


1.3.2 Number of Courses that include experimental learning through project work/field work/ internship during the year

Program Name	Program Code	Name of the course that include experimental learning through project work/ field work/ Internship	Course Code	Year of offering	Name of student studied course on experimental learning through project work/field work/ Internship	Link to the relevant document
B. Pharm.	BP	B. Pharm.	813 PW	2017	Abhay, Abhay Kumar, Abhay Puri, Abhishek Chauhan, Abhishek Guleria, Ajay kumar, Akanksha, Akrit Verma, Amit kashyap, Amita Devi, Anchal Devi, Anjali, Anmol Sharma, Anshul Choudhary, Anshul Katoch, Anshul koundal, Anshul Saini, Arush Sharma, Arvind kumar, Aryan, Ashish Sharma, Ayush Bhardwaj, Ayush Gautam Badal Singh, Deepak Sharma, Devi Singh, Dheeraj, Divyanshi, Ekansh Sharma, Gopal Kumar, Gourav, Gourav Banya, Gourav Singh, Harshita, Himani Sharma, Jahnavi Sharma, Kajal, Kamakshi, Kamini Thakur, Kanak Guleria, Kamka, Kashish, Khushboo, Kritika Rana, Manjeet Singh, Mehak Sharma, Minakshi, Mohit Kumar, Nancy Bhardwaj, Neeraj Kumari, Neha Bharti, Nikhil, Nikhil Rana, Nishad Mailk, Paryum Kaushal, Parvez Khan, Prajwal Metha, Pranshul Awasthi, Pradham Sharma, Priya Rana, Rahul Randhawa, Rahul Bhardwaj, Rahul Thakur, Ramesh Kumar, Richa Sharma, Riya Parmar, Rohan Thakur, Rohit Dhillon, Ruchika, Sagar Kumar, Sahil Chopra, Sahil choudhary, Sahil randhawa, Sahil Sharma, Saksham kaistha, Sakshi, Sanket Sharma, Saurav Chaudhary, Sehdev Chandel, Shagun Choudhary, Shalini Sharma, Shipali Sharma,, Shubdeep Singh, Simran, Simran, Sourabh Kumar, Sushant Thakur, Sweety Rajwal, Tamanna Kumari, Tamish kumar, Dhiman, Tarun, Tejaswanl Bhardwaj, Uday Partap Singh Jaswal, Vanshika, Varun Bhardwaj, Vishal, Vishal Jamwal, Satyam, Varun	
M. Pharm. (Pharmaceutics)	MPH	M. Pharm. (Pharmaceutics)		2013	Abhay Koundal, Akshay Kumar, Akshay Saxena, Anjali, Anjali Kumari, Ankush Dogra, Parag Sharma, Prabal Bratt Sharma, Priya Kumari, Rahul Kumar, Ritik Chaudhary, Ritika Saini, Sharni, Vivek Sharma, Yukti Mahajan	
M. Pharm. (Pharmaceutical Analysis & Quality Assurance)	MPAQQA	M. Pharm. (Pharmaceutical Analysis & Quality Assurance)		2014	Abhishek saini, Akshay, Aman sharma, Anchal Gangotia, Ashish Dhiman, Attish Bhardwaj, Himanshu Sharma, Prince Thakur, Ritik sharma, Sidharath Pathania, Sonia	
M. Pharm (Pharmacology)	MPL	M. Pharm.(Pharmacology)		2021	Anshul Thakur, Ayush Sharma, Balwinder Singh, Jyoti Pathania, Kiran Bala, Manisha, Palak Sharma, Shad Ahmad, Simran Choudhary, Vikas	


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SEMESTER- VIII (B. Pharmacy)

S. N.	Category	Paper Code	Subject	L	T	P/D	Credits	Evaluation Scheme								
								Internal Assessment			ESE	Subject Total				
								CT	TA	Total						
Theory:																
1	PC	BP 801T	Biostatistics and Research Methodology	3	1	-	4	15	10	25	75	100				
2	PC	BP 802T	Social and Preventive Pharmacy	3	1	-	4	15	10	25	75	100				
3	PC	BP 803ET	Pharma Marketing Management	3 +3 =6	1 + 1 - 2	-	4+4=8	15	10	25	75	100				
4	PC	BP 804ET	Pharmaceutical Regulatory Science					15	10	25	75	100				
5	PC	BP 805ET	Pharmacovigilance					15	10	25	75	100				
6	PC	BP 806ET	Quality Control and Standardization of Herbals					15	10	25	75	100				
7	PC	BP 807ET	Computer Aided Drug Design					15	10	25	75	100				
8	PC	BP 808ET	Cell and Molecular Biology					15	10	25	75	100				
9	PC	BP 809ET	Cosmetic Science					15	10	25	75	100				
10	PC	BP 810ET	Experimental Pharmacology					15	10	25	75	100				
11	PC	BP 811ET	Advanced Instrumentation Techniques					15	10	25	75	100				
12	PC	BP 812ET	Dietary Supplements and Nutraceuticals					15	10	25	75	100				
Labs:																
1	PC	BP 813 PW	Project Work					-	-	12	6	-	-	-	150	150
Total				12	4	12	22					550				
Total Work Load=28							Total Credit 22									

Legend:

L	Lecture	ESE	End Semester Examination
T	Tutorial	PC	Program Core Courses
P	Practical	FC	Foundation Courses


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**Course of study for M. Pharm. IV Semester
(Common for All Specializations)**

S. N.	Category	Paper Code	Subject	L	T	P/D	Credits	Evaluation Scheme				
								Internal Assessment		ESE	Subject Total	
								CT	TA Total			
Theory:												
2			Journal club	1	-	-	1	-	-	25	-	25
3			Discussion / Presentation (Proposal Presentation)	3	-	-	3	-	-	75	-	75
4			Research Work	31	-	-	16	-	-	-	400	400
Total				35	-	-	20	-	-	-	-	-
								Total Credit = 20				
								Total work Load=35				

* Non University Exam


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Project record of B. Pharmacy Batch 2019-2023

S.No.	Roll.No.	Name of Student	Title Of Project
01	1931141001	Abhay	Evaluation of antioxidant activity of citrus fruit peels.
02	1931141002	Abhay Kumar	Quality of life of patients undergoing haemodialysis in HP
03	1931141003	Abhay Puri	Review of vaginal drug delivery system
04	1931141004	Abhishek Chauhan	A review on tap water assessing quality and safety
05	1931141005	Abhishek Guleria	A review article on malaria : Pathophysiology and treatment
06	1931141006	Ajay kumar	A review article on diabetes mellitus
07	1931141007	Akanksha	The review on COVID-19 pandemic
08	1931141008	Akrit Verma	Standardization and phytochemical screening of cinchona.
09	1931141009	Amit kashyap	A review article on malaria : Pathophysiology and treatment
10	1931141010	Amita Devi	Exploring the therapeutic potential of vitex negundo and its compound viridiflorol in neurodegenerative disorder.
11	1931141011	Anchal Devi	Toxicological studies.
12	1931141012	Anjali	Exploring the therapeutic potential of vitex negundo and its compound viridiflorol in neurodegenerative disorder.
13	1931141013	Anmol Sharma	An overview on antiproliferative herbal plants.
14	1931141014	Anshul Choudhary	Ethosome as a novel vascular carrier.
15	1931141015	Anshul Katoch	Review of vaginal drug delivery system
16	1931141016	Anshul koundal	
17	1931141017	Anshul Saini	Survey of diabetes patient in different govt. hospitals of distt. Kangra
18	1931141018	Arush Sharma	Recent advances in novel drug delivery system
19	1931141019	Arvind kumar	A review article on malaria : Pathophysiology and treatment
20	1931141020	Aryan	Survey of diabetes patient in different govt. hospitals of distt. Kangra
21	1931141021	Ashish Sharma	A review article on malaria : Pathophysiology and treatment
22	1931141022	Ayush Bhardwaj	A review on tap water assessing quality and safety
23	1931141023	Ayush Gautam	A review article on malaria : Pathophysiology and treatment


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Project record of B. Pharmacy Batch 2019-2023

24	1931141024	Badal Singh	Pathological mechanism involved in Alzheimer's disease
25	1931141025	Deepak Sharma	Overview on diabetes mellitus and its management
26	1931141026	Devi Singh	Recent advancement in nanoscience for the management metastasis stage of cancer
27	1931141027	Dheeraj	Literature on diabetes mellitus
28	1931141028	Divyanshi	Evaluation of antioxidant activity of citrus fruit peels.
29	1931141029	Ekansh Sharma	Review on breast cancer
30	1931141030	Gopal Kumar	Review on diabetes mellitus
31	1931141031	Gourav	A review article on diabetes mellitus
32	1931141033	Gourav Banyal	A potential application of antioxidants A review
33	1931141034	Gourav Singh	Diabetes mellitus and its management
34	1931141035	Harshita	A review on artificial intelligence in the field of pharmacy
35	1931141036	Himani Sharma	Study on medical plant in all distt. of HP
36	1931141037	Jahnvi Sharma	A prospective study on the prevalence of hypertension, diabetes mellitus and dyslipidaemia in health awareness camp in rural areas of HP
37	1931141038	Kajal	Literature review on diabetes mellitus
38	1931141039	Kamakshi	A review on current advances in 3d bioprinting of human organ and tissue engineering
39	1931141040	Kamini Thakur	A review on potential application of anti oxidants
40	1931141041	Kanak Guleria	Pharmacotherapy of diabetic ketoacidosis
41	1931141042	Kanika	Formulate and evaluate aloe-vera cold cream
42	1931141043	Kashish	Alopecia
43	1931141044	Khushboo	A prospective study on the prevalence of hypertension, diabetes mellitus and dyslipidaemia in health awareness camp in rural areas of HP
44	1931141045	Kritika Rana	Liposome as a novel vascular carrier
45	1931141046	Manjeet Singh	Simultaneous estimation of diclofenac and paracetamol on UV spectroscopy
46	1931141047	Mehak Sharma	A review literature on ginger
47	1931141048	Minakshi	Evaluation of glimepiride formulation as gastro retentive dosage form
48	1931141049	Mohit Kumar	Meta-analysis of the therapeutic potential of edible mushrooms: A comprehensive evaluation of anti-diabetic and anti inflammatory effect
49	1931141050	Nancy Bhardwaj	An overview on Alzheimer disease


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Project record of B. Pharmacy Batch 2019-2023

50	1931141051	Neeraj Kumari	Study on medical plant in all distt.of HP
51	1931141052	Neha Bharti	Review on hair fall
52	1931141053	Nikhil	Crohn's disease
53	1931141054	Nikhil Rana	Ethosome as a novel vascular carrier.
54	1931141055	Nishad Malik	A review on diarrhea in pediatrics
55	1931141056	Pardyum Kaushal	Review on diabetes mellitus
56	1931141057	Parvez Khan	Rhododendron arboretum and its potential health benefits
57	1931141058	Prajwal Metha	Review on article diabetes mellitus
58	1931141059	Pranshu Awasthi	Diabetes mellitus and its management
59	1931141060	Pradham Sharma	Alzheimer disease:A review on pathological machanism
60	1931141061	Priya Rana	Formulate and evaluate aloe vera cold cream
61	1931141062	Rahil Randhawa	Review on alopecia
62	1931141063	Rahul Bhardwaj	A review on tap water assessing quality and safety
63	1931141064	Rahul Thakur	A review on ocular drug delivery system (OCUSERT)
64	1931141065	Ramesh Kumar	A potential application of antioxidants A review
65	1931141066	Richa Sharma	A review on cardiac arrest
66	1931141067	Riya Parmar	A review on artificial intelligence in the field of pharmacy
67	1931141068	Rohan Thakur	Evaluation of anti oxidants activity of vasaka
68	1931141069	Rohit Dhillon	Murraya koenigii and its potential health benefits
69	1931141070	Ruchika	Rhododendron arboretum and its potential health benefits
70	1931141071	Sagar Kumar	Standardization and phytochemical screening of cinchona.
71	1931141072	Sahil Chopra	A review on traditional medicinal uses , pharmacological activities and health benefits of terminilia chebula
72	1931141073	Sahil choudhary	A review on leiomyoma:Uterine fibroids
73	1931141074	Sahil randhawa	A review on alopecia
74	1931141075	Sahil Sharma	A review on mini tablets
75	1931141076	Saksham kaistha	A potential application of antioxidants A review
76	1931141077	Sakshi	A review on standardization and phytochemical screening of cinchona.
77	1931141078	Sanket Sharma	Evaluation of anti-oxidant activity of ageratum conyzoides
78	1931141079	Saurav Chaudhary	Review on crohn's disease
79	1931141080	Sehdev Chandel	Diabetes mellitus


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Project record of B. Pharmacy Batch 2019-2023

80	1931141081	Shagun Choudhary	A review on current advances in 3d bioprinting of human organ and tissue engineering
81	1931141082	Shalini Sharma	Review on mini tablet
82	1931141083	Shipali Sharma	Standardization and phytochemical screening of cinchona.
83	1931141085	Shubhdeep Singh	The review on COVID-19 pandemic
84	1931141086	Simran	Plant in aquatic ecosystem: Current trends and future directions
85	1931141087	Simran	A review on alopecia
86	1931141088	Sourabh Kumar	A review article on malaria : Pathophysiology and treatment
87	1931141089	Sushant Thakur	A review on quality control tests for pharmaceutical formulation
89	1931141090	Sweety Rajwal	Liposome as a novel vascular carrier.
90	1931141091	Tamanna Kumari	Standardization and phytochemical screening of cinchona.
91	1931141092	Tanish kumar Dhiman	A review on molecular docking
92	1931141093	Tarun	Murraya koenigii and its potential health benefits
93	1931141094	Tejaswani Bhardwaj	Review on treatment of vitiligo
94	1931141095	Uday Partap Singh Jaswal	Plant in aquatic ecosystem: Current trends and future directions
95	1931141096	Vanshika	Plant in aquatic ecosystem: Current trends and future directions
96	1931141097	Varun Bhardwaj	A review article on diabetes mellitus
97	1931141099	Vishal	Plant in aquatic ecosystem: Current trends and future directions
98	1931141100	Vishal Jamwal	Meta-analysis of the therapeutic potential of edible mushrooms: A comprehensive evaluation of anti-diabetic and anti inflammatory effect
99	20023114001	Satyam	Ethosomes as a novel vascular carrier.
100	20023114002	Varun	A review on diarrhea in pediatrics


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M. Pharm. Project list (Session 2022-2023)

Department of Pharmaceutics

List of students

Sr. No.	Roll No.	Name	Project Entitled
1.	21013117001	Abhay Koundal	Development and evaluation of topical formulation containing Fexofenadine Hydrochloride
2.	21013117002	Akshay Kumar	Development and Evaluation of floating tablets containing piperine and amoxicillin for the treatment of peptic ulcer.
3.	21013117003	Akshay Saxena	Formulation and evaluation of liposomes of Piperine for treatment of vitiligo
4.	21013117004	Anjali	Development and evaluation of rutin ethosomes for the treatment of psoriasis
5.	21013117005	Anjali Kumari	Formulation and evaluation of liposomes loaded in situ gel for treatment of glaucoma
6.	21013117006	Ankush Dogra	To formulate and evaluate mucoadhesive in situ gel of mefenamic acid and tranexamic acid for the treatment of Menorrhagia
7.	21013117007	Parag Sharma	Formulation and evaluation of topical cream containing phytoconstituent for the treatment of Atopic Dermatitis
8.	21013117008	Prabal Bratt Sharma	Design, formulation and evaluation of herbal hair gel for the treatment of Alopecia
9.	21013117009	Priya Kumari	Formulation and evaluation of liposomal in situ gel of piperine for the treatment of epilepsy
10.	21013117010	Rahul Kumar	Formulation and evaluation of microsponges of naringenin for the treatment of psoriasis
11.	21013117011	Ritik Chaudhary	Formulation and evaluation of liposomal in situ gel of silymarin for the treatment of parkinsonism
12.	210131170012	Ritika Saini	Formulation and evaluation of topical formulation of Doxipen and Acyclovir for the management of Herpes virus
13.	210131170013	Shamli	Formulation and evaluation of mucoadhesive in situ gel of linezolid and aceclofenac for the treatment of periodontitis
14.	210131170014	Vivek Sharma	Formulation and evaluation of microemulsion containing curcumin, piperine and walnut oil for the treatment of gastric adenocarcinoma
15.	210131170015	Yukti Mahajan	Development and evaluation of topical gel containing natural polysaccharide as polymer for treatment of rheumatoid arthritis


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M. Pharm. Project list (Session 2022-2023)

Department of PAQA
List of students

Sr. No.	Roll no.	Name	Project Entitled
1.	21013118001	Abhishek saini	Method Development and Validation for Simultaneous Estimation of Acyclovir and Doxipin Hydrochloride in Bulk Drug by using UV-Visible Spectrophotometer and RP-HPLC
2.	21013118002	Akshay	Method Development and Validation for Simultaneous Estimation of Ranolazine and Ivabradine in Bulk Drug by using UV-Visible Spectrophotometer and RP-HPLC
3.	21013118003	Aman sharma	Stability indicating robust UV-Visible spectrophotometer and RP-HPLC method development for simultaneous estimation of Azilsartan and Hydrochlorothiazide in bulk drug and tablet formulation
4.	21013118004	Anchal Gangotia	Efficient and Robust RP-HPLC and UV Method Development and Validation for Simultaneous Estimation of SITAGLIPTIN and GLIMIPRIDE in Bulk Drug
5.	21013118005	Ashish Dhiman	Method Development and Validation for Simultaneous Estimation of Vildagliptin and Valsartan in Bulk Drug by using UV-Visible Spectrophotometer and RP-HPLC
6.	21013118006	Attish Bhardwaj	Method Development and Validation for Simultaneous Estimation of Cilnidipine and Hydrochlorothiazide in Bulk Drug by using UV-Visible Spectrophotometer And RP-HPLC
7.	21013118007	Himanshu Sharma	Method Development and Validation for Simultaneous Estimation of Lornoxicam and Hydroxychloroquine sulphate in Bulk Drug by using UV-Visible Spectrophotometer And RP-HPLC


8.	21013118008	Prince Thakur	Efficient RP-HPLC And UV Method Development and Validation for Simultaneous Estimation of Emtricitabine And Dolutegravir Sodium In Bulk Drug
9.	21013118009	Ritik sharma	Stability indicating robust RP-HPLC method development of Vildagliptin and N-Acetyl-L-Cysteine in bulk drug and tablet formulation
10.	21013118010	Sidharath Pathania	Method Development and Validation for Simultaneous Estimation of Vildagliptin and Irbesartan in Bulk Drug by using UV-Visible Spectrophotometer And RP-HPLC
11.	21013118011	Sonia	Method Development and Validation for Simultaneous Estimation of cilnidipine and Candesartan Cilxetil in Bulk Drug by using UV-Visible Spectrophotometer And RP-HPLC


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M. Pharm. Project list (Session 2022-2023)
Department of Pharmacology

List of students

Sr. No.	Roll No.	Name	Project Entitled
1.	21013119001	Anshul Thakur	Neuroprotective evaluation of Methanolic Extract of <i>Azadirachta Indica L.</i> in AICI3 Induced Cognitive Impairments in Wistar Rats.
2.	21013119002	Ayush Sharma	Renoprotective Potential of <i>Saussurea Obvallata L.</i> In Chemically Induced Kidney Injury in Albino Rats.
3.	21013119003	Balwinder Singh	Neuroprotective Activity of Ethanolic Extract of <i>Pelargonium Inquinans L.</i> Leaf in AICI3 Induced Alzheimer's Disease in Albino Rats.
4.	21013119004	Jyoti Pathania	Neuroprotective Activity of <i>Carissa Caranda L.</i> Ethanolic Extract in Reserpine Induced Parkinson's Disease in Wistar Rats.
5.	21013119005	Kiran Bala	Ameliorate Effect of Ethanolic Extract and Extract-Based Topical Formulation of <i>Bombax Ceiba L.</i> And <i>Curcuma Longa</i> Combination in Testosterone Induced Acne Vulgaris on Rodent.
6.	21013119006	Manisha	Evaluation of Anti-Urolithiatic and Anti-Oxidant Potential of Ethanolic Extract of <i>Cuscuta Reflexa L.</i>
7.	21013119008	Palak Sharma	Evaluation of Anti-Hemorrhoid Activities of <i>Cocos Nucifera L.</i> Husk Ash Extract on Croton Oil Induced Hemorrhoid Model in Rats.
8.	21013119009	Shad Ahmad	Neuroprotective Potential of Ethanolic Extract of <i>Hellenia Speciosa</i> (Whole Plant) in AICI3 Neurotoxicity in Laboratory Animals.
9.	21013119012	Simran Choudhary	Neuropharmacological Evaluation of <i>Amaranthus Viridis L.</i> (Whole Plant) Ethanolic Extract on Aluminium Chloride Induced Alzheimer's Disease in Wistar Rats.
10.	21013119013	Vikas	Evaluate the Nootropic, Antioxidant Potential Effect of Ethanolic Extract of <i>Ficus Religiose L.</i> (Pipal Fruit) on Chemically Induced Alzheimer's Disease in Albino Rats.


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