPP101 T	Clinical pharmacy practice	√	√	-	√
MPP102 T	Pharmacotherapeutics I	√	√	-	√
MPP103 T	Hospital and community pharmacy	√	√	√	√
MPP104 T	Clinical research	√	√	√	√
MPP105 P	Pharmacy practice practicalII	√	√	-	√
MPP201 T	Principles of quality use of medicines	√	-	-	√
MPP202 T	Pharmacotherapeutics II	√	-	-	√
MPP203 T	Clinical pharmacokinetics and therapeutic drug monitoring	√	-	-	√
MPP204 T	Pharmacoepidemiology and Pharmacoeconomics	√	-	-	√
MPP205 P	Pharmacy practice practicalIII	√	√	-	√
MRM30 1T	Research methodology and biostatistics	√	√	-	√

M. Pharm (Pharmacology)

Course code	Course	competency	employability	entrepreneurship	skill – development
MPL101 T	Modern pharmaceutical analytical techniques	√	√	-	√
MPL102 T	Advanced pharmacology-I	√	-	-	√
MPL103 T	Pharmacological and toxicological screening methods-I	-	√	√	√
MPL104 T	Cellular and molecular pharmacology	√	-	-	√
MPL105 P	Pharmacology practical I	-	√	-	√
MPL201 T	Advanced pharmacology-I	√	√	-	√

MPL202 T	Pharmacological & toxicological screening methods-II	-	√	√	√
MPL203 T	Principles of drug discovery	√	√	-	-
MPL204 T	Clinical research and pharmacovigilance	√	√	-	-
MPL205 P	Pharmacology practical II	-	√	√	√
MRM30 1T	Research methodology and biostatistics	-	√	-	√

M. Pharm (Pharmacogony)

Course code	course	Competency	employability	entrepreneurship	skill – development
MPG101 T	Modern pharmaceutical analytical techniques	√	√	-	-
MPG102 T	Advanced pharmacognosy-I	√	√	-	-
MPG103 T	Phytochemistry	√	√	-	-
MPG104 T	Industrial pharmacognostical technology	√	√	-	-
MPG105 P	Pharmacognosy practicalII	√	√	-	√
MPG201 T	Medicinal plant biotechnology	√	√	-	-
MPG202 T	Advanced pharmacognosy-II	√	√	-	-
MPG203 T	Indian system of medicine	√	√	-	-
MPG204 T	Herbal cosmetics	√	√	-	-
MPG205 P	Pharmacognosy practicalIII	√	√	-	√
MRM30 1T	Research methodology and biostatistics	√	√	-	-

KLE College of Pharmacy, Bengaluru

B. Pharm I semester

Course code	Course	competency	employability	entrepreneurship	skill – development
BP101T	Human Anatomy and Physiology	√	-	-	-
	I– Theory				
BP102T	Pharmaceutical Analysis	√	√	-	-
	I – Theory				
BP103T	Pharmaceutics I – Theory	√	√	-	-

BP104T	Pharmaceutical Inorganic	√	√	-	-
	Chemistry – Theory				
BP105T	Communication skills – Theory *	-	-	-	-
BP106R BT	Remedial Biology/	-	-	-	-
BP106R MT	Remedial Mathematics –Theory*				
BP107P	Human Anatomy and Physiology	√	-	-	√
	– Practical				
BP108P	Pharmaceutical Analysis	√	√		√
	I – Practical				
BP109P	Pharmaceutics I – Practical	√	√	-	√
BP110P	Pharmaceutical Inorganic	-	√	-	√
	Chemistry – Practical				
BP111P	Communication skills – practical*	-	-	-	-
BP112R BP	Remedial Biology – Practical*	-	-	-	√

B. Pharm II semester

Course code	Course	competen cy	employabili ty	entrepreneurs hip	skill – developme nt
BP201T	Human Anatomy and	√	-	-	
	Physiology II – Theory				
BP202T	Pharmaceutical Organic	-	√	-	
	Chemistry I – Theory				
BP203T	Biochemistry – Theory	√	√	-	
BP204T	Pathophysiology – Theory	√	-	-	
BP205T	Computer Applications in	-	-	-	
	Pharmacy – Theory *				
BP206T	Environmental sciences –	-	-	-	
	Theory *				
BP207P	Human Anatomy and	√	-	-	
	Physiology II –Practical				
BP208P	Pharmaceutical Organic	-	√	√	
	Chemistry I– Practical				
BP209P	Biochemistry – Practical	-	√	√	
BP210P	Computer Applications in	-	-	-	
	Pharmacy – Practical*				

B. Pharm III semester

Course code	Course	Competen cy	Employabil ity	Entrepreneurs hip	Skill – Developme nt
BP301T	Pharmaceutical Organic	-	√	-	-

	Chemistry II – Theory				
BP302T	Physical Pharmaceutics I	√	√	-	-
	– Theory				
BP303T	Pharmaceutical	√	√	-	-
	Microbiology – Theory				
BP304T	Pharmaceutical	√	√	-	-
	Engineering – Theory				
BP305P	Pharmaceutical Organic	-	√	√	√
	Chemistry II – Practical				
BP306P	Physical Pharmaceutics I	√	√	-	√
	– Practical				
BP307P	Pharmaceutical	√	√	-	√
	Microbiology – Practical				
BP 308P	Pharmaceutical	√	√	-	√
	Engineering –Practical				

B. Pharm IV semester

Course code	Course	Competency	Employability	Entrepreneurship	Skill – Development
BP401T	Pharmaceutical Organic	-	√	-	-
	Chemistry III– Theory				
BP402T	Medicinal Chemistry I –	√	√	-	-
	Theory				
BP403T	Physical Pharmaceutics II	√	-	-	-
	– Theory				
BP404T	Pharmacology I – Theory	√	-	-	-
BP405T	Pharmacognosy and Phytochemistry I– Theory	√	-	-	-
BP406P	Medicinal Chemistry I –	√	√		√
	Practical				
BP407P	Physical Pharmaceutics II	√	√	-	√
	– Practical				
BP408P	Pharmacology I – Practical	√	-	-	-
BP409P	Pharmacognosy and	√	√	√	√
	Phytochemistry I – Practical				

B. Pharm V semester

Course code	Course	Competency	Employability	Entrepreneurship	Skill – Development
BP501T	Medicinal Chemistry II –	-	√	-	
	Theory				
BP502T	Industrial PharmacyI–	√	√	√	

	Theory				
BP503T	Pharmacology II – Theory	√	√	-	
BP504T	Pharmacognosy and	-	-	-	
	Phytochemistry II– Theory				
BP505T	Pharmaceutical Jurisprudence – Theory	√	√	√	
BP506P	Industrial PharmacyI –	√	√	√	
	Practical				
BP507P	Pharmacology II – Practical	√	√	√	
BP508P	Pharmacognosy and	-	-	-	
	Phytochemistry II – Practical				

B. Pharm VI semester

Course code	Course	Competency	Employability	Entrepreneurship	Skill – Development
BP601T	Medicinal Chemistry III –	-	√	-	-
	Theory				
BP602T	Pharmacology III – Theory	√	√	-	-
BP603T	Herbal Drug Technology –	√	√	-	√
	Theory				
BP604T	Biopharmaceutics and	√	√	-	-
	Pharmacokinetics – Theory				
BP605T	Pharmaceutical	√	√	-	-
	Biotechnology – Theory				
BP606T	Quality Assurance –Theory	√	√	-	-
BP607P	Medicinal chemistry III –	-	√	-	√
	Practical				
BP608P	Pharmacology III –	√	√	√	√
	Practical				
BP609P	Herbal Drug Technology –	√	√	√	√
	Practical				

B. Pharm VII semester

Course code	Course	Competency	Employability	Entrepreneurship	Skill – Development
BP701T	Instrumental Methods of	√	√	√	-
	Analysis – Theory				
BP702T	Industrial PharmacyII –	√	√	√	-
	Theory				
BP703T	Pharmacy Practice –	√	-	-	-
	Theory				
BP704T	Novel Drug Delivery	√	√	√	-
	System – Theory				

BP705P	Instrumental Methods of Analysis – Practical	√	√	√	√
BP706PS	Practice School*	√	-	-	-

B. Pharm VIII semester

Course code	Course	Competency	Employability	Entrepreneurship	Skill – Development
BP801T	Biostatistics and Research Methodology	√	√	-	-
BP802T	Social and Preventive Pharmacy				
BP803ET	Pharma Marketing Management	√	√	√	-
BP804ET	Pharmaceutical Regulatory Science	√	√	-	-
BP805ET	Pharmacovigilance	√	√	-	-
BP806ET	Quality Control and Standardization of Herbals	√	√	√	-
BP807ET	Computer Aided Drug Design	√	√	√	√
BP808ET	Cell and Molecular Biology				
BP809ET	Cosmetic Science	√	√	-	-
BP810ET	Experimental Pharmacology				
BP811ET	Advanced Instrumentation Techniques	√	√	√	√
BP812ET	Dietary Supplements and Nutraceuticals	√	√	-	-
BP813PW	Project Work	-	-	-	-

M. Pharm. 1st Semester (Pharmaceutics)

Course code	Course	Competency	Employability	Entrepreneurship	Skill – Development
	Modern Pharmaceutical Analytical				
MPH101T	Techniques	√	√	√	
MPH102T	Drug Delivery System	√	√	-	

MPH103 T	Modern Pharmaceutics	√	√	-	
MPH104 T	Regulatory Affair	√	√	-	
MPH105 P	Pharmaceutics Practical I	√	√	-	

M.Pharm.2nd Semester (Pharmaceutics)

Course code	Course	Competency	Employability	Entrepreneurship	Skill – Development
	Molecular Pharmaceutics (Nano Tech and Targeted DDS)	√	√	√	-
MPH201 T					
MPH202 T	Advanced Biopharmaceutics & Pharmacokinetics	√	√	-	-
MPH203 T	Computer Aided Drug Delivery System	√	√	√	√
MPH204 T	Cosmetic and Cosmeceuticals				
MPH205 P	Pharmaceutics Practical I	√	√	-	√

M.Pharm.1st Semester (Pharmaceutical chemistry)

Course code	Course	Competency	Employability	Entrepreneurship	Skill – Development
	Modern Pharmaceutical Analytical Techniques	√	√	√	
MPC101 T					
MPC102 T	Advanced Organic Chemistry -I	√	-	-	
MPC103 T	Advanced Medicinal chemistry	√	-	-	
MPC104 T	Chemistry of Natural Products	√	-	-	
MPC105 P	Pharmaceutic al Chemistry Practical I	√	-	-	

M.Pharm.2nd Semester (Pharmaceutical Chemistry)

Course code	Course	Competency	Employability	Entrepreneurship	Skill – Development
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MPC201 T	Advanced Spectral Analysis	√	√	√	√
MPC202 T	Advanced				
	Organic Chemistry -II	√	-	-	√
MPC203 T	Computer Aided	√	-	-	√
	Drug Design				
MPC204 T	Pharmaceutic al Process				
	Chemistry	√	-	-	√
	Pharmaceutical				
MPC205 P	Chemistry Practical II	√	-	-	√

M.Pharm.1st Semester (Pharmacology)

Course code	Course	Competen cy	Employabil ity	Entrepreneurs hip	Skill – Developme nt
	Modern Pharmaceutical Analytical				
MPL101 T	Techniques	√	√	√	√
MPL102 T	Advanced	√	√	√	√
	Pharmacology-I				
	Pharmacological and Toxicological				
MPL103 T	Screening Methods-I	√	√	√	√
MPL104 T	Molecular	√	√	√	√
	Pharmacology				
MPL105 P	Experimental	√	√	√	√
	Pharmacology - I				

M.Pharm.2nd Semester (Pharmacology)

Course code	Course	Competen cy	Employabil ity	Entrepreneurs hip	Skill – Developme nt
MPL201 T	Advanced	√	√	√	√
	Pharmacology II				
	Pharmacological and Toxicological Screening				
MPL102 T	Methods-II	√	√	√	√
MPL203 T	Principles of Drug Discovery	√	√	-	√
MPL204 T	Clinical research	√	√	√	√
	pharmacovigilance				
MPL205	Experimental	√	√	√	√

P	Pharmacology -II				
Pharm.D 1stYear					
Course code	Course	Competency	Employability	Entrepreneurship	Skill – Development
1.1T	Human anatomy and physiology Theory	-	-	-	-
1.2T	Pharmaceutics Theory	√	-	-	√
1.3T	Medicinal Biochemistry Theory	√	√	-	√
1.4T	Pharmaceutical organic Chemistry Theory	-	√	-	-
1.5T	Pharmaceutical inorganic Chemistry Theory	-	-	-	-
1.6T	Remedial Mathematics/Biology Theory	√	-	-	-
1.1P	Human anatomy and physiology Practical	-	-	-	-
1.2P	Pharmaceutics Practical	√	-	-	√
1.3P	Medicinal Biochemistry Practical	√	√	-	√
1.4P	Pharmaceutical organic Chemistry Practical	-	√	-	-
1.5P	Pharmaceutical inorganic Chemistry Practical	-	-	-	-
Pharm.D 2nd Year					
Course code	Course	Competency	Employability	Entrepreneurship	Skill – Development
2.1T	Pathophysiology	√	-	-	√
2.2T	Pharmaceutical Microbiology	√	√	-	√
2.3T	Pharmacognosy and Phytopharmaceuticals	-	√	√	-
2.4T	Pharmacology-I	√	√	-	√
2.5T	Community Pharmacy	√	√	√	√
2.6T	Pharmacotherapeutics-I	√	√	-	√
2.7T	Environmental Studies	-	-	-	√
2.2P	Pharmaceutical Microbiology	√	√	-	√
2.3P	Pharmacognosy and Phytopharmaceuticals	-	√	√	-
2.4P	Pharmacology-I	√	√	-	√
2.6P	Pharmacotherapeutics-I	√	√	-	√
Pharm.D 3rd Year					

Course code	Course	Competency	Employability	Entrepreneurship	Skill – Development
3.1T	Pharmacology-II	√	√	-	√
3.2T	Pharmaceutical Analysis	√	√	-	√
3.3T	Pharmacotherapeutics-II	√	√	-	√
3.4T	Pharmaceutical Jurisprudence	√	-	-	√
3.5T	Medicinal Chemistry	√	√	-	√
3.6T	Pharmaceutical Formulations	√	√	-	√
3.7T	Law-Indian Constitution	-	-	-	-
3.1P	Pharmacology-II	√	√	-	√
3.2P	Pharmaceutical Analysis	√	√	-	√
3.3P	Pharmacotherapeutics-II	√	√	-	√
3.5P	Medicinal Chemistry	√	√	-	√
3.6P	Pharmaceutical Formulations	√	√	-	√

Pharm.D 4th Year

Course code	Course	Competency	Employability	Entrepreneurship	Skill – Development
4.1T	Pharmacotherapeutics-III	√	√	-	√
4.2T	Hospital Pharmacy	√	√	-	√
4.3T	Clinical Pharmacy	√	√	-	√
4.4T	Biostatistics & Research methodology	√	√	-	√
4.5T	Biopharmaceutics & Pharmacokinetics	√	√	√	√
4.6T	Clinical Toxicology	√	-	-	√
4.1P	Pharmacotherapeutics-III	√	√	-	√
4.2P	Hospital Pharmacy	√	√	-	√
4.3P	Clinical Pharmacy	√	√	-	√
4.5P	Biopharmaceutics & Pharmacokinetics	√	√	√	√

Pharm.D 5th Year

Course code	Course	Competency	Employability	Entrepreneurship	Skill – development
5.1	Clinical Research	√	√	√	
5.2	Pharmacoepidemiology&pharmacoeconomics	√	√	√	
5.3	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	√	√	√	

KLE College of Pharmacy, Hubballi

Course code	Course	Competency	Employability	Entrepreneurship	Skill – development
1ST SEM					
BP101T	Human Anatomy and Physiology I Theory	√	-	-	-
BP102T	Pharmaceutical Analysis-I Theory	√	-	-	-
BP103T	Pharmaceutics-I Theory	√	-	-	-
BP104T	Pharmaceutical Inorganic Chemistry Theory	√	-	-	-
BP105T	Communication Skills Theory *	√	-	-	-
BP106R BT	Remedial Biology/	√	-	-	-
BP106R MT					
	Remedial Mathematics Theory*				
BP107P	Human Anatomy and Physiology I Practical	√	√	-	-
BP108P	Pharmaceutical Analysis-I Practical	√	√	-	-
BP109P	Pharmaceutics-I Practical	√	√	-	-
BP110P	Pharmaceutical Inorganic Chemistry Practical	√	√	-	-
BP111P	Communication Skills Practical*	√	√	-	-
BP112R BP	Remedial Biology-Practical	√	-	-	-
2ND SEM					
BP201T	Human Anatomy and Physiology II-Theory	√	-	-	-
BP202T	Pharmaceutical Organic Chemistry I Theory	√	-	-	-
BP203T	Biochemistry Theory	√	-	-	-
BP204T	Pathophysiology Theory	√	-	-	-
BP205T	Computer Applications in Pharmacy Theory*	√	√	-	√
BP206T	Environmental Sciences Theory *	-	-	-	√
BP207P	Human Anatomy and Physiology II Practical	√	-	-	√
BP208P	Pharmaceutical Organic Chemistry I Practical	√	-	-	√
BP209P	Biochemistry Practical	√	√	-	√
BP210P	Computer Applications in Pharmacy Practical*	√	√	-	√

3 RD SEM					
BP301T	Pharmaceutical Organic Chemistry II Theory	√	-	-	-
BP302T	Physical Pharmaceutics I Theory	√	-	-	-
BP303T	Pharmaceutical Microbiology Theory	√	-	-	-
BP304T	Pharmaceutical Engineering Theory	√	√	√	√
BP305P	Pharmaceutical Organic Chemistry II Practical	√	√	√	√
BP306P	Physical Pharmaceutics I Practical	√	-	-	√
BP307P	Pharmaceutical Microbiology Practical	√	√	-	√
BP308P	Pharmaceutical Engineering II Practical	√	√	√	√
4 TH SEM					
BP401T	Pharmaceutical Organic Chemistry III Theory	√	-	-	-
BP402T	Medicinal Chemistry I Theory	√	-	-	-
BP403T	Physical Pharmaceutics II Theory	√	-	-	-
BP404T	Pharmacology I Theory	√	-	-	-
BP405T	Pharmacognosy and Physiochemistry I Theory	√	-	-	-
BP406P	Medicinal Chemistry I Practical	√	√	√	√
BP407P	Physical Pharmaceutics II Practical	√	-	√	√
BP408P	Pharmacology I Practical	√	√	√	√
BP409P	Pharmacognosy and Physiochemistry I Practical	√	√	√	√
5 TH SEM					
BP501T	Medicinal Chemistry-II Theory	√	-	√	
BP502T	Industrial Pharmacy I Theory	√	√		√
BP503T	Pharmacology II Theory	√	-	√	
BP504T	Pharmacognosy and Phytochemistry II Theory	√	-	-	√
BP505T	Pharmaceutical Jurisprudence Theory	√	√	√	√
BP506P	Industrial Pharmacy I Practical			√	
BP507P	Pharmacology-II Practical	√	√	-	√
BP508P	Pharmacognosy and Phytochemistry II Practical	√	√	-	√
6 TH SEM					
BP601T	Medicinal Chemistry III Theory	√	√	√	√

BP602T	Pharmacology III Theory	√	√	√	√
BP603T	Herbal Drug Technology Theory Theory	√		-	√
BP604T	Biopharmaceutics and Pharmacokinetics Theory	√	√	-	√
BP605T	Pharmaceutical Biotechnology Theory	√	√	√	√
BP606T	Quality Assurance Theory	√	√	√	√
BP607P	Medicinal Chemistry III Practical	√	√	√	√
Course code	Course	Competency	Employability	Entrepreneurship	Skill – development
BP608P	Pharmacology III Practical		√	-	√
BP609P	Herbal Drug Practical	√	√	√	-
7TH SEM					
BP701T	Instrumental Method of Analysis Theory	√	√	-	√
BP702T	Industrial Pharmacy II Theory	√	√	-	√
BP703T	Pharmacy Practice Theory	√	√	-	√
BP704T	Novel Drug Delivery System Theory	√	√	-	√
BP705P	Instrumental Method of Analysis Practical	√	√	√	√
BP706PS	Practice School*	√	√	√	√
8TH SEM					
BP801T	Biostatistics and Research Methodology Theory	√	√	√	√
BP802T	Social and Preventive Pharmacy Theory	√	√	-	√
BP803ET	Pharma Marketing Management	√	√	√	√
BP804ET	Pharmaceutical Regulatory Science	√	√	√	-
BP805ET	Pharmacovigilance	√	√	√	√
BP806ET	Quality Control and Standardization of Herbals	√	√	√	√
BP807ET	Computer Aided Drug Design	√	√	√	√
BP808ET	Cell and Molecular Biology	√	√	-	
BP809ET	Cosmetic Science	√	√	-	-
BP810ET	Experimental Pharmacology	√	√	-	√
BP811ET	Advanced Instrumentation Techniques	√	√	√	√

Course code	Course	Competency	Employability	Entrepreneurship	Skill – development
BP812ET	Dietary Supplements and Nutraceuticals	√	√	-	√
BP813ET	Project Work	√	√	√	√

KLE Institute of Physiotherapy, Belagavi

Course Code	Course	Competency	employability	entrepreneurs hip	Skill- development
1BPT	Human Anatomy	✓	-	-	✓
	Human Physiology				
	Human Biochemistry				
	Human Biomechanics				
	Part-A Psychology Part-B Sociology				
	Exercise Therapy,				
2BPT	Electrotherapy & Physical Agents	✓	✓	-	✓
2BPT	Prosthetics and Orthotics	✓	✓	✓	✓
2BPT	Part-A Pathology Part -B	✓	-	-	✓
	Microbiology,				
	Pharmacology				
3BPT	General Medicine,	✓	-	-	✓
	General Surgery,				
	Community Medicine				
3BPT	Physiotherapy in general medicine and surgery Including OBG,	✓	✓	✓	✓
	Physiotherapy in CardioVascular-Thoracic				
3BPT	Research Methodology, Ethics & Evidenced Based Practice	✓	✓	✓	✓
4BPT	Clinical Orthopedics,	✓	✓	✓	✓
	Part A Neurology Part B Neurosurgery				
4BPT	Community Physiotherapy & Rehabilitation	✓	✓	✓	✓
	Physiotherapy in Orthopedics,				
	Physiotherapy in Pediatrics,				
	Physiotherapy in Neurology & Neurosurgery				
MPT (ALL ELECTIV	Physiotherapy research, biostatistics and ethics	✓	✓	✓	✓
	Basic science and physiotherapeutics	✓	✓	✓	✓

ES)	Clinical, physical and functional diagnosis in- Elective Department	✓	✓	✓	✓
	Elective subjects(OBG,Ortho,Neurology,OMT,CVT SD,Sports, Pediatrics, Oncology, CBR, Geriatrics)	✓	✓	✓	✓

KLE Institute of Nursing Sciences, Belagavi

Course code	Course	Competency	Employability	Entrepreneurship	Skill – development
AP	Anatomy & Physiology (theory)	✓			
NB	Nutrition & Biochemistry (theory)	✓			
NF	Nursing Foundation (theory)	✓			✓
PS	Psychology (theory)	✓			
MIC	Microbiology (theory)	✓			
NF	Nursing Foundation (practical)	✓	✓		✓
SOC	Sociology (theory)				
MSN	Medical Surgical Nursing-I (theory)	✓	✓		
PPG	Pharmacology, Pathology & Genetics (theory)	✓			
CHN	Community Health Nursing-I (theory)	✓			
CET	Communication & Education Technology (theory)	✓			
MSN	Medical Surgical Nursing-I (practical)	✓	✓		✓
MSN-II	Medical Surgical Nursing-II (theory)	✓			
CHN	Child Health Nursing (theory)	✓			
MHN	Mental Health Nursing (theory)	✓			
NRS	Nursing Research and Statistics (theory)	✓			

MSN-II	Medical Surgical Nursing-II (practical)	✓	✓		✓
CHN	Child Health Nursing (practical)	✓	✓		✓
MHN	Mental Health Nursing (practical)	✓	✓		✓
M&ON	Midwifery & Obstetrical Nursing (theory)	✓			
CHN	Community Health Nursing-II (theory)	✓			
MNSE	Management of Nursing Services and Education (theory)	✓			
M&ON	Midwifery & Obstetrical Nursing (practical)	✓	✓		✓
CHN	Community Health Nursing-II (practical)	✓	✓		✓
NF	Nursing Foundation (theory)	✓			
ND	Nutrition & Dietetics (theory)	✓			
BB	Biochemistry & Biophysics (theory)	✓			
PS	Psychology (theory)	✓			
MIC	Microbiology (theory)	✓			
MN	Maternal Nursing (theory)	✓			
CHN	Child Health Nursing (theory)	✓			
MSN	Medical Surgical Nursing (theory)	✓			
MSN	Medical Surgical Nursing (practical)	✓	✓		✓
MN	Maternal Nursing (practical)	✓	✓		✓
CHN	Child Health Nursing (practical)	✓	✓		✓
SOC	Sociology (theory)	✓			
CHN	Community Health Nursing (theory)	✓			

MHN	Mental Health Nursing (theory)	✓			
NE	Introduction to Nursing Education (theory)	✓			
NA	Introduction to Nursing Administration (theory)	✓			
CHN	Community Health Nursing (practical)	✓	✓		✓
MHN	Mental Health Nursing (practical)	✓	✓		✓
NE	Nursing Education (theory)	✓			
ANP	Advance Nursing Practice (theory)	✓			
NRS	Nursing Research & Statistics (theory)	✓			
MSN	Medical Surgical Nursing-I (theory)	✓			
OGN	Obstetrics & Gynecology Nursing (theory)-I	✓			
CH	Community Health Nursing-I (theory)-I	✓			
CHN	Child Health Nursing-I (theory)	✓			
MHN	Mental Health Nursing-I (theory)	✓			
NE	Nursing Education (practical)	✓			✓
MSN	Medical Surgical Nursing-I (practical)	✓	✓		✓
OGN	Obstetrics & Gynecology Nursing (practical)-I	✓	✓		✓
CH	Community Health Nursing (practical)-I	✓	✓		✓
CHN	Child Health Nursing-I (practical)	✓	✓		✓
MHN	Mental Health Nursing-I (practical)	✓	✓		✓
NM	Nursing Management (theory)	✓			
MSN	Medical Surgical Nursing-II (theory)	✓			

OGN	Obstetrics & Gynecology Nursing (theory)-II	✓			
CH	Community Health Nursing-II (theory)	✓			
CHN	Child Health Nursing-II (theory)	✓			
MHN	Mental Health Nursing-II (theory)	✓			
MSN	Medical Surgical Nursing-II (practical)	✓	✓		✓
OGN	Obstetrics & Gynecology Nursing-II (practical)	✓	✓		✓
CH	Community Health Nursing-II (practical)	✓	✓		✓
CHN	Child Health Nursing-II (practical)	✓	✓		✓
MHN	Mental Health Nursing-II (practical)	✓	✓		✓
TBAPN	Theoretical Basis for Advanced Practice Nursing (theory)	✓			
RAEBP C	Research Application and Evidence Based Practice in Critical Care (theory)	✓			
ASLMT S	Advanced skill in Leadership, Management and Teaching Skill (theory)	✓			
APAPR CC	Advanced Pathophysiology and Advanced Pharmacology relevant to critical care (theory)	✓			
AHPA	Advanced Health/ Physical assessment (theory)	✓			
AHPA	Advanced Health/ Physical assessment (practical)	✓	✓	✓	✓
FCCNP	Foundation of Critical Care Nursing Practice (practical)	✓	✓	✓	✓
CCN-I	Critical Care Nursing I (practical)	✓	✓	✓	✓
CCN-II	Critical Care Nursing II (practical)	✓	✓	✓	✓

KLE Homoeopathic Medical College, Belagavi

	Course	Competency	Employability	Entrepreneurship	Skill development
PA	Anatomy	✓			✓
	Physiology including Biochemistry	✓			✓

	Homoeopathic Pharmacy	√	√		√
	Pathology	√			√
	Forensic Medicine & Toxicology	√			√
	Homoeopathic Materia Medica	√	√		√
	Organon of Medicine with Homoeopathic Philosophy	√	√		√
	Surgery	√	√		√
	Gynaecology and Obstetrics	√	√		√
	Practice of Medicine	√	√		√
	Case taking & Repertory	√	√		√
	Community Medicine	√			√