



1.2.1 Number of Certificate/Value added courses (2022-2023)

S NO	NAME OF PROGRAM WITH COURSE CODE	DURATION	No of students enrolled
1	Phlebotomy Techniques KCPT-VAC 32	30hrs	49

Learning outcomes

1. Filling out test requisition form accurately with assembly and preparation of necessary equipment and supplies.
2. Preparation of appropriate site and drawing blood procedures with proper labelling and identification.
3. Understand the specific conditions required for transportation of clinical samples. Assistance of patient during and after collection of specimen. Updating patient records and communicate health information
4. Understand the Safety and infection Control procedures
5. Collecting samples with different types of vacutainers, IV training arms, and their working, handling and storage.

ASSESSMENT CRITERIA

Certificate course on 'Phlebotomy Techniques' starting from 11th Feb 2023. Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am to 2pm.

- Minimum 80% attendance will be mandatory for every student.
- IT IS COMPULSORY FOR EVERY STUDENT TO PARTICIPATE IN POST TRAINING EVALUATION FOR CERTIFICATION
- Minimum score of 60% is mandatory in post training evaluation



.KHALSA COLLEGE OF PHARMACY AND TECHNOLOGY, AMRITSAR

Program Schedule for certificate course on 'Phlebotomy Techniques' starting from 11th Feb 2023. Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am to 2pm.

S No	Course Content	Date	Time Duration	Delivered By
1	Introduction to Phlebotomist Program	11 th February	2 Hrs	Mrs Juhi Kataria
2	Fill out test requisition form accurately. Assembly and preparation of necessary equipment and supplies.	11 th February	3 Hrs	Mrs Juhi Kataria
3	Preparation of appropriate site and drawing blood procedures, Labelling and identification.	18 th February	2 Hrs	Mrs Juhi Kataria
4	Transportation of samples. Assistance of patient during and after collection of specimen. Updating patient records and communicate health information	18 th February	3 Hrs	Dr Pratapbir Singh
5	Safety and infection Control procedures	25 th February	5 hrs	Dr Narinder Kaur
6	Different types of vaccutainers and their working, handling and storage.	4 th March	3 hrs	Dr Pratapbir Singh
7	Sample Collection Training with multi venous IV Training arms	4 th March	2 hrs	Mrs Juhi Kataria
8	Hands on Training of all procedures	18 th March	5 hrs	Dr Gurpreet Kaur/Mrs. Uhi Kataria
9	Hands on Training/Interactive Session	25 th March	5 hrs	
10	Multiple choice question (Test)	1 st April	2 hrs	Mrs Juhi kataria/Dr Gurpreet Kaur
11	Valedictory	3rd April		



**LIST OF ENROLLED STUDENTS FOR CERTIFICATE COURSE ON
'PHLEBOTOMY TECHNIQUES' STARTING FROM 11TH FEB 2023**

S.No.	Registration No.	Name of Student
1	2223635	Akashdeep singh
2	2223636	Amrit singh
3	2223637	Ankit
4	2223638	Ankita
5	2223639	Anmol Kaur
6	2223640	Balister
7	2223641	Chandandeep singh
8	2223642	Deepshikha
9	2223643	Dinesh badgal
10	2223644	Divanshi
11	2223646	Gurleen kaur
12	2223647	Gurpreet singh
13	2223648	Honey
14	2223649	Jagroop Singh
15	2223651	Jaskaran singh
16	2223652	Jasleen kaur
17	2223653	Kamal krishan
18	2223654	Kamini
19	2223655	Karan sharma
20	2223656	Karandeep Singh
21	2223658	Kirti
22	2223659	Komalpreet MS
23	2223660	Komalpreet JS
24	2223661	Krishna
25	2223662	Lovedeep singh
26	2223663	Manjot kaur
27	2223664	Manmeet kaur
28	2223665	Manpreet Kaur
29	2223666	Mansi
30	2223667	Muhamad Arshad
31	2223669	Neeraj
32	2223670	Palkdeep
33	2223672	Paramjit Singh
34	2223673	Rajwant kaur
35	2223674	Rajwant kaur SS
36	2223675	Rajwant kaur BS
37	2223676	Randheer singh
38	2223677	Ravinder singh
39	2223678	Ritik
40	2223679	Sachin maurya
41	2223681	Sanjay singh

42	2223682	Saresht kumar
43	2223683	Shaina
44	2223685	Simarjeet kaur
45	2223686	Simranjeet kaur
46	2223687	Snehpreet kaur
47	2223688	Sukhmanpreet
48	2223690	Syed bais ali andrabi
49	2223692	Vanshika





Ref No:



CERTIFICATE OF APPRECIATION

THIS IS TO CERTIFY THAT
OF..... HAS SUCCESSFULLY COMPLETED
CERTIFICATE COURSE ON "PHLEBOTOMY TECHNIQUES", ORGANIZED BY
DEPARTMENT OF MEDICAL LAB SCIENCES, KHALSA COLLEGE OF PHARMACY
AND TECHNOLOGY, AMRITSAR FROM 11TH FEBRUARY TO 1ST APRIL, 2023.

Dr. Gurpreet Kaur Gill
Convener

Dr. Navinder Kaur
Coordinator

Dr. R.K. Dhanwan
Director



1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2022-2023)

S NO	NAME OF PROGRAM WITH COURSE CODE	DURATION	No of enrolled students
1	Hands on Training on instrument used in formulation and evaluation of drug delivery systems KCP-VAC 30	30hrs	59

Learning Outcome of the Certificate Course:

On completion of the course the students will be able to:

1. Understand the theoretical aspects involved in the formulation of different dosage forms.
2. Formulate dosage forms using different instruments.
3. Evaluate different solid, liquid and semi solid dosage forms

ASSESSMENT CRITERIA

Certificate course on Hands on Training on instrument used in formulation and evaluation of drug delivery systems.

The training will be conducted according to time table and teachers of specific subjects will conduct the training.

Minimum 80% attendance will be mandatory for every student.

- IT IS COMPULSORY FOR EVERY STUDENT TO PARTICIPATE IN POST TRAINING EVALUATION FOR CERTIFICATION

In post training evaluation, teachers will conduct the practical performance of every student along with viva voce to evaluate the learning of students and certification will be issued only to deserving candidates.



Khanna College of Pharmacy, Amritsar
(Instruments Workshop Schedule)

B.Pharm 8th Sem.

w.e.f. - 14-03-2023

Day	9:00 to 10:00	10:00 to 11:00	11:00 to 12:00	12:00 to 1:00	2:00 to 3:00	3:00 to 4:00	4:00 to 5:00
Monday			Pharma Analysis Group A Pharmacology Group B		Pharma Analysis Group A Pharmacology Group B		
Tuesday		Pharmaceutics Group A Pharma Chemistry Group B		Lunch Break		Pharmaceutics Group A Pharma Chemistry Group B	
Wednesday		Pharmaceutics Group B Pharma Chemistry Group A			Pharmaceutics Group B Pharma Chemistry Group A		
Thursday					Project work		
Friday		Pharma Analysis Group B Pharmacology Group A			Pharma Analysis Group B Pharmacology Group A		

Pharmacology: Dr. Tajpreet Kaur & Dr. Kamaldeep Kaur

Pharmaceutics: Dr. Jasjeet Kaur & Dr. Lakhvir Kaur

Pharmaceutical Analysis: Dr. Varinder Soin & Mr. Garpreet Singh

Pharmaceutical Chemistry: Dr. Prabhjot Singh & Dr. Kavita



LIST OF ENROLLED STUDENTS ENROLLED IN HANDS ON TRAINING ON INSTRUMENT USED IN FORMULATION AND EVALUATION OF DRUG DELIVERY SYSTEMS KCP-VAC 30

Sr. No.	Reg. No.	Name of Student	Branch
1	1912460	Abhay Chawla	B PHARM
2	1912461	Abhay Dhawan	B PHARM
3	1912462	Akashdeep Singh	BPHARM
4	1912463	Akshit Gill	B PHARM
5	1912464	Amanat Kaur	B PHARM
6	1912465	Amandeep Kaur	BPHARM
7	1912468	Ankush	B PHARM
8	1912469	Arshdeep Singh	B PHARM
9	1912470	Asees Pal Singh	BPHARM
10	1912471	Avneet Singh	B PHARM
11	1912472	Bhagwant Singh	B PHARM
12	1912473	Bhannu Vashista	BPHARM
13	1912474	Davinder Singh	B PHARM
14	1912475	Diya Mehra	B PHARM
15	1912476	Gaurav Thakur	BPHARM
16	1912477	Gautam	B PHARM
17	1912478	Gavin Gaurav Raj	B PHARM
18	1912479	Guddu Kumar	BPHARM
19	1912480	Gurmanpreet Kaur	B PHARM
20	1912481	Gursimran Kaur	B PHARM
21	1912482	Harkirat Singh	BPHARM
22	1912483	Harpal Singh Sachdeva	B PHARM
23	1912484	Jagtar Singh	B PHARM
24	1912485	Jashandeep Singh	BPHARM
25	1912486	Jasleen Kaur	B PHARM
26	1912488	Karanbir Singh Hundal	B PHARM
27	1912489	Khushleen Kaur	BPHARM
28	1912490	Lakshay Suri	B PHARM
29	1912491	Lovepreet Singh	BPHARM
30	1912492	Lovepreet Singh(L.S)	B PHARM
31	1912494	Manish Singh	B PHARM
32	1912495	Manpreet Singh	BPHARM
33	1912496	Mohammad sohrab	B PHARM
34	1912498	Mohit Kumar	B PHARM
35	1912499	Mohit Sharma	BPHARM
36	1912500	Muskan Bedi	B PHARM
37	1912502	Nikhil Wahi	B PHARM
38	1912503	Piyush	BPHARM
39	1912504	Pritpal Kaur Malhi	B PHARM
40	1912505	Rishab Arora	B PHARM

41	1912507	Ritesh Bhanot	BPHARM
42	1912508	Ritesh Bajaj	B PHARM
43	1912509	Robinpreet Kaur	B PHARM
44	1912510	Rohit Kumar	BPHARM
45	1912512	Shivam	B PHARM
46	1912513	Shubham Guleria	B PHARM
47	1912514	Simran Kaur	BPHARM
48	1912515	Sukhmanpreet Singh	B PHARM
49	1912516	Suryanshu	B PHARM
50	1912518	Varun Mahajan	BPHARM
51	1912519	Vishal	B PHARM
52	2015769	Gazal	B PHARM
53	2015771	Jasmine Kaur	BPHARM
54	2015772	Malika Sharma	B PHARM
56	2015775	Samiksha Devi	B PHARM
57	2015776	Sandeep Kaur	BPHARM
58	2015777	Sandeep Kaur	B PHARM
59	2015778	Sarvpreet Singh	B PHARM





CERTIFICATE OF APPRECIATION

**THIS IS TO CERTIFY THATOF.....
..... HAS SUCCESSFULLY COMPLETED
CERTIFICATE COURSE ON “HANDS ON TRAINING ON
INSTRUMENT USED IN FORMULATION AND EVALUATION
OF DRUG DELIVERY SYSTEMS”, ORGANIZED
BY.....**

FROM 14TH MARCH TO 13TH MAY 2023.

**Dr. Lakhvir Kaur
Convener**

**Dr. Jasjeet Kaur Narang
Coordinator**

**Dr. R.K. Dhawan
Director-Principal**



Estd 2009

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Web: www.khalsacollegepharmacy.org

Approved by AICTE, PCI, New Delhi & Punjab Govt. Affiliated to PTU, Kapurthala, PSBTE & IT, Chandigarh

1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2022-2023)

S NO	NAME OF PROGRAM WITH COURSE CODE	DURATION
1	Human Values and Professional Ethics KCP-VAC 29	30hrs

Outcome of the Certificate Course:

On completion of the course the students will be able to:

1. Understand need for value Education.
2. Differentiate between happiness and prosperity.
3. Correctly prioritize their aspirations in search for continuous happiness.
4. Self explore and apply concept of "Natural acceptance".

ASSESSMENT CRITERIA OF TRAINING

Certificate course on Hands on Training on instrument used in formulation and evaluation of drug delivery systems.

Minimum 85% attendance will be mandatory for every student.

On the last day of training, students should share their views about the learning and experiences about the value education

Students fails to attempt post training evaluation will not get certificate.

In post training evaluation, teachers will conduct the test and based on marks (Min 60%) students will get certificate of training.



KHALSA COLLEGE OF PHARMACY

Schedule for certificate course on “Human Values and Professional Ethics” starting from 18th February 2023.

Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am to 2pm.

S No	Course Content	Date	Time Duration	Delivered By
1	Understanding the need basic guidelines, content and process for value Education	18 th February	2 Hrs	Mrs Jasreen Uppal
2	Self-Exploration: content and process: ‘Natural Acceptance’ and Experiential Validation – as the mechanism for self-explanation	18 th February	3 Hrs	Dr Narinder Kaur
3	Continuous Happiness and Prosperity A look at basic Human Aspirations	25 th February	2 Hrs	Mrs Jasreen Uppal
4	Right Understanding, Relationship and Physical Facilities: basic requirements for fulfillment of aspirations of every human being with their correct priority	25 th February	3 Hrs	Dr Kavita Bhagat
5	Understanding Happiness and prosperity correctly: A critical appraisal of the current scenario Existence in coexistence	4 th March	5 hrs	Mrs Jasreen Uppal
6	Harmony in Family(relationships)	18 th March	3 hrs	Dr Kavita Bhagat
7	Harmony with Nature	18 th March	2 hrs	Mrs Jasreen Uppal
8	Body as Instrument with relevant case studies	25 th March	5 hrs	Dr Kavita Bhagat
9	Holistic Development and real time case studies with role play	1 st April	5 hrs	
10	Multiple choice question (Test)	4 th April	2 hrs	Mrs Jasreen Uppal
11	Valedictory	5th April		



**LIST OF ENROLLED STUDENTS IN CERTIFICATE COURSE ON
"HUMAN VALUES AND PROFESSIONAL ETHICS" STARTING FROM
18TH FEBRUARY 2023.**

S.No	Reg. no	Student Name	Father's Name
1	2216795	Aasbir Kaur	Navdeep singh
2	2216796	Abhijeet Singh	Avtar Singh
3	2216797	Abhikaran Singh	Sukhdeep Singh
4	2216799	Abhishek Sharma	Rajesh Sharma
5	2216800	Afreen Zafar	MD Zafar Imam
6	2216801	Agamdeep Singh	Kulbir Singh
7	2216802	Akashdeep Singh	Sukhwinder Singh
8	2216804	Anjali	Deepak kumar
9	2216805	Ankush Kumar	Ramesh kumar
10	2216806	Anmol Singh	Lakhbir Singh
11	2216807	Avtar Singh	S.Surinder singh
12	2216808	Balwant Singh	Jarnail singh
13	2216809	Daljeet Singh	Jasvinder singh
14	2216810	Garvit Chander	Rakesh Chander Choudhary
15	2216812	Gurpreet Kaur	Gurmej Singh
16	2216813	Harjot Singh Saini	Manjeet Singh
17	2216815	Harsh Bawa	Davinder Singh
18	2216816	Harshdeep Singh	Varinder kumar
19	2216817	Harshpreet Singh	Harmeet singh
20	2216818	Himangi	Karmjit Singh
21	2216819	Jagnamay Kohli	Raman Kumar
22	2216820	Jaismeen Kaur	Vinay Kohli
23	2216821	Jasbinder Singh Gill	Sukhaj Singh
24	2216823	Jasmeen Kaur	Surjit singh
25	2216824	Jitesh Sharma	Kuldeep Singh
26	2216825	Kavish Sharma	Vivek sharma
27	2216826	Kiranjit Kaur	Narinder sharma
28	2216828	Manav Kumar	Gursharanjit Singh
29	2216830	Manraj Singh	Roshan Lal
30	2216831	Mohneet Kaur	Ravi Kumar
31	2216832	Naaz Kaura	Kuldeep Singh
32	2216833	Navneet Kaur	Kuldip singh
33	2216834	Nikhil Kakkar	Sandeep kaura
34	2216835	Parampreet Singh	Gurmeet Singh
35	2216836	Paras Sharma	Rajiv kumar
36	2216837	Parul	Ranjit Singh

37	2216838	Parbhat Kumar Chaudhary	Vivek sharma
38	2216839	Rabia Deol	Rajesh kumar
39	2216840	Rahul Mahajan	Surendra Kumar Chaudhary
40	2216841	Ridhima Sharma	Surinderpal singh
41	2216842	Rishap	Ashok Kumar
42	2216843	Ritik Sharma	Amit Kumar Sharma
43	2216844	Sachin Sharma	Ramesh kumar
44	2216845	Sahajpal Singh	Prem Kumar Sharma
45	2216846	Sarthak Mahajan	kamal sharma
46	2216847	Shine Sharma	Tarsem singh
47	2216848	Shivam Abrol	surinder mahajan
48	2216849	Shivangi	Sudesh kumar
49	2216850	Simran Rout	Ved Parkash
50	2216851	Simranjeet Kaur	Subash Rao
51	2216852	Sourav Sharma	Dalip Kumar Rout
52	2216853	Supreet Kaur	Dalbir Singh
53	2216854	Surinder Singh	Ajay kumar
54	2216855	Syed Ariqueat Andrabi	Gurpuneet pal singh
55	2216856	Syed Tehreen Faiza	Hardev singh
56	2216857	Vasu Dev	Syed Tanveer Andrabi





CERTIFICATE OF APPRECIATION

**THIS IS TO CERTIFY THATOF.....
.....HAS SUCCESSFULLY COMPLETED CERTIFICATE
COURSE ON "HUMAN VALUES AND PROFESSIONAL ETHICS",
ORGANIZED BY..... FROM
18TH FEBRUARY TO 4TH APRIL 2023**

Mrs Jasveen Uppal
Convener

Dr. Kavita Bhagat
Coordinator

Dr R. K. Dhanraj
Director-Principal



Estd 2009

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1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2022-2023)

S NO	NAME OF PROGRAM WITH COURSE CODE	DURATION	No of enrolled students
1	Skill Development for Biomedical Waste Management and Microbiological Testing	30hrs	62

Outcome of the Certificate Course:

On completion of the course the students will be able to:

1. Classify Biomedical wastes and learn about their management.
2. Classify microbiological wastes and learn about their disposal.
3. Understand techniques like Autoclave, Incineration and their importance in biomedical waste management.
4. Operate various instruments used in biomedical and microbiological waste management.

ASSESSMENT CRITERIA

Certificate course on **Skill Development for Biomedical Waste Management and Microbiological Testing**

Minimum 85% attendance will be mandatory for every student.

On the last day of training, students should share their views about the learning and experiences about the value education

Students fails to attempt post training evaluation will not get certificate.

In post training evaluation, teachers will conduct the test and practical performance and based on performance deserving students will get certificate of training.



KHALSA COLLEGE OF PHARMACY

Schedule for certificate course on “Skill Development for Biomedical Waste Management and Microbiological Testing” starting from 11th February 2023.

Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am.

S No	Course Content	Date	Time Duration	Delivered By
1	Introductory Session Main Content includes rules and regulations like WHO Guidelines, 1986, 1999 etc.	11 th February	2 Hrs	Dr Gurpreet Kaur
2	Classification (10 categories)	11 th February	3 Hrs	Dr Gurpreet Kaur
3	Management of Biomedical waste	18 th February	2 Hrs	Dr Pratapbir Singh
4	Different techniques like Autoclave, Incineration detailed informatory session	18 th February	3 Hrs	Dr Pratapbir Singh
5	Safety measures to dealing person with practical demonstration of devices	25 th February	5 hrs	Dr Pratapbir Singh
6	Microbiological waste and its disposal	4 th March	3 hrs	Dr Pratapbir Singh
7	Types of microbiological waste	4 th March	2 hrs	Dr Pratapbir Singh
8	Hands on training	18 th March	5 hrs	Dr Pratapbir Singh/
9	Hands on training	25 th March	5 hrs	Dr Gurpreet Kaur
10	Multiple choice question (Test)	1 st April	2 hrs	Dr Pratapbir Singh/ Dr Gurpreet Kaur
11	Valedictory	1 st April	12-1pm	



LIST OF STUDENTS ENROLLED IN THE CERTIFICATE COURSE ON SKILL DEVELOPMENT FOR BIOMEDICAL WASTE MANAGEMENT AND MICROBIOLOGICAL TESTING

S No	Reg. No.	Name of Student
1	2015689	Aarushi Gautam
2	2015690	Abhey Sharma
3	2015691	Abhishek Sharma
4	2015692	Akashdeep Singh
5	2015693	Akash Sharma
6	2015694	Amandeep
7	2015695	Amandeep Singh
8	2015696	Amrin Kaur
9	2015697	Amritpal Singh
10	2015698	Anmoldeep Singh
11	2015699	Anmolpreet Singh
12	2015700	Arshdeep
13	2015701	Arshdeep Singh
14	2015702	Dilpreet Singh
15	2015703	Geetam Mittal
16	2015704	Gourav Sharma
17	2015705	Gurwinder Singh
18	2015706	Harmanjit Singh
19	2015707	Harmanpreet Singh
20	2015708	Harshit Luthra
21	2015709	Jagmehekdeep Singh
22	2015710	Jashanpreet Singh
23	2015711	Jaswinder Singh
24	2015712	Jatin Dutti
25	2015713	Jobanpreet Singh Sodhi
26	2015714	Kanishka
27	2015715	Kartik Vinayak
28	2015716	Kunal Gupta
29	2015717	Manav
30	2015718	Maninder Singh
31	2015719	Manmeet Singh

32	2015721	Mohit Kumar
33	2015722	Neeraj Kumar
34	2015723	Nikita
35	2015724	Nitantika
36	2015725	Parampreet Kaur
37	2015726	Parth Dheer
38	2015727	Prabhnoor Kaur
39	2015728	Priyanshu Mahajan
40	2015729	Purushottam Kumar
41	2015730	Rajveer Singh
42	2015731	Rasamrit Kaur
43	2015732	Rishi Kukreja
44	2015733	Ronit Seth
45	2015734	Sahil Sharma
46	2015735	Sakshi Mehta
47	2015736	Samridhi Dogra
48	2015737	Savneet Kaur Gill
49	2015738	Savreetpal Singh
50	2015739	Shivani
51	2015740	Shivraj Singh
52	2015741	Simranpreet Kaur
53	2015742	Tanish Dhir
54	2015743	Arshdeep Kaur
55	2015744	Gagandeep Singh
56	2015745	Gurbir Singh
57	2015746	Harpreet Kaur
58	2015747	Hitesh Chandok
59	2015748	Manroop Singh
	2015749	Prabhjot Kaur
	2015750	Rishabh Mehta
	2015751	Sudhanshu





CERTIFICATE OF APPRECIATION

THIS IS TO CERTIFY THATOF.....
..... HAS SUCCESSFULLY COMPLETED
CERTIFICATE COURSE ON "SKILL DEVELOPMENT FOR
BIOMEDICAL WASTE MANAGEMENT AND
MICROBIOLOGICAL TESTING", ORGANIZED BY
.....

FROM 11TH FEBRUARY TO 1ST APRIL 2023.

Dr. Gurpreet Kaur
Convener

Dr. Pratapbir Singh
Coordinator

Dr. R.K. Dhanon
Director-Principal



Estd 2009

e-mail: khalsacop.asr2009@gmail.com

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ACADEMIC YEAR (2022-2023)

NAME OF THE PROGRAM

Certificate course on Publication in High Impact Journals and
Reference Management

DURATION OF PROGRAM: Program will be conducted for 30hrs

NO OF ENROLLED STUDENTS:123

Outcome of the Certificate Course:

On completion of the course the students will be able to:

1. Gain knowledge about Journals (SCI/Scopus/web of science/UGC care list), Publishing houses.
2. Understand H index, I index and impact factor and their importance.
3. Apply different Reference styles during manuscript preparation.
4. Apply end note for reference management.

Assessment Criteria

75% attendance is compulsory.

In evaluation minimum 60% scoring is mandatory to get certificate

- Participants needs to maintain the discipline throughout the training and those who have laptop should carry it during the training hours for better understanding of reference styles.

Evaluation will be done in two steps.

- MCQ's that are of 20 marks.
- Capability of management of bibliography



KHALSA COLLEGE OF PHARMACY

Schedule for Certificate Course on “Publication in High Impact Journals and Reference Management” starting from 11th February 2023.

Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am.

S No	Course Content	Date	Time Duration	Delivered By
1	Introduction to Course with Research, Journal, Publishing houses	11 th February	2 Hrs	Dr Jasjeet Kaur Narang
2	H index I index predatory journals	11 th February	3 Hrs	Dr Jasjeet Kaur Narang
3	Review of literature	18 th February	2 Hrs	Dr Lakhvir Kaur
4	High impact journals and publishing rules	18 th February	3 Hrs	Dr Lakhvir Kaur
5	Good Citation practice	25 th February	5 hrs	Dr Jasjeet Kaur Narang
6	Tools for identification of good journals	4 th March	3 hrs	Dr Jasjeet Kaur Narang
7	Scopus indexed web of science and other indexing patterns	4 th March	2 hrs	Dr Jasjeet Kaur Narang
8	Reference styles and its management	18 th March	5 hrs	Dr Lakhvir Kaur
9	Reference tools like end note (hands on training)	25 th March	5 hrs	
10	Post training evaluation	1 st April	2 hrs	Dr Lakhvir Kaur
11	Valedictory	1st April		



**LIST OF STUDENTS FOR CERTIFICATE COURSE ON “PUBLICATION
IN HIGH IMPACT JOURNALS AND REFERENCE MANAGEMENT”
STARTING FROM 11TH FEBRUARY 2023**

Enrolled students (B PHARMACY)

S No	Reg. No.	Name of Student
1	1912460	Abhay Chawla
2	1912461	Abhay Dhawan
3	1912462	Akashdeep Singh
4	1912463	Akshit Gill
5	1912464	Amanat Kaur
6	1912465	Amandeep Kaur
7	1912468	Ankush
8	1912469	Arshdeep Singh
9	1912470	Asees Pal Singh
10	1912471	Avneet Singh
11	1912472	Bhagwant Singh
12	1912473	Bhannu Vashista
13	1912474	Davinder Singh
14	1912475	Diya Mehra
15	1912476	Gaurav Thakur
16	1912477	Gautam
17	1912478	Gavin Gaurav Raj
18	1912479	Guddu Kumar
19	1912480	Gurmanpreet Kaur
20	1912481	Gursimran Kaur
21	1912482	Harkirat Singh
22	1912483	Harpal Singh Sachdeva
23	1912484	Jagtar Singh
24	1912485	Jashandeep Singh
25	1912486	Jasleen Kaur
26	1912488	Karanbir Singh Hundal
27	1912489	Khushleen Kaur
28	1912490	Lakshay Suri
29	1912491	Lovepreet Singh

30	1912492	Lovepreet Singh(I.S)
31	1912494	Manish Singh
32	1912495	Manpreet Singh
33	1912496	Mohammad sohrab
34	1912498	Mohit Kumar
35	1912499	Mohit Sharma
36	1912500	Muskan Bedi
37	1912502	Nikhil Wahi
38	1912503	Piyush
39	1912504	Pritpal Kaur Malhi
40	1912505	Rishab Arora
41	1912507	Ritesh Bhanot
42	1912508	Ritesh Bajaj
43	1912509	Robinpreet Kaur
44	1912510	Rohit Kumar
45	1912512	Shivam
46	1912513	Shubham Guleria
47	1912514	Simran Kaur
48	1912515	Sukhmanpreet Singh
49	1912516	Suryanshu
50	1912518	Varun Mahajan
51	1912519	Vishal
52	2015769	Gazal
53	2015771	Jasmine Kaur
54	2015772	Malika Sharma
55	2015775	Rajbir Singh
56	2015776	Samiksha Devi
57	2015777	Sandeep Kaur
58	2015778	Sandeep Kaur
59		Sarvpreet Singh



LIST OF ENROLLED STUDENTS(BScMLS)

S.No.	Reg.No.	Name of Student
1	1929677	Irvandeep Kaur
2	2123702	Aarti
3	2123703	Aayusha Rani
4	2123704	Aditi Sharma
5	2123705	Amanpreet
6	2123705	Armanpreet Singh
7	2123709	Bhagwant Singh
8	2123710	Charanjeet
9	2123711	Diljit Singh
10	2123712	Farhan
11	2123714	Gurdeep Kaur
12	2123715	Gurkirpal Singh
13	2123716	Gurmanjot Singh
14	2123717	Gurpartap Singh
15	2123718	Gursahib Singh
16	2123719	Harmeet Kaur
17	2123720	Jasmeet Kaur GS
18	2123721	Jasmeet Kaur SS
19	2123722	Jaswinder Singh
20	2123723	Jatin Baboria
21	2123724	Karan Singh
22	2123725	Karanbir Singh
23	2123726	Kashish
24	2123727	Khushmanbir Kaur
25	2123728	Khushpreet Kaur
26	2123729	Lalit Kumar
27	2123730	Lovepreet Singh
28	2123731	Malkeet Singh
29	2123732	Manpreet Kaur
30	2123734	Mohit Sharma
31	2123735	Muskaan Mattu
32	2123736	Onkar Singh
33	2123737	Parmeet Kaur
34	2123738	Parveen Kaur
35	2123739	Pawandeep Kaur
36	2123740	Prabhjot Kaur
37	2123741	Rahul
38	2123742	Ramandeep Kaur
39	2123744	Ramanpreet Kaur
40	2123745	Ratinderbir Kaur
41	2123747	Rohit
42	2123748	Sanpreet Kaur
43	2123750	Sarojdeep Kaur
44	2123751	Sheweta Thakur
45	2123752	Simarjeet Singh

46	2123753	Simran
47	2123754	Sukhmandeep Kaur
48	2123755	Tanveer Kaur
49	2223694	Akanksha
50	2223695	Ashish
51	2223696	Darpan
52	2223697	Ekampreet
54	2223698	Hritik
55	2223699	Laxmi
56	2223703	Samiksha
57	2223704	Sarabraj
58	2223705	Shubhdeep
59	2223706	Sania
60	2223707	Sukhmanpreet
61	2223708	Ashish Kokri
62	2223709	Inderjeet Singh
63	2223710	Jatin Mahajan
64	2223711	Vandna





CERTIFICATE OF APPRECIATION

**THIS IS TO CERTIFY THATOF.....
..... HAS SUCCESSFULLY COMPLETED
CERTIFICATE COURSE ON "PUBLICATION IN HIGH IMPACT
JOURNALS AND REFERENCE MANAGEMENT", ORGANIZED
BY.....**

FROM 11TH FEBRUARY TO 1ST APRIL 2023

Dr. Lakhvir Kaur
Convener

Dr. Jajjeet Kaur Nangal
Coordinator

Dr. R.K. Dhanwan
Director-Principal



Estd 2009

e-mail: khalsacop.asr2009@gmail.com

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Khalsa College of Pharmacy

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Approved by AICTE, PCI, New Delhi & Punjab Govt. Affiliated to PTU, Kapurthala, PSBTE & IT, Chandigarh

ACADEMIC YEAR (2022-2023)

NAME OF THE PROGRAM

Automation in Clinical Biochemistry Analysis

DURATION OF PROGRAM

Program will be conducted for 30hrs

No of students Enrolled: 64

ASSESMENT CRITERIA

Minimum 80% attendance will be mandatory for every student.

- IT IS COMPULSORY FOR EVERY STUDENT TO PARTICIPATE IN POST TRAINING EVALUATION FOR CERTIFICATION
- Minimum score of 60% is mandatory in post training evaluation.

Evaluation of training will be divided into two parts

Day wise evaluation	Performance of student will be evaluated daily by each teacher (20%)
On last day evaluation on practical performance of student	That will be having weightage of 50%
MCQs	Weightage of 30%



KHALSA COLLEGE OF PHARMACY AND TECHNOLOGY, AMRITSAR

Program Schedule for certificate course on “Automation in Clinical Biochemistry Analysis” starting from 10th Sept 2022. Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am to 2pm.

S No	Course Content	Date	Time Duration	Delivered By
1	Introductory Session, Role of Automation in Clinical Biochemistry Laboratory	10 th Sept 2022	2 Hrs	Dr Gurpreet Kaur
2	Understanding various analytical procedures for routine biochemical parameters	10 th Sept 2022	3 Hrs	Dr Gurpreet Kaur
3	Understanding strategy for the acceptance and rejection of samples,	17 th Sept 2022	2 Hrs	Dr Gurpreet Kaur
4	Understanding lab errors (pre analytical, analytical and post analytical) and importance of quality control and quality assurance	17 th Sept 2022	3 Hrs	Dr Pratapbir Singh
5	Safety measures to dealing person with practical demonstration of devices, Reporting and interpretation of results.	24 th Sept 2022	5 hrs	Dr Pratapbir Singh
6	Hand on training on Semi auto analyzer and Fully auto analyzer for biochemical analysis	1 st Oct 2022	3 hrs	Dr Gurpreet Kaur/Dr. Narinder Kaur
7	Hands on training on UV Visible spectrophotometer, colorimeter and CBC Analyzer	1 st Oct 2022	2 hrs	Mrs Juhi Kataria
8	Hands on training on Electrolyte Analyzer	8 th Oct 2022	5 hrs	Dr Pratapbir Singh/ Dr
9	Hands on training on CLIA, Maglumi for assessment of hormones	15 th Oct 2022	5 hrs	Gurpreet Kaur
10	Interactive Session/Clinical Case Discussions/Assessment based on MCQ	22 nd Oct 2022	2 hrs	Dr Pratapbir Singh/ Dr Gurpreet Kaur
11	Valedictory Session	22nd Oct		



LIST OF ENROLLED STUDENTS
CERTIFICATE COURSE ON 'AUTOMATION IN BIOCHEMICAL
ANALYSIS'
SESSION :2022-23

S.No.	Reg.No.	Name of Student
1	2021980	Aishwanpreet singh
2	2021981	Aksha
3	2021982	Amandeep Singh
4	2021983	Amarjot Singh
5	2021985	Arpandeeep singh
6	2021987	Baljinder Singh
7	2021989	Bobby Singh
8	2021990	Dilpreet Singh
9	2021991	Eknoordeep singh
10	2021994	Gurinder katru
11	2021995	Harmandeep kaur
12	2021996	Harmandeep Singh
13	2021997	Husanpreet singh
14	2021998	Jaipreet jawanda
15	2021999	Jannat bhagat
16	2022000	Jashandeeep Kaur
17	2022001	Jasmeen kaur
18	2022003	karandeeep Singh
19	2022004	Kawalpreet Kaur
20	2022005	Komalpreet Kaur
21	2022006	Mahima
22	2022007	Manbin Kaur
23	2022008	Manpreet Kaur JS
24	2022009	Manpreet Kaur GS
25	2022010	Manpreet Singh
26	2022011	Manseerat Kaur
27	2022012	Meghna grover
28	2022013	Muskan
29	2022014	Namrata
30	2022015	Navpreet singh
31	2022016	Noor
32	2022017	Pahuldeeep kaur
33	2022018	Parneet randhawa
34	2022019	Pawanpreet
35	2022020	Prabhjeet Kaur
36	2022021	Prerna
37	2022022	Rajveer Singh
38	2022023	Ramanjot Kaur

39	2022024	Ramanpreet Kaur
40	2022025	Ramesh kumar
41	2022027	Rohit Sharma
42	2022028	Sanjampreet Kaur
43	2022029	Sanjana
44	2022031	Simranjeet Kaur
45	2022033	Vishaldeep Singh
46	2022034	Yashpreet kaur
47	2123759	Aditya
48	2123760	Anureet
49	2123761	Arun
50	2123763	Harjot
51	2123764	Harkanwar
52	2123765	Jaskirat
54	2123767	Mani masih
55	2123768	Manpreet JS
56	2123769	Manpreet MS
57	2123770	Navpreet
58	2123771	Nidhi
59	2123772	Prabhdeep
60	2123773	Sandeep kaur
61	2123774	Sandeep singh
62	2123775	Shivam
63	2123776	Simrandeep
64	2123777	Vishaldeep





Ref No



CERTIFICATE OF APPRECIATION

**This is to certify that _____ of _____
_____ has successfully completed Certificate course on
'Automation in Clinical Biochemistry Analysis', organized by Department
of Medical Lab Sciences, Khalsa College of Pharmacy & Technology,
Amritsar from 10th September to 22nd October 2023.**

Dr. Gurpreet Kaur Gill
Coordinator

Dr. Navinder Kaur
Coordinator

Dr. B.K. Dhanraj
Director



Estd 2009

e-mail: khalsacop.asr2009@gmail.com

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1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2022-2023)

S NO	NAME OF PROGRAM WITH COURSE CODE	DURATION
1	Evaluation Techniques in Pharmacy KCP-VAC 25	30hrs

Outcome of the Certificate Course:

On completion of the course the students will be able to:

1. Understand Principle and applications of Olympus Microscope.
2. Understand Principle and applications of Non-invasive BP measurement instrument.
3. Understand Principle and applications of Differential Scanning Calorimetry.
4. Understand Principle and applications of FT-IR.
5. Operate Olympus Microscope and evaluate slides using it.
6. Operate Non-invasive BP measurement instrument.

ASSESMENT CRITERIA

Minimum 80% attendance will be mandatory for every student.

- Minimum score of 70% is mandatory in post training evaluation.
- As this is practical training so participants should give practical performance at the time of evaluation



KHALSA COLLEGE OF PHARMACY

Schedule for Certificate course on "Evaluation Techniques in Pharmacy" from 5.9.2022 to 15.9.2022 from 1:00pm-5:00pm.

Day Number	Date	Student Group No.	Topic	Name of Faculty member
I	5.9.2022	All students	Principle and applications of Olympus Microscope	Dr Jasjeet Kaur Narang
II	6.9.2022	All students	Principle and applications of Non-invasive BP measurement instrument	Mrs Parminderjit Kaur
III	7.9.2022	All students	Principle and applications of Differential Scanning Calorimetry	Mr. Nishant Kumar
IV	8.9.2022	All students	Principle and applications of FT-IR	Dr Varinder Soni
V	9.9.2022	I	Training on operation and evaluation of slides using Olympus Microscope	Dr Jasjeet Kaur Narang
		II	Training on operation of Non-invasive BP measurement instrument	Mrs Parminderjit Kaur
		III	Training on operation and evaluation of drug/ excipient samples and their interactions using Differential Scanning Calorimetry	Mr. Nishant Kumar
		IV	Training on operation of Homogenisor and evaluation of samples of API and excipients using FT-IR	Dr Varinder Soni
VI	12.9.2022	I	Training on operation of Non-invasive BP measurement instrument	Mrs Parminderjit Kaur
		II	Training on operation and evaluation of slides using Olympus Microscope	Dr Jasjeet Kaur Narang
		III	Training on operation of Homogenisor and evaluation of samples of API and excipients using FT-IR	Dr Varinder Soni
		IV	Training on operation and evaluation of drug/ excipient samples and their interactions using Differential Scanning Calorimetry	Mr. Nishant Kumar
VII	13.9.2022	I	Training on operation of Homogenisor and evaluation of samples of API and excipients using FT-IR	Dr Varinder Soni
		II	Training on operation and evaluation of drug/ excipient samples and their interactions using Differential Scanning Calorimetry	Mr. Nishant Kumar
		III	Training on operation and evaluation of slides using Olympus Microscope	Dr Jasjeet Kaur Narang
		IV	Training on operation of Non-invasive BP measurement instrument	Mrs Parminderjit Kaur
VII		I	Training on operation and evaluation of drug/ excipient samples and their interactions using Differential Scanning Calorimetry	Mr. Nishant Kumar

	14.9.2022	II	Training on operation of Homogenisor and evaluation of samples of API and excipients using FT-IR	Dr Varinder Soni
III		Training on operation of Non-invasive BP measurement instrument	Mrs Parminderjit Kaur	
IV		Training on operation and evaluation of slides using Olympus Microscope	Dr Jasjeet Kaur Narang	
IX	15.9.2022	Test (2:00pm-3:00pm)		
		Valedictory Function (3:00pm-4:00pm)		

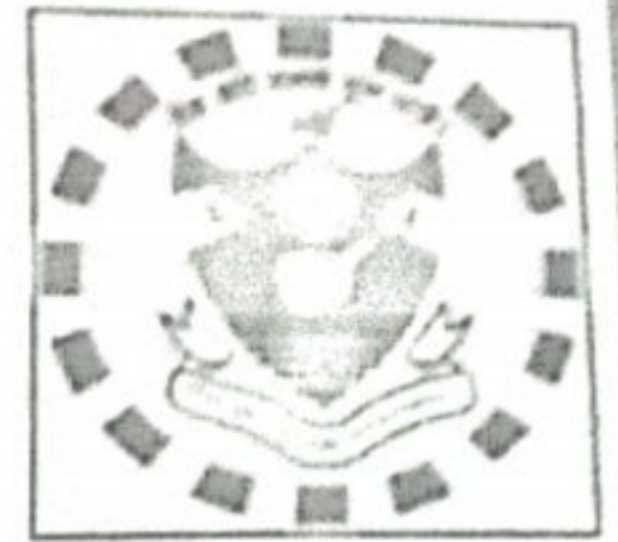


**LIST OF ENROLLED STUDENTS IN TRAINING CERTIFICATE COURSE ON
 "EVALUATION TECHNIQUES IN PHARMACY" FROM 5.9.2022 TO 15.9.2022 FROM
 1:00PM-5:00PM.**

S No	Reg. No.	Name of Student	BRANCH
1	1912460	Abhay Chawla	B PHARM
2	1912461	Abhay Dhawan	B PHARM
3	1912462	Akashdeep Singh	B PHARM
4	1912463	Akshit Gill	B PHARM
5	1912464	Amanat Kaur	B PHARM
6	1912465	Amandeep Kaur	B PHARM
7	1912468	Ankush	B PHARM
8	1912469	Arshdeep Singh	B PHARM
9	1912470	Asees Pal Singh	B PHARM
10	1912471	Avneet Singh	B PHARM
11	1912472	Bhagwant Singh	B PHARM
12	1912473	Bhannu Vashista	B PHARM
13	1912474	Davinder Singh	B PHARM
14	1912475	Diya Mehra	B PHARM
15	1912476	Gaurav Thakur	B PHARM
16	1912477	Gautam	B PHARM
17	1912478	Gavin Gaurav Raj	B PHARM
18	1912479	Guddu Kumar	B PHARM
19	1912480	Gurmanpreet Kaur	B PHARM
20	1912481	Gursimran Kaur	B PHARM
21	1912482	Harkirat Singh	B PHARM
22	1912483	Harpal Singh Sachdeva	B PHARM
23	1912484	Jagtar Singh	B PHARM
24	1912485	Jashandeep Singh	B PHARM
25	1912486	Jasleen Kaur	B PHARM
26	1912488	Karanbir Singh Hundal	B PHARM
27	1912489	Khushleen Kaur	B PHARM
28	1912490	Lakshay Suri	B PHARM
29	1912491	Lovepreet Singh	B PHARM
30	1912492	Lovepreet Singh(I.S)	B PHARM
31	1912494	Manish Singh	B PHARM

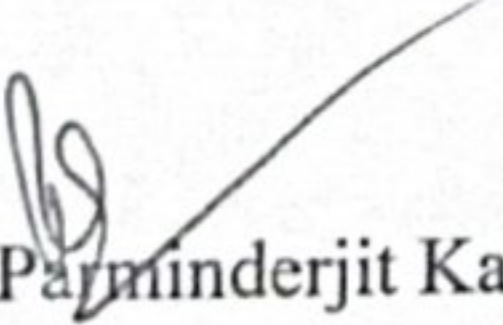
32	1912495	Manpreet Singh	B PHARM
33	1912496	Mohammad sohrab	B PHARM
34	1912498	Mohit Kumar	B PHARM
35	1912499	Mohit Sharma	B PHARM
36	1912500	Muskan Bedi	B PHARM
37	1912502	Nikhil Wahi	B PHARM
38	1912503	Piyush	B PHARM
39	1912504	Pritpal Kaur Malhi	B PHARM
40	1912505	Rishab Arora	B PHARM
41	1912507	Ritesh Bhanot	B PHARM
42	1912508	Ritesh Bajaj	B PHARM
43	1912509	Robinpreet Kaur	B PHARM
44	1912510	Rohit Kumar	B PHARM
45	1912512	Shivam	B PHARM
46	1912513	Shubham Guleria	B PHARM
47	1912514	Simran Kaur	B PHARM
48	1912515	Sukhmanpreet Singh	B PHARM
49	1912516	Suryanshu	B PHARM
50	1912518	Varun Mahajan	B PHARM
51	1912519	Vishal	B PHARM
52	2015769	Gazal	B PHARM
53	2015771	Jasmine Kaur	B PHARM
54	2015772	Malika Sharma	B PHARM
55	2015775	Rajbir Singh	B PHARM
56	2015776	Samiksha Devi	B PHARM
57	2015777	Sandeep Kaur	B PHARM
58	2015778	Sandeep Kaur	B PHARM
59		Sarvpreet Singh	B PHARM

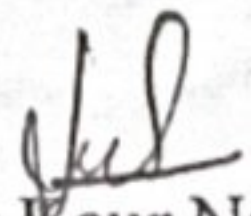





CERTIFICATE OF APPRECIATION

THIS IS TO CERTIFY THAT Cuddu Kumar OF B:
Pharmacy, 5th Sem. HAS SUCCESSFULLY COMPLETED CERTIFICATE
COURSE ON "EVALUATION TECHNIQUES IN PHARMACY",
ORGANIZED BY Khalsa College of Pharmacy, Amritsar FROM
5TH SEPTEMBER TO 15TH SEPTEMBER 2022.


Mrs Parminderjit Kaur
Convener


Dr. Jasjeet Kaur Narang
Coordinator


Dr. R.K. Dhawan
Director-Principal



ਖਾਲਸਾ ਕਾਲਜ ਆਫ ਫਾਰਮੇਸੀ

Khalsa College of Pharmacy

Ph: 0183-2450215

G.T. Road, Amritsar 143002

Estd 2009

e-mail: khalsacop.asr2009@gmail.com

Web: www.khalsacollegepharmacy.org

Approved by AICTE, PCI, New Delhi & Punjab Govt. Affiliated to PTU, Kapurthala, PSBTE & IT, Chandigarh

1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2022-2023)

S NO	NAME OF PROGRAM WITH COURSE CODE	No of students	DURATION
1	Post-COVID Concept of Business Development KCP-VAC 24	62	32hrs

LEARNING OUTCOME OF THE CERTIFICATE COURSE:

On completion of the course the students will be able to:

1. Understand challenges to business development post Covid.
2. Apply MSME Concept.
3. Understand Marketing digitalization and apply it.
4. Apply strategies for development and expansion of business post covid.

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 75% attendance will be mandatory for every student.

- The performance of students will be monitored regularly on the daily basis. So the participation of student in routine discussion is mandatory
- Minimum score of 60% is mandatory in post training evaluation.

Performance will be evaluated by the following pattern.

Analysis of concept on pre and post covid basis	ON THE BASIS OF THESE PARAMETERS STUDENTS WILL BE DIVIDED INTO CATEGORIES LIKE BEST, GOOD, BETTER AVERAGE AND UNACCEPTABLE
Development of rough idea related with business	
Technical understanding of real time problems	
MCQs test performance	



KHALSA COLLEGE OF PHARMACY

Schedule for certificate course on "Post-COVID Concept of Business Development" starting from 20th August 2022.

Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am onwards.

S No	Course Content	Date	Time Duration	Delivered By
1	Impact of COVID on micro and macro entrepreneur	20 th August	2 Hrs	Dr. Kavita Bhagat
2	MSME Concept and challenges	20 th August	3 Hrs	Mr. Nishant Kumar
3	Competencies and characteristics Entrepreneurial Value, Attitude and Motivation	27 th August	2 Hrs	Dr. Prince Ahad Mir
4	Select area from existing government policy guidelines/socio-economic reports	27 th August	3 Hrs	Mr. Nishant Kumar
5	Standardisation in industry and internal processes	3 rd September	5 hrs	Mr. Rajan Salwan
6	Ensures availability of skilled manpower at all management levels Enhancing abilities, potential among entrepreneurs	3 rd September	3 hrs	Dr. Prince Ahad Mir
7	Techno-economic survey of the selected area; feasibility study Identify potential and existing	10 th September	2 hrs	Mr. Nishant Kumar
8	Innovation, IPR and entrepreneur, Case studies	17 th September	5 hrs	Dr. Prince Ahad Mir
9	Marketing digitalization and case studies related with concept	24 th September	5 hrs	Mr. Nishant Kumar
10	Post Training Evaluation (Test)	27 th September	2 hrs	Dr. Prince Ahad Mir
11	Valedictory			



LIST OF STUDENTS FOR CERTIFICATE COURSE ON “POST-COVID CONCEPT OF BUSINESS DEVELOPMENT” STARTING FROM 20TH AUGUST 2022

S No	Reg. No.	Name of Student
1	2015689	Aarushi Gautam
2	2015690	Abhey Sharma
3	2015691	Abhishek Sharma
4	2015692	Akashdeep Singh
5	2015693	Akash Sharma
6	2015694	Amandeep
7	2015695	Amandeep Singh
8	2015696	Amrin Kaur
9	2015697	Amritpal Singh
10	2015698	Anmoldeep Singh
11	2015699	Anmolpreet Singh
12	2015700	Arshdeep
13	2015701	Arshdeep Singh
14	2015702	Dilpreet Singh
15	2015703	Geetam Mittal
16	2015704	Gourav Sharma
17	2015705	Gurwinder Singh
18	2015706	Harmanjit Singh
19	2015707	Harmanpreet Singh
20	2015708	Harshit Luthra
21	2015709	Jagmehekdeep Singh
22	2015710	Jashanpreet Singh
23	2015711	Jaswinder Singh
24	2015712	Jatin Dutt
25	2015713	Jobanpreet Singh Sodhi
26	2015714	Kanishka
27	2015715	Kartik Vinayak
28	2015716	Kunal Gupta
29	2015717	Manav
30	2015718	Maninder Singh
31	2015719	Manmeet Singh

32	2015721	Mohit Kumar
33	2015722	Neeraj Kumar
34	2015723	Nikita
35	2015724	Nitantika
36	2015725	Parampreet Kaur
37	2015726	Parth Dheer
38	2015727	Prabhnoor Kaur
39	2015728	Priyanshu Mahajan
40	2015729	Purushottam Kumar
41	2015730	Rajveer Singh
42	2015731	Rasamrit Kaur
43	2015732	Rishi Kukreja
44	2015733	Ronit Seth
45	2015734	Sahil Sharma
46	2015735	Sakshi Mehta
47	2015736	Samridhi Dogra
48	2015737	Savneet Kaur Gill
49	2015738	Savreetpal Singh
50	2015739	Shivani
51	2015740	Shivraj Singh
52	2015741	Simranpreet Kaur
53	2015742	Tanish Dhir
54	2015743	Arshdeep Kaur
55	2015744	Gagandeep Singh
56	2015745	Gurbir Singh
57	2015746	Harpreet Kaur
58	2015747	Hitesh Chandok
59	2015748	Manroop Singh
	2015749	Prabhjot Kaur
	2015750	Rishabh Mehta
	2015751	Sudhanshu





**CERTIFICATE
OF
APPRECIATION**

This is to certify thatof.....
..... has successfully completed Certificate
course on “Post-COVID Concept of Business Development”,
organized by

From 20th August to 27th September 2022.

Mr. Rajar Subban
Convener

Dr. Prince Abud
Coordinator

Dr. R.K. Dhawan
Director-Principal



Estd 2009

e-mail: khalsacop.asr2009@gmail.com

ਖਾਲਸਾ ਕਾਲਜ ਆਫ ਫਾਰਮੇਸੀ Khalsa College of Pharmacy

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1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2022-2023)

S NO	NAME OF PROGRAM WITH COURSE CODE	DURATION	List of enrolled students
1	Basics of dynamic light scattering and zeta potential KCP-VAC 23	30hrs	29

Learning Outcome of the Certificate Course:

On completion of the course the students will be able to:

1. Understand basic Principle and concepts of Dynamic light scattering and zeta potential, polydispersity index.
2. Understand components of Dynamic light scattering instrument in DLS.
3. Understand applications of Dynamic light scattering and zeta potential in academia and Industry.
4. Operate Litesizer 500.
5. Analyse different formulations using Litesizer 500.

ASSESSMENT CRITERIA

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 75% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification
- Test will be conducted in MCQ's format by ANTON-PAR
- Minimum score of 60% is mandatory in post training evaluation.



KHALSA COLLEGE OF PHARMACY

Schedule for certificate course on "Basics of Dynamic light scattering and zeta Potential" starting from 1ST August 2022 to 5th August 2022.

Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am.

S No	Course Content	Date	Time Duration	Delivered By
1	Introductory Session -Basic Principle and concepts of Dynamic light scattering and zeta potential, polydispersity index	1st August	6 Hrs	Dr Jasjeet Kaur Narang
2	Components of Dynamic light scattering instrument and correlation in DLS	2 nd August	6 Hrs	Dr Parminderjit Kaur
3	Applications of Dynamic light scattering and zeta potential in academia and Industry	3 rd August	6 Hrs	Dr Rishi
4	Hands on training on Litesizer 500	4 th August	6 Hrs	Dr Rishi
5	Analysis of different formulations using Litesizer 500	5 th August	6 hrs	Dr Rishi
6	Post Training Evaluation (Test)	5 th August	1 hr	Dr Jasjeet Kaur Narang
8	Valedictory	5 th August	4:30 to 5:00	



LIST OF ENROLLED STUDENTS FOR CERTIFICATE COURSE ON "BASICS OF DYNAMIC LIGHT SCATTERING AND ZETA POTENTIAL" STARTING FROM 1ST AUGUST 2022 TO 5TH AUGUST 2022

list of enrolled students

S.No	Reg. No	Student Name
1.	2015752	Lavish Kumar
2.	2015753	Sukhdeep Singh
3.	2015754	Aarti Sharma
4.	2015755	Gurpreet Kaur
5.	2015756	Hanum Sharma
6.	2015757	Kiranjeet Kaur
7.	2015758	Lovepreet Singh
8.	2015759	Manjeet Kaur
9.	2015760	Manu Sharma
10.	2015761	Navyot Singh
11.	2015762	Vaani Behal
12.	2015763	Amsitpal Kaur
13.	2015764	Bhawana Bisht
14.	2015766	Ritika Paul
15.	2015768	Poojesh Sharma
16.	2117083	Ashay Sharma
17.	2117084	Akshay Kumar
18.	2117085	Anam Sharma
19.	2117086	Aniket
20.	2117087	Komal
21.	2117088	Nitish
22.	2117089	Priyanka
23.	2117090	Saharsh
24.	2117092	Diksha



25.	2117092	Karan Dev
26.	2117093	Nitika Choudhary
27.	2117094	Radhika
28.	9117095	Sonali
29.	9117082	Naman Sethi

[Handwritten signature]





Anton Paar

MR VARUN BEHAL

is awarded this

CERTIFICATE OF PARTICIPATION

for attending the certificate course on
"Basics of Dynamic Light Scattering and Zeta Potential"

jointly organized by
Khalsa College of Pharmacy, Amritsar, Punjab and
Anton Paar India Pvt. Ltd.

From: 1st AUGUST 2022 TO 5th AUGUST 2022

Presented by
Dr. Rishi Gupta
Anton Paar India Pvt. Ltd.
Gurgaon, Haryana

Faculty Convener
Dr. Jasjeet Kaur
Khalsa College of Pharmacy
Amritsar, Punjab

Director
Principal
Khalsa College of Pharmacy
Amritsar, Punjab

Faculty Co-convener
Mrs. Parminderjit Kaur
Khalsa College of Pharmacy
Amritsar, Punjab

Faculty Co-convener
Dr. Lakhvir Kaur
Khalsa College of Pharmacy
Amritsar, Punjab

PRINCIPAL
KHALSA COLLEGE OF PHARMACY
AMRITSAR



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Khalsa College of Pharmacy

Ph: 0183-2450215

G.T. Road, Amritsar 143002

Estd 2009

e-mail: khalsacop.asr2009@gmail.com

Web: www.khalsacollegepharmacy.org

Approved by AICTE, PCI, New Delhi & Punjab Govt. Affiliated to PTU, Kapurthala, PSBTE & IT, Chandigarh

1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2022-2023)

S NO	NAME OF PROGRAM WITH COURSE CODE	DURATION	No of students
1	Medical devices, Clinical Trials and Regulations in India KCP-VAC 22	30hrs	45

Learning Outcome

On completion of the course the students will be able to:

1. Classify different medical devices.
2. Understand the rules and regulations concerning medical devices in India.
3. Understand Quality assurance and quality control parameters for evaluation of medical devices.
4. Understand procedure for getting approval and license for medical devices.

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 75% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification
- Test will be conducted in MCQ's format
- Minimum score of 60% is mandatory in post training evaluation.



KHALSA COLLEGE OF PHARMACY

Schedule for certificate course on “Medical devices, Clinical Trials and Regulations in India” starting from 27th August 2022.

Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am.

S No	Course Content	Date	Time Duration	Delivered By
1	Introduction	27 th August	2 Hrs	Dr Tajpreet Kaur
2	Class of medical devices	3 rd September	3 Hrs	Dr Kamaldeep Kaur
3	Rules and regulations	10 th September	2 Hrs	Dr Tajpreet Kaur
4	Quality assurance	17 th September	3 Hrs	Dr Kamaldeep Kaur
5	Quality control and evaluation parameters	24 th September	5 hrs	Mrs Parminderjit Kaur
6	Licensing requirements	1 st October	3 hrs	Dr Kamaldeep Kaur
7	In-vitro diagnostic devices regulations	8 th October	2 hrs	Dr Tajpreet Kaur Dr Kamaldeep Kaur
8	Implementation criteria EU regulations	15 th October	5 hrs	Dr Tajpreet Kaur
9	How to tackle overall procedure regarding approval of medical devices	22 th October	5 hrs	
10	Post Training Evaluation (Test)	29 th October	2 hrs	Dr Kamaldeep Kaur
11	Valedictory			



LIST OF ENROLLED STUDENTS FOR CERTIFICATE COURSE ON “MEDICAL DEVICES, CLINICAL TRIALS AND REGULATIONS IN INDIA” STARTING FROM 27TH AUGUST 2022.

S No	Reg. No.	Name of Student
1	1912460	Abhay Chawla
2	1912461	Abhay Dhawan
3	1912462	Akashdeep Singh
4	1912463	Akshit Gill
5	1912464	Amanat Kaur
6	1912465	Amandeep Kaur
7	1912468	Ankush
8	1912469	Arshdeep Singh
9	1912470	Asees Pal Singh
10	1912471	Avneet Singh
11	1912472	Bhagwant Singh
12	1912473	Bhannu Vashista
13	1912474	Davinder Singh
14	1912475	Diya Mehra
15	1912476	Gaurav Thakur
16	1912477	Gautam
17	1912478	Gavin Gaurav Raj
18	1912479	Guddu Kumar
19	1912480	Gurmanpreet Kaur
20	1912481	Gursimran Kaur
21	1912482	Harkirat Singh
22	1912483	Harpal Singh Sachdeva
23	1912484	Jagtar Singh
24	1912485	Jashandeep Singh
25	1912486	Jasleen Kaur
26	1912488	Karanbir Singh Hundal
27	1912489	Khushleen Kaur
28	1912490	Lakshay Suri

29	1912498	Mohit Kumar
30	1912499	Mohit Sharma
31	1912500	Muskan Bedi
32	1912502	Nikhil Wahi
33	1912503	Piyush
334	1912504	Pritpal Kaur Malhi
35	1912505	Rishab Arora
36	1912507	Ritesh Bhanot
37	1912508	Ritesh Bajaj
38	1912509	Robinpreet Kaur
39	1912510	Rohit Kumar
40	1912512	Shivam
41	1912513	Shubham Guleria
42	1912514	Simran Kaur
43	1912515	Sukhmanpreet Singh
44	1912516	Suryanshu
45	2015776	Samiksha Devi





CERTIFICATE OF APPRECIATION

**THIS IS TO CERTIFY THATOF.....
..... HAS SUCCESSFULLY COMPLETED
CERTIFICATE COURSE ON "MEDICAL DEVICES, CLINICAL TRIALS
AND REGULATIONS IN INDIA", ORGANIZED BY
.....
FROM 27TH AUGUST TO 29ND OCTOBER 2022.**

Dr Kamaldeep Kaur
Coordinator

Dr Tejpreet Kaur
Coordinator

Dr B.K. Dhillon
Director-Principal



Estd 2009

e-mail: khalsacop.asr2009@gmail.com

ਖਾਲਸਾ ਕਾਲਜ ਆਫ ਫਾਰਮੇਸੀ Khalsa College of Pharmacy

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1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2021-2022)

S NO	NAME OF PROGRAM	DURATION	No of enrolled students
1	Holistic approach of Integration of Value Education and Social Issues	30hrs	60

Outcome of the Certificate Course:

On completion of the course the students will be able to:

1. Develop culture of peace and values required for a peaceful society.
2. Understand importance of Harmony with nature and harmony in family.
3. Understand the role of UNESCO guidelines in value education.
4. To deal rationally with the ethical problems surrounding the personal and social issues

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 75% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification
- Test will be conducted in MCQ's format
- Minimum score of 60% is mandatory in post training evaluation..
- Students will be evaluated by two criteria
- One by MCQs
- One on the last day during the discussion hour, whether student can speak about the following criteria or not and they are demarcated into good, acceptable and nonacceptable.



PERFORMANCE OF STUDENTS FOR CERTIFICATE COURSE ON "HOLISTIC APPROACH OF INTEGRATION OF VALUE EDUCATION AND SOCIAL ISSUES" STARTING FROM 19TH FEBRUARY 2022

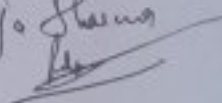
S no			Whether student being able to explain the holistic approach and harmony in three orders	Whether student able to understand relationship between holistic approach and harmony	Whether the student able to explain the role of value education in solving the social issues
1		Ashima	Good	Good	Good
2	2117020	Abhineet Ladoiya	Good	Good	Acceptable
4	2117022	Akashdeep Singh	-	-	-
5	2117023	Akashdeep Singh	Good	Good	Good
6	2117024	Ankit Kumar	Good	Acceptable	Good
8	2117025	Ankuj Kumar	Good	Good	Good
9	2117026	Anshika	Good	Good	Good
10	2117027	Ashnoor Kaur	Good	Good	Good
11	2117028	Ashutosh Gautam	Good	Good	Unacceptable
12	2117029	Avneet Kaur	-	-	-
13	2117030	Ayush Behal	Good	Good	Good
14	2117031	Chaitanya Mehra	Good	Acceptable	Acceptable
15	2117032	Damanpreet Singh	Acceptable	Acceptable	Acceptable
16	2117033	Geetanjali Sharma	Good	Good	Acceptable
17	2117034	Gurlivleen Kaur	Good	Good	Good
18	2117035	Gurmukh Singh	Acceptable	Acceptable	Acceptable
19	2117036	Harchit Kaur	Good	Good	Good
21	2117037	Hardik Arora	Unacceptable	Unacceptable	Unacceptable



22	2117038	Hazi Singh	Good	Good	Good
23	2117039	Harpritam Singh	Good	Acceptable	Acceptable
24	2117040	Hunarpreet Kaur	Good	Good	Good
25	2117041	Inderjit Pradhan	Good	Good	Good
26	2117042	Jaskaran Singh	Acceptable	Acceptable	Acceptable
27	2117043	Jaspal Singh	Unacceptable	Unacceptable	Unacceptable
28	2117044	Karan Bedi	Acceptable	Acceptable	Acceptable
29	2117045	Kartiik Gupta	Good	Good	Good
30	2117046	Komalpreet Kaur	-	-	-
31	2117047	Komalpreet Kaur	Good	Good	Good
32	2117048	Manbir Kaur	Good	Good	Good
33	2117049	Manik Sareen	Good	Good	Good
34	2117050	Manik Sharma	Good	Good	Good
35	2117051	Maninder Kaur	Good	Good	Good
36	2117052	Manmeet Kaur	Good	Good	Good
37	2117053	Manmohan Singh	Acceptable	Acceptable	Unacceptable
38	2117054	Mansi Thakur	Good	Good	Good
40	2117056	Mehrab Kaur Sandhu	Acceptable	Acceptable	Acceptable
41	2117057	Muskan	Good	Good	Good
42	2117058	Navpreet Singh	Good	Good	Good
43	2117059	Pardeep Singh	Unacceptable	Acceptable	Unacceptable
44	2117061	Prabhjot Kaur	Good	Good	Good
45	2117062	Priyanka Tura	Good	Good	Good
46	2117063	Rajbir Singh	Good	Good	Good
47	2117065	Raunak Tiwari	Good	Acceptable	Acceptable



48	2117066	Rayan Bhardwaj	Good	Good	Good
49	2117067	Rhythm Mahajan	Good	Good	Good
50	2117068	Sahil Shingari	Good	Good	Good
51	2117069	Sanchi Mahajan	Good	Good	Good
52	2117070	Savreen Kaur	Good	Good	Good
53	2117072	Shobit Gupta	Good	Good	Good
54	2117074	Sukhmanpreet Kaur	Good	Good	Good
55	2117075	Sukhmeet Singh Ahuja	Good	Good	Good
56	2117077	Tanisha	Good	Good	Good
57	2117078	Tanu Ashmeet Kaur	Good	Good	Good
58	2117079	Tushar Saroop	Good	Good	Good
59	2117080	Varun Bawa	Good	Good	Good
60	2117081	Vivek	Good	Good	Good

Miss Pooja Sharma




Schedule for program

Schedule for certificate course on “Holistic approach of Integration of Value Education and Social Issues” starting from 19th February 2022.

Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am onwards.

S No	Course Content	Date	Time Duration	Delivered By
1	Introduction	19 th February	2 Hrs	Mrs Parminderjit Kaur
2	Development of culture of peace and values among students	19 th February	3 Hrs	Mrs Jasreen Uppal
3	UNESCO Guidelines	26 th February	2 Hrs	Mrs Parminderjit Kaur
4	Teaching style in holistic approach	26 th February	3 Hrs	Mrs Pooja sharma
5	Understanding Happiness and prosperity correctly: A critical appraisal of the current scenario Existence in coexistence	5 th March	5 hrs	Mrs Parminderjit Kaur
6	Harmony in Family (relationships)	5 th March	3 hrs	Mrs Pooja sharma
7	Harmony with Nature	12 th March	2 hrs	Mrs Pooja sharma
8	Value Analysis: A practical approach	12 th March	5 hrs	Mrs Parminderjit Kaur/
9	Real time case studies with role play	19 th March	5 hrs	Mrs Pooja sharma
10	Multiple choice question (Test)	4 th April	2 hrs	Mrs Parminderjit Kaur
11	Valedictory	4 th April		



**LIST OF ENROLLED STUDENTS FOR FOR CERTIFICATE COURSE ON
“HOLISTIC APPROACH OF INTEGRATION OF VALUE EDUCATION AND SOCIAL
ISSUES” STARTING FROM 19TH FEBRUARY 2022**

1	2117019	Aashima
2	2117020	Abhineet Ladoiya
4	2117022	Akashdeep Singh
5	2117023	Akashdeep Singh
6	2117024	Ankit Kumar
8	2117025	Ankuj Kumar
9	2117026	Anshika
10	2117027	Ashnoor Kaur
11	2117028	Ashutosh Gautam
12	2117029	Avneet Kaur
13	2117030	Ayush Behal
14	2117031	Chaitanya Mehra
15	2117032	Damanpreet Singh
16	2117033	Geetanjali Sharma
17	2117034	Gurlivleen Kaur
18	2117035	Gurmukh Singh
19	2117036	Harchit Kaur
21	2117037	Hardik Arora
22	2117038	Hari Singh
23	2117039	Harpritam Singh
24	2117040	Hunarpreet Kaur
25	2117041	Inderjit Pradhan
26	2117042	Jaskaran Singh
27	2117043	Jaspal Singh
28	2117044	Karan Bedi
29	2117045	Kartik Gupta
30	2117046	Komalpreet Kaur
31	2117047	Komalpreet Kaur
32	2117048	Manbir Kaur
33	2117049	Manik Sareen
34	2117050	Manik Sharma
35	2117051	Maninder Kaur
36	2117052	Manmeet Kaur
37	2117053	Manmohan Singh
38	2117054	Mansi Thakur
40	2117056	Mehrab Kaur Sandhu
41	2117057	Muskan
42	2117058	Navpreet Singh
43	2117059	Pardeep Singh

44	2117061	Prabhjot Kaur
45	2117062	Priynka Tura
46	2117063	Rajbir Singh
47	2117065	Raunak Tiwari
48	2117066	Rayan Bhardwaj
49	2117067	Rhythm Mahajan
50	2117068	Sahil Shingari
51	2117069	Sanchi Mahajan
52	2117070	Savreen Kaur
53	2117072	Shobit Gupta
54	2117074	Sukhmanpreet Kaur
55	2117075	Sukhmeet Singh Ahuja
56	2117077	Tanisha
57	2117078	Tanu Ashmeet Kaur
58	2117079	Tushar Saroop
59	2117080	Varun Bawa
60	2117081	Vivek





CERTIFICATE OF APPRECIATION

**THIS IS TO CERTIFY THATOF.....
..... HAS SUCCESSFULLY COMPLETED
CERTIFICATE COURSE ON "HOLISTIC APPROACH OF INTEGRATION
OF VALUE EDUCATION AND SOCIAL ISSUES", ORGANIZED BY
.....
FROM 19TH FEBRUARY TO 4TH APRIL 2022.**

Mrs Pooja Sharma
Coordinator

Mrs Parminderjit Kaur
Coordinator

Dr. R. K. Dhillon
Director-Principal



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1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2021-2022)

S NO	NAME OF PROGRAM WITH COURSE CODE	DURATION	No of enrolled students
1	Qualitative and Quantitative Aspects to Write a Great Paper	30hrs	125

OUTCOME OF THE CERTIFICATE COURSE:

On completion of the course the students will be able to:

1. Understand various parts of a manuscript and significance of each part.
2. Understand Quality aspects of manuscript and Plagiarism.
3. Apply different citation styles according to Journal.
4. Apply Reference tools for reference management.

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 75% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification
- Minimum score of 60% is mandatory in post training evaluation.



KHALSA COLLEGE OF PHARMACY

Schedule for Certificate Course on “Qualitative and Quantitative Aspects to Write a Great Paper” starting from 19th February 2022. Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am onwards.

S No	Course Content	Date	Time Duration	Delivered By
1	Introduction	19 th February	2 Hrs	Dr Jasjeet Kaur Narang
2	Classes of journals	19 th February	3 Hrs	Dr Jasjeet Kaur Narang
3	Predatory journals	26 th February	2 Hrs	Dr Lakhvir Kaur
4	Manuscript writing and its various parts	26 th February	3 Hrs	Dr Lakhvir Kaur
5	Quality aspects of manuscript	5 th March	5 hrs	Dr Jasjeet Kaur Narang
6	Quantification of content and its importance	5 th March	3 hrs	Dr Jasjeet Kaur Narang
7	Research paper writing and indexing and impact factor	12 th March	2 hrs	Dr Jasjeet Kaur Narang
8	Hands on training	12 th March	5 hrs	Dr Lakhvir Kaur
9	Reference tools like end note (hands on training)	19 th March	5 hrs	Kaur
10	Post training evaluation	4 th April	2 hrs	Dr Lakhvir Kaur
11	Valedictory	4th April		



LIST OF ENROLLED STUDENTS FOR CERTIFICATE COURSE ON “QUALITATIVE AND QUANTITATIVE ASPECTS TO WRITE A GREAT PAPER” STARTING FROM 19TH FEBRUARY 2022

S No	Name of Student B PHARMACY	Reg.No. BSC MLS	Name of Student BSC MLS
1	Akash Sharma	2021980	Aishwanpreet singh
2	Akshit Devgan	2021981	Aksha
3	Aman Mahajan	2021982	Amandeep Singh
4	Ankit	2021983	Amarjot Singh
5	Ankush Kapoor	2021985	Arpandeeep singh
6	Arvinder Kaur	2021987	Baljinder Singh
7	Ashish Verma	2021989	Bobby Singh
8	Atira U	2021990	Dilpreet Singh
9	Bir Karan Singh	2021991	Eknoordeep singh
10	Gurpreet Kaur(K.S)	2021994	Gurinder katru
11	Gurpreet Kaur(M.S)	2021995	Harmandeep kaur
12	Harpreet Kaur(GS)	2021996	Harmandeep Singh
13	Harpreet Kaur(KS)	2021997	Husanpreet singh
14	Harpreet Singh(BS)	2021998	Jaipreet jawanda
15	Harpreet Singh(AS)	2021999	Jannat bhagat
16	Harsimran Kaur	2022000	Jashandeeep Kaur
17	Jaspreet Kaur	2022001	Jasmeen kaur
18	Jobenpreet Singh	2022003	karandeeep Singh
19	Kanish Gupta	2022004	Kawalpreet Kaur
20	Karanpreet Kaur	2022005	Komalpreet Kaur
21	Kiranjeet Kaur	2022006	Mahima
22	kunal Pathak	2022007	Manbin Kaur
23	Laxman Pawar	2022008	Manpreet Kaur JS
24	Madhu	2022009	Manpreet Kaur GS
25	Mayank Sharma	2022010	Manpreet Singh
26	Mohit Goyal	2022011	Manseerat Kaur
27	Navneet Kaur	2022012	Meghna grover
28	Navpreet Kaur	2022013	Muskan
29	Navroop Kaur	2022014	Namrata
30	Neelam	2022015	Navpreet singh
31	Neelamjit Kaur	2022016	Noor
32	Nitin Kumar	2022017	Pahuldeeep kaur
33	Nitish Sharma	2022018	Parneet randhawa
34	Pawandeeep Kaur	2022019	Pawanpreet
35	Rohan Sharma	2022020	Prabhjeet Kaur
36	Rohit Chopra	2022021	Prerna

37	Rohit Verma		2022022	Rajveer Singh
38	Saloni		2022023	Ramanjot Kaur
39	Satwinder Kaur		2022024	Ramanpreet Kaur
40	Sehaz Preet Kaur		2022025	Ramesh kumar
41	Shashwat Sharma		2022027	Rohit Sharma
42	Shivansh Saharma		2022028	Sanjampreet Kaur
43	Shreya		2022029	Sanjana
44	Simranbir Singh		2022031	Simranjeet Kaur
45	Simranjeet Kaur		2022033	Vishaldeep Singh
46	Sukhpal		2022034	Yashpreet kaur
47	Sunaina		2123759	Aditya
48	Tamana		2123760	Anureet
49	Tanya Sehgal		2123761	Arun
50	Vaibhav Kalia		2123763	Harjot
51	Varinda		2123764	Harkanwar
52	Ashir Dalaria		2123765	Jaskirat
53	Harjot Singh		2123767	Mani masih
54	Rishab Gupta		2123768	Manpreet JS
			2123769	Manpreet MS
			2123770	Navpreet
			2123771	Nidhi
			2123772	Prabhdeep
			2123773	Sandeep kaur
			2123774	Sandeep singh
			2123775	Shivam
			2123776	Simrandeep
			2123777	Vishaldeep
			2123779	Gomti Bala
			2123780	Karanbir Singh
			2123781	Manraj Singh
			2123782	Poonamdeep Kaur





CERTIFICATE OF APPRECIATION

This is to certify thatof.....
..... has successfully completed
Certificate course on "QUALITATIVE AND QUANTITATIVE
ASPECTS TO WRITE A GREAT PAPER", organized by
.....

From 19th February to 4th April 2022.

Dr. Lakshmi Kant
Coursewar

Dr. Jagpreet Kaur Narang
Coordinator

Dr. R. K. Dhillon
Director-Principal



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1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2021-2022)

S NO	NAME OF PROGRAM WITH COURSE CODE	DURATION	No of students enrolled
1	Environmentally Sound Management of Medical Waste	30hrs	59

Outcome of the Certificate Course:

On completion of the course the students will be able to:

1. Manage medical wastes.
2. Identify healthcare facilities prone to contamination by medical wastes.
3. Understand risk factors related with medical waste.
4. Understand Harmonization of environment and health policy.
5. Utilize Segregation techniques for medical waste management.

ASSESSMENT CRITERIA

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 75% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification

The evaluation will be carried out in two ways:

- Test will be conducted in MCQ's format & weightage will be 50%
- As this will be hand on training so each student must perform the practical learned during the training and weightage will be 50%
- Minimum score of 60% is mandatory in post training evaluation



KHALSA COLLEGE OF PHARMACY

Schedule for certificate course on “Environmentally Sound Management of Medical Waste” starting from 19th February 2022.

Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am onwards.

S No	Course Content	Date	Time Duration	Delivered By
1	Introduction	19 th February	2 Hrs	Mrs Juhi Walia
2	Risk factors related with medical waste	19 th February	3 Hrs	Mrs Juhi Walia
3	Segregation techniques	26 th February	2 Hrs	Dr Pratapbir Singh
4	Identification of healthcare facilities prone to contamination	26 th February	3 Hrs	Dr Pratapbir Singh
5	Management of waste	5 th March	5 hrs	Dr Pratapbir Singh
6	Harmonization of environment and health policy	5 th March	3 hrs	Dr Pratapbir Singh
7	Medical and biomedical waste concept and management	12 th March	2 hrs	Dr Pratapbir Singh
8	Real time case studies	12 th March	5 hrs	Dr Pratapbir Singh/ Dr Gurpreet Kaur
9	Real time case studies	19 th March	5 hrs	
10	Multiple choice question (Test)	4 th April	2 hrs	Dr Pratapbir Singh/ Dr Gurpreet Kaur
11	Valedictory	4th April		

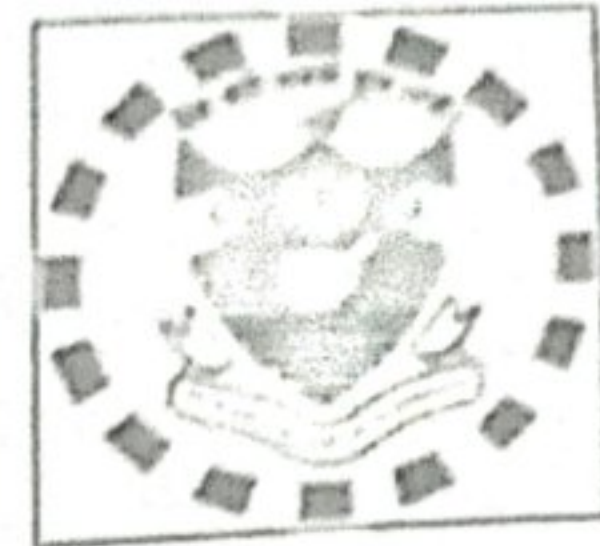


**LIST OF ENROLLED STUDENTS FOR CERTIFICATE COURSE ON
“ENVIRONMENTALLY SOUND MANAGEMENT OF MEDICAL WASTE” STARTING
FROM 19TH FEBRUARY 2022.**

S No	Reg. No.	Name of Student
1	1912460	Abhay Chawla
2	1912461	Abhay Dhawan
3	1912462	Akashdeep Singh
4	1912463	Akshit Gill
5	1912464	Amanat Kaur
6	1912465	Amandeep Kaur
7	1912468	Ankush
8	1912469	Arshdeep Singh
9	1912470	Asees Pal Singh
10	1912471	Avneet Singh
11	1912472	Bhagwant Singh
12	1912473	Bhannu Vashista
13	1912474	Davinder Singh
14	1912475	Diya Mehra
15	1912476	Gaurav Thakur
16	1912477	Gautam
17	1912478	Gavin Gaurav Raj
18	1912479	Guddu Kumar
19	1912480	Gurmanpreet Kaur
20	1912481	Gursimran Kaur
21	1912482	Harkirat Singh
22	1912483	Harpal Singh Sachdeva
23	1912484	Jagtar Singh
24	1912485	Jashandeep Singh
25	1912486	Jasleen Kaur
26	1912488	Karanbir Singh Hundal
27	1912489	Khushleen Kaur
28	1912490	Lakshay Suri
29	1912491	Lovepreet Singh
30	1912492	Lovepreet Singh(I.S)
31	1912494	Manish Singh

32	1912495	Manpreet Singh
33	1912496	Mohammad sohrab
34	1912498	Mohit Kumar
35	1912499	Mohit Sharma
36	1912500	Muskan Bedi
37	1912502	Nikhil Wahi
38	1912503	Piyush
39	1912504	Pritpal Kaur Malhi
40	1912505	Rishab Arora
41	1912507	Ritesh Bhanot
42	1912508	Ritesh Bajaj
43	1912509	Robinpreet Kaur
44	1912510	Rohit Kumar
45	1912512	Shivam
46	1912513	Shubham Guleria
47	1912514	Simran Kaur
48	1912515	Sukhmanpreet Singh
49	1912516	Suryanshu
50	1912518	Varun Mahajan
51	1912519	Vishal
52	2015769	Gazal
53	2015771	Jasmine Kaur
54	2015772	Malika Sharma
55	2015775	Rajbir Singh
56	2015776	Samiksha Devi
57	2015777	Sandeep Kaur
58	2015778	Sandeep Kaur
59		Sarvpreet Singh





CERTIFICATE OF APPRECIATION

THIS IS TO CERTIFY THAT *Gautam*.....OF *B:*.....
Pharmacy 6th Semester HAS SUCCESSFULLY COMPLETED
CERTIFICATE COURSE ON "ENVIRONMENTALLY SOUND
MANAGEMENT OF MEDICAL WASTE", ORGANIZED BY
Khalsa College of Pharmacy, Amritsar.....

FROM 19TH FEBRUARY TO 4TH APRIL 2022

Dr Gurpreet Kaur
Convener

Dr. Pratapbir Singh
Coordinator

PRINCIPAL
KHALSA COLLEGE OF PHARMACY
AMRITSAR
Director-Principal



ਖਾਲਸਾ ਕਾਲਜ ਆਫ ਫਾਰਮੇਸੀ

Khalsa College of Pharmacy

Ph: 0183-2450215

G.T. Road, Amritsar 143002

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e-mail: khalsacop.asr2009@gmail.com

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Approved by AICTE, PCI, New Delhi & Punjab Govt. Affiliated to PTU, Kapurthala, PSBTE & IT, Chandigarh

1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2021-2022)

S NO	NAME OF PROGRAM	DURATION
1	Techniques in Pharmacological Screening of Pharmaceuticals and Nutraceuticals	30hrs

On completion of the course the students will be able to:

1. Understand different computational techniques in Pharmacological Screening of Pharmaceuticals and Nutraceuticals.
2. Apply in-silico techniques in Pharmacological Screening of Pharmaceuticals and Nutraceuticals.
3. Apply Molecular modelling technique for screening Nutraceuticals.

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 75% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification
- Test will be conducted in MCQ's format
- Minimum score of 60% is mandatory in post training evaluation.



KHALSA COLLEGE OF PHARMACY

Schedule for certificate course on "Techniques in Pharmacological Screening of Pharmaceuticals and Nutraceuticals" starting from 21st August 2021.

Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am.

S No	Course Content	Date	Time Duration	Delivered By
1	Introduction	21 st August	2 Hrs	Dr Navneet Nagpal
2	New paradigm on drug discovery	28 th August	3 Hrs	Dr Kamaldeep Kaur
3	General aspects of Pharmacological Screening of Pharmaceuticals and Nutraceuticals	4 th September	2 Hrs	Dr Navneet Nagpal
4	Preclinical Screening Models for CNS, ANS, CVS	11 th September	3 Hrs	Dr Kamaldeep Kaur
5	Preclinical Screening Models for Respiratory system, Urinary system and blood	18 th September	5 hrs	Dr Navneet Nagpal
6	Proteomics/Artificial intelligence	25 th September	3 hrs	Dr Kamaldeep Kaur
7	Computational techniques	9 th October	2 hrs	Dr Navneet Nagpal Dr Kamaldeep Kaur
8	Virtual targeted/in-silico techniques	16 th October	5 hrs	Dr Navneet Nagpal
9	Molecular modelling in nutraceutical field	23 rd October	5 hrs	
10	Post Training Evaluation (Test)	30 th October	2 hrs	Dr Kamaldeep Kaur
11	Valedictory			



LIST OF STUDENTS ENROLLED IN CERTIFICATE COURSE ON “TECHNIQUES IN PHARMACOLOGICAL SCREENING OF PHARMACEUTICALS AND NUTRACEUTICALS” STARTING FROM 21TH AUGUST 2021

S No	Name of Student	Branch
1	Akash Sharma	B pharm
2	Akshit Devgan	B pharm
3	Aman Mahajan	B pharm
4	Ankit	B pharm
5	Ankush Kapoor	B pharm
6	Arvinder Kaur	B pharm
7	Ashish Verma	B pharm
8	Atira U	B pharm
9	Bir Karan Singh	B pharm
10	Gurpreet Kaur(K.S)	B pharm
11	Gurpreet Kaur(M.S)	B pharm
12	Harpreet Kaur(GS)	B pharm
13	Harpreet Kaur(KS)	B pharm
14	Harpreet Singh(BS)	B pharm
15	Harpreet Singh(AS)	B pharm
16	Harsimran Kaur	B pharm
17	Jaspreet Kaur	B pharm
18	Jobenpreet Singh	B pharm
19	Kanish Gupta	B pharm
20	Karanpreet Kaur	B pharm
21	Kiranjeet Kaur	B pharm
22	kunal Pathak	B pharm
23	Laxman Pawar	B pharm
24	Madhu	B pharm
25	Mayank Sharma	B pharm
26	Mohit Goyal	B pharm
27	Navneet Kaur	B pharm

28	Navpreet Kaur	B pharm
29	Navroop Kaur	B pharm
30	Neelam	B pharm
31	Neelamjit Kaur	B pharm
32	Nitin Kumar	B pharm
33	Nitish Sharma	B pharm
34	Pawandeep Kaur	B pharm
35	Rohan Sharma	B pharm
36	Rohit Chopra	B pharm
37	Rohit Verma	B pharm
38	Saloni	B pharm
39	Satwinder Kaur	B pharm
40	Sehaz Preet Kaur	B pharm
41	Shashwat Sharma	B pharm
42	Shivansh Saharma	B pharm
43	Shreya	B pharm
44	Simranbir Singh	B pharm
45	Simranjeet Kaur	B pharm
46	Sukhpal	B pharm
47	Sunaina	B pharm
48	Tamana	B pharm
49	Tanya Sehgal	B pharm
50	Vaibhav Kalia	B pharm
51	Varinda	B pharm
52	Ashir Dalaria	B pharm
53	Harjot Singh	B pharm
54	Rishab Gupta	B pharm





CERTIFICATE OF APPRECIATION

**THIS IS TO CERTIFY THATOF.....
..... HAS SUCCESSFULLY COMPLETED CERTIFICATE
COURSE ON "TECHNIQUES IN PHARMACOLOGICAL SCREENING OF
PHARMACEUTICALS AND NUTRACEUTICALS", ORGANIZED BY**

**.....
FROM 21ST AUGUST TO 30TH OCTOBER 2021.**

**Dr Navneet Nagpal
Coordinator**

**Dr Kamaldeep Kaur
Coordinator**

**Dr R. K. Dhillon
Director-Principal**



Estd 2009

e-mail: khalsacop.asr2009@gmail.com

ਖਾਲਸਾ ਕਾਲਜ ਆਫ ਫਾਰਮੇਸੀ Khalsa College of Pharmacy

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1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2021-2022)

S NO	NAME OF PROGRAM	DURATION	No of students
1	Molecular Diagnostic Techniques	30hrs	51

Learning outcomes

Basic idea of molecular diagnostics, Extraction of nucleic acids and their quantitative analysis through spectrophotometry.

2. Polymerase Chain Reaction, Quantitative RT-PCR and its role in COVID-19 detection.

3. Essential lab techniques, Agarose gel electrophoresis and theoretical concepts of DNA sequencing.

4. Data handling and ethical norms.

ASSESMENT CRITERIA

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 85% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification
- Test will be conducted in MCQ's format

Minimum score of 70% is mandatory in post training evaluation



ASSESSMENT CRITERIA (MARKS OBTAINED IN MULTIPLE CHOICE TEST)

EACH QUESTION CARRIES TWO MARKS.

MM:20

PASSING MARKS:12

Reg.No.	Name of Student	MARKS(20 MARKS)
1929663	Abhishek Tiwari	14
1929664	Ajay kumar	13
1929665	Arshdeep	12
1929667	Dilbag Singh	15
1929668	Fahsil Ahmad Bhat	17
1929669	Gagandeep Kaur	12
1929670	Gurjant Singh	14
1929673	Hargundeep Singh	12
1929674	Harmeet Singh	10
1929675	Inderbir Singh	11
1929676	Inderjeet Singh	16
1929678	Jagroop Kaur	17
1929679	Jatin	15
1929680	Jatinder Singh	16
1929681	Jugraj singh	13
1929683	Komalpreet kaur BS	14
1929686	Lekhpal Singh	8
1929687	Malkit singh	13
1929688	Manmeet Singh	14
1929689	Manreet Kaur	15
1929690	Mehakdeep Kaur	16
1929693	Palkdeep Kaur	13
1929694	Palkpreet Kaur	14
1929695	Pawandeep Kaur HS	15
1929696	Pawandeep Kaur RS	14
1929697	Pooja kumari	15
1929698	Preeti Sharma	16
1929700	Rahul Sharma	18
1929701	Rajpreet Singh	16
1929702	Ramandeep Kaur	15
1929703	Ramandeep Kaur	15
1929704	Ritvik	13
1929705	Rupali	15
1929706	Sahib Kaur	13
1929707	Sahilpreet Singh	14
1929710	Shivani Devi	12
1929712	Sukhjit Kaur	13
1929714	Swati	14
1929716	Teena	15
1929717	Varinda Gill	14
1929719	Vishal Sharma	15
2022035	Aarushi Sharma	16
2022036	Amanjot Kaur	13
2022037	Harmandeep Kaur	13

2022038	Harpreet Kaur	16
2022039	Harvinder singh	15
2022040	Jatinder sharma	10
2022042	Navdeep Singh	12
2022043	Navtej Gill	11
2022047	Suman	14
2022048	Vandna	12



KHALSA COLLEGE OF PHARMACY AND TECHNOLOGY, AMRITSAR

Program Schedule for certificate course on “Molecular Diagnostic Techniques” starting from 4th Sept 2021. Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am to 2pm.

S No	Course Content	Date	Time Duration	Delivered By
1	Basic Ideas of Molecular Diagnostics	4 th Sept 2021	2 Hrs	Dr. Gurpreet Kaur
2	Nucleic Acids (DNA and RNA) and their extraction methods	4 th Sept 2021	3 Hrs	Dr Gurpreet Kaur
3	Spectrophotometry	11 th Sept 2021	2 Hrs	Dr Pratapbir Singh
4	Polymerase Chain Reaction	11 th Sept 2021	3 Hrs	Dr Pratapbir Singh
5	End point and quantitative RT-PCR	18 th Sept 2021	5 hrs	Mrs Juhi Kataria
6	Application of RT-PCR in molecular diagnostics including COVID-19 detection	25 th Sept 2021	3 hrs	Dr Pratapbir Singh
7	Essential lab techniques, Agarose gel electrophoresis, DNA Sequencing	25 th Sept 2021	2 hrs	Dr Pratapbir Singh
8	Data handling and ethical norms	9 th Oct 2021	5 hrs	Dr Pratapbir Singh/ Dr
9	Safety measures and precautions/ Interactive Session/Assessment	16 th Oct 2021	5 hrs	Gurpreet Kaur
10	Valedictory Session	18th Oct 2021		



**LIST OF ENROLLED STUDENTS FOR CERTIFICATE COURSE ON “MOLECULAR
DIAGNOSTIC TECHNIQUES” STARTING FROM 4TH SEPT 2021. REPORTING TIME
FOR STUDENTS WILL BE SHARP 9AM**

S.No.	Reg.No.	Name of Student
1	1929663	Abhishek Tiwari
2	1929664	Ajay kumar
3	1929665	Arshdeep
4	1929667	Dilbag Singh
5	1929668	Fahsil Ahmad Bhat
6	1929669	Gagandeep Kaur
7	1929670	Gurjant Singh
8	1929673	Hargundeep Singh
9	1929674	Harmeet Singh
10	1929675	Inderbir Singh
11	1929676	Inderjeet Singh
12	1929678	Jagroop Kaur
13	1929679	Jatin
14	1929680	Jatinder Singh
15	1929681	Jugraj singh
16	1929683	Komalpreet kaur BS
17	1929686	Lekhpal Singh
18	1929687	Malkit singh
19	1929688	Manmeet Singh
20	1929689	Manreet Kaur
21	1929690	Mehakdeep Kaur
22	1929693	Palkdeep Kaur
23	1929694	Palkpreet Kaur
24	1929695	Pawandeep Kaur HS
25	1929696	Pawandeep Kaur RS
26	1929697	Pooja kumari
27	1929698	Preeti Sharma
28	1929700	Rahul Sharma
29	1929701	Rajpreet Singh
30	1929702	Ramandeep Kaur
31	1929703	Ramandeep Kaur
32	1929704	Ritvik
33	1929705	Rupali
34	1929706	Sahib Kaur
35	1929707	Sahilpreet Singh
36	1929710	Shivani Devi
37	1929712	Sukhjot Kaur
38	1929714	Swati
39	1929716	Teena
40	1929717	Varinda Gill
41	1929719	Vishal Sharma

42	2022035	Aarushi Sharma
43	2022036	Amanjot Kaur
44	2022037	Harmandeep Kaur
45	2022038	Harpreet Kaur
46	2022039	Harvinder singh
47	2022040	Jatinder sharma
48	2022042	Navdeep Singh
49	2022043	Navtej Gill
50	2022047	Suman
51	2022048	Vandna





CERTIFICATE OF APPRECIATION

Ref No:

This is to certify that of
.....has successfully completed Certificate course on
"MOLECULAR DIAGNOSTIC TECHNIQUES", organized by Khalsa College of Pharmacy And
Technology, Amritsar from 4th September to 16th October 2021.

Dr. Pardeep Singh
Convener

Dr. Navinder Kaur
Coordinator

Dr. R.K. Dharwan
Director



Estd 2009

e-mail: khalsacop.asr2009@gmail.com

ਖਾਲਸਾ ਕਾਲਜ ਆਫ ਫਾਰਮੇਸੀ

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1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2021-2022)

S NO	NAME OF PROGRAM	DURATION	No of students enrolled
1	Advanced Techniques in Drug Discovery and Development	30hrs	54

Outcome of the Certificate Course:

On completion of the course the students will be able to:

1. Understand principles and applications of advanced techniques used in formulation development.
2. Operate Probe sonicator and reduce particle size of formulations.
3. Operate Rheometer and analyse the rheograms obtained.
4. Operate rotavapor and make formulations using it.
5. Operate Homogenisor.
6. Operate HPLC and develop method of analysis.

ASSESSMENT CRITERIA

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 85% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification
- Test will be conducted in MCQ's format

Minimum score of 70% is mandatory in post training evaluation



KHALSA COLLEGE OF PHARMACY

Schedule for Certificate course on "Advanced Techniques in Drug Discovery and Development" from
13.9.2021 to 23.9.2021 from 9:00am to 1:00pm

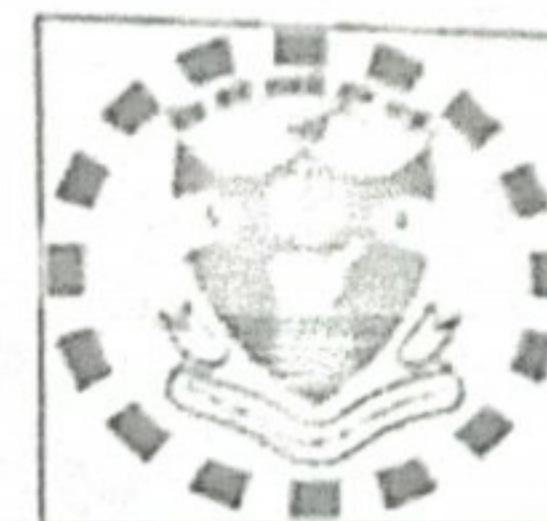
Day Number	Date	Student Group No.	Topic	Name of Faculty member
I	13.9.2021	All students	Principle and applications of Probe sonicator	Dr Jasjeet Kaur Narang
II	14.9.2021	All students	Principle and applications of Rheometer	Mrs Parminderjit Kaur
III	15.9.2021	All students	Principle and applications of Rotavapor	Mr. Nishant Kumar
IV	16.9.2021	All students	Principle and applications of Homogenisor and HPLC	Dr Varinder Soni
V	17.9.2021	I	Practical Training of Probe sonicator	Dr Jasjeet Kaur Narang
		II	Practical Training of Rheometer	Mrs Parminderjit Kaur
		III	Practical Training of Rotavapor	Mr. Nishant Kumar
		IV	Practical Training of Homogenisor and HPLC	Dr Varinder Soni
VI	20.9.2021	I	Practical Training of Rheometer	Mrs Parminderjit Kaur
		II	Practical Training of Probe sonicator	Dr Jasjeet Kaur Narang
		III	Practical Training of Homogenisor and HPLC	Dr Varinder Soni
		IV	Practical Training of Rotavapor	Mr. Nishant Kumar
VII	21.9.2021	I	Practical Training of Homogenisor and HPLC	Dr Varinder Soni
		II	Practical Training of Rotavapor	Mr. Nishant Kumar
		III	Practical Training of Probe sonicator	Dr Jasjeet Kaur Narang
		IV	Practical Training of Rheometer	Mrs Parminderjit Kaur
VIII	22.9.2021	I	Practical Training of Rotavapor	Mr. Nishant Kumar
		II	Practical Training of Homogenisor and HPLC	Dr Varinder Soni
		III	Practical Training of Rheometer	Mrs Parminderjit Kaur
		IV	Practical Training of Probe sonicator	Dr Jasjeet Kaur Narang
IX	23.9.2021	Test (12:00pm-1:00pm)		
		Valedictory Function (2:00pm-3:00pm)		



**LIST OF ENROLLED STUDENTS FOR CERTIFICATE COURSE ON
 "ADVANCED TECHNIQUES IN DRUG DISCOVERY AND DEVELOPMENT"
 FROM 13.9.2021 TO 23.9.2021 FROM 9:00AM TO 1:00PM**

S No	Name of Student	28	Navpreet Kaur
1	Akash Sharma	29	Navroop Kaur
2	Akshit Devgan	30	Neelam
3	Aman Mahajan	31	Neelamjit Kaur
4	Ankit	32	Nitin Kumar
5	Ankush Kapoor	33	Nitish Sharma
6	Arvinder Kaur	34	Pawandeep Kaur
7	Ashish Verma	35	Rohan Sharma
8	Atira U	36	Rohit Chopra
9	Bir Karan Singh	37	Rohit Verma
10	Gurpreet Kaur(K.S)	38	Saloni
11	Gurpreet Kaur(M.S)	39	Satwinder Kaur
12	Harpreet Kaur(GS)	40	Sehaz Preet Kaur
13	Harpreet Kaur(KS)	41	Shashwat Sharma
14	Harpreet Singh(BS)	42	Shivansh Saharma
15	Harpreet Singh(AS)	43	Shreya
16	Harsimran Kaur	44	Simranbir Singh
17	Jaspreet Kaur	45	Simranjeet Kaur
18	Jobenpreet Singh	46	Sukhpal
19	Kanish Gupta	47	Sunaina
20	Karanpreet Kaur	48	Tamana
21	Kiranjeet Kaur	49	Tanya Sehgal
22	kunal Pathak	50	Vaibhav Kalia
23	Laxman Pawar	51	Varinda
24	Madhu	52	Ashir Dalaria
25	Mayank Sharma	53	Harjot Singh
26	Mohit Goyal	54	Rishab Gupta
27	Navneet Kaur		





CERTIFICATE OF APPRECIATION

THIS IS TO CERTIFY THAT ...*Akash Sharma*.....OF...*B.*.....
Pharmacy 7th Semester HAS SUCCESSFULLY COMPLETED
CERTIFICATE COURSE ON "ADVANCED TECHNIQUES IN
DRUG DISCOVERY AND DEVELOPMENT", ORGANIZED BY
Khalsa College of Pharmacy, Amritsar.....

FROM 13TH SEPTEMBER TO 23RD SEPTEMBER 2021.

Dr. Varinder Soni

Convener

Dr. Jasjeet Kaur Narang

Coordinator

Dr. R.K. Dhawan
KHALSA COLLEGE OF PHARMACY
Director-Principal



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1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2021-2022)

S NO	NAME OF PROGRAM	DURATION	No of students
1	Startup Skills, Attitude & Behavior Development KCP-VAC 15	30hrs	59

Outcome of the Certificate Course:

On completion of the course the students will be able to:

1. Understand Startup's funding and growth techniques.
2. Search potential areas for startup.
3. Understand marketing techniques including digital of products marketing and social media promotion.
4. Understand government regulations including income tax considerations.

ASSESSMENT CRITERIA

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 85% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification
- Test will be conducted in MCQ's format

Minimum score of 70% is mandatory in post training evaluation



KHALSA COLLEGE OF PHARMACY

Schedule for certificate course on "Startup Skills, Attitude & Behavior Development" starting from 7th August 2021.

Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am to 2pm.

S No	Course Content	Date	Time Duration	Delivered By
1	Crucial entrepreneurship skills	7 th August	2 Hrs	Dr Navneet Nagpal
2	Importance of learning about self and others	7 th August	3 Hrs	Dr Kamaldeep Kaur
3	How to search for opportunities including persistence and honoring commitments	14 th August	2 Hrs	Dr Navneet Nagpal
	Cultivation of relationship	14 th August	3 Hrs	Dr Kamaldeep Kaur
5	Phases of EDP Entrepreneurship Management Select area from existing government policy guidelines/socio-economic reports	21 st August	3 hrs	Dr Navneet Nagpal
6	Startup's funding and growth techniques	21 st August	2 hrs	Dr Kamaldeep Kaur
7	Innovation, IPR and entrepreneur, Case studies	28 th August	5 hrs	Dr Navneet Nagpal
8	Marketing methods and techniques. •Digital marketing and social media promotion. •Income tax and compliance.	4 th September	5 hrs	Dr Kamaldeep Kaur
9	Real time problems Role play case reports analysis	11 th September	5 hrs	Dr Navneet Nagpal
10	Post Training Evaluation (Test)	13 th September	2 hrs	Dr Kamaldeep Kaur
11	Valedictory	15 th September		



LIST OF ENROLLED STUDENTS FOR CERTIFICATE COURSE ON “STARTUP SKILLS, ATTITUDE & BEHAVIOR DEVELOPMENT” STARTING FROM 7TH AUGUST 2021.

S No	Reg. No.	Name of Student
1	1912460	Abhay Chawla
2	1912461	Abhay Dhawan
3	1912462	Akashdeep Singh
4	1912463	Akshit Gill
5	1912464	Amanat Kaur
6	1912465	Amandeep Kaur
7	1912468	Ankush
8	1912469	Arshdeep Singh
9	1912470	Asees Pal Singh
10	1912471	Avneet Singh
11	1912472	Bhagwant Singh
12	1912473	Bhannu Vashista
13	1912474	Davinder Singh
14	1912475	Diya Mehra
15	1912476	Gaurav Thakur
16	1912477	Gautam
17	1912478	Gavin Gaurav Raj
18	1912479	Guddu Kumar
19	1912480	Gurmanpreet Kaur
20	1912481	Gursimran Kaur
21	1912482	Harkirat Singh
22	1912483	Harpal Singh Sachdeva
23	1912484	Jagtar Singh
24	1912485	Jashandeep Singh
25	1912486	Jasleen Kaur
26	1912488	Karanbir Singh Hundal
27	1912489	Khushleen Kaur
28	1912490	Lakshay Suri
29	1912491	Lovepreet Singh
30	1912492	Lovepreet Singh(I.S)
31	1912494	Manish Singh

32	1912495	Manpreet Singh
33	1912496	Mohammad sohrab
34	1912498	Mohit Kumar
35	1912499	Mohit Sharma
36	1912500	Muskan Bedi
37	1912502	Nikhil Wahi
38	1912503	Piyush
39	1912504	Pritpal Kaur Malhi
40	1912505	Rishab Arora
41	1912507	Ritesh Bhanot
42	1912508	Ritesh Bajaj
43	1912509	Robinpreet Kaur
44	1912510	Rohit Kumar
45	1912512	Shivam
46	1912513	Shubham Guleria
47	1912514	Simran Kaur
48	1912515	Sukhmanpreet Singh
49	1912516	Suryanshu
50	1912518	Varun Mahajan
51	1912519	Vishal
52	2015769	Gazal
53	2015771	Jasmine Kaur
54	2015772	Malika Sharma
55	2015775	Rajbir Singh
56	2015776	Samiksha Devi
57	2015777	Sandeep Kaur
58	2015778	Sandeep Kaur
59		Sarvpreet Singh





CERTIFICATE OF APPRECIATION

This is to certify thatof.....
..... has successfully completed Certificate
course on “Startup Skills, Attitude & Behavior”, organized by
.....From 7th
August to 13th September 2021.

Dr. Navneet Nagpal
Convener

Dr. Kamaldeep Kaur
Coordinator

Dr. R.K. Dhaswan
Director-Principal



Estd 2009

e-mail: khalsacop.asr2009@gmail.com

ਖਾਲਸਾ ਕਾਲਜ ਆਫ ਫਾਰਮੇਸੀ

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1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2020-2021)

S NO	NAME OF PROGRAM	DURATION
1	Role of Value Education in Sustainable Development Goals	30hrs

Outcome of the Certificate Course:

On completion of the course the students will be able to:

1. Understand and Relate corporate alignment with sustainable development goals.
2. Understand sustainable development concept of WHO.
3. Practice value education in society.
4. Understand Holistic approach to value education.

ASSESSMENT CRITERIA

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 90% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification
- Written Test will be conducted in MCQ's format
- In post training evaluation, students need to share their learnings and experiences one by one

Minimum score of 70% is mandatory in post training evaluation

Students will be evaluated on the basis of following questions in discussion hour

1. Whether student able to explain sustainable development goal
2. Whether student able to explain relationship between sustainable development and harmony
3. Holistic approach in four orders



KHALSA COLLEGE OF PHARMACY

Schedule for certificate course on “Role of Value Education in Sustainable Development Goals” starting from 23rd January 2021.

Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am onwards.

S No	Course Content	Date	Time Duration	Delivered By
1	Living well within planetary boundaries	23 rd January	2 Hrs	Dr Kamaldeep Kaur
2	International and intrageneration equity	23 rd January	3 Hrs	Mr Gurpreet Singh
3	Resilient sustainable behaviors	30 th January	2 Hrs	Dr Kamaldeep Kaur
4	Collaborations and peace management	30 th January	3 Hrs	Mr Gurpreet Singh
5	Corporate alignment with sustainable development goals	6 th February	5 hrs	Dr Kamaldeep Kaur
6	Education implications of Value Analysis	6 th February	3 hrs	Mr Gurpreet Singh
7	Practicing value education in classroom	13 th February	2 hrs	Dr Kamaldeep Kaur
8	Sustainable development concept of WHO	20 th February	5 hrs	Mr Gurpreet Singh
9	Holistic Development and real time case studies with role play	22nd February	5 hrs	
10	Multiple choice question (Test)	23 rd February	2 hrs	Dr Kamaldeep Kaur
11	Valedictory	26th February		Mr Gurpreet Singh



List of enrolled students for certificate course on “Role of Value Education in Sustainable Development Goals” starting from 23rd January 2021.

S No	Reg. No.	Name of Student
1	2015689	Aarushi Gautam
2	2015690	Abhey Sharma
3	2015691	Abhishek Sharma
4	2015692	Akashdeep Singh
5	2015693	Akash Sharma
6	2015694	Amandeep
7	2015695	Amandeep Singh
8	2015696	Amrin Kaur
9	2015697	Amritpal Singh
10	2015698	Anmoldeep Singh
11	2015699	Anmolpreet Singh
12	2015700	Arshdeep
13	2015701	Arshdeep Singh
14	2015702	Dilpreet Singh
15	2015703	Geetam Mittal
16	2015704	Gourav Sharma
17	2015705	Gurwinder Singh
18	2015706	Harmanjit Singh
19	2015707	Harmanpreet Singh
20	2015708	Harshit Luthra
21	2015709	Jagmechakdeep Singh
22	2015710	Jashanpreet Singh
23	2015711	Jaswinder Singh
24	2015712	Jatin Dutti
25	2015713	Jobanpreet Singh Sodhi
26	2015714	Kanishka
27	2015715	Kartik Vinayak
28	2015716	Kunal Gupta
29	2015717	Manav
30	2015718	Maninder Singh
31	2015719	Manmeet Singh
32	2015721	Mohit Kumar

33	2015722	Neeraj Kumar
34	2015723	Nikita
35	2015724	Nitantika
36	2015725	Parampreet Kaur
37	2015726	Parth Dheer
38	2015727	Prabhnoor Kaur
39	2015728	Priyanshu Mahajan
40	2015729	Purushottam Kumar
41	2015730	Rajveer Singh
42	2015731	Rasamrit Kaur
43	2015732	Rishi Kukreja
44	2015733	Ronit Seth
45	2015734	Sahil Sharma
46	2015735	Sakshi Mehta
47	2015736	Samridhi Dogra
48	2015737	Savneet Kaur Gill
49	2015738	Savreetpal Singh
50	2015739	Shivani
51	2015740	Shivraj Singh
52	2015741	Simranpreet Kaur
53	2015742	Tanish Dhir





CERTIFICATE OF APPRECIATION

**THIS IS TO CERTIFY THATOF.....
..... HAS SUCCESSFULLY COMPLETED
CERTIFICATE COURSE ON "ROLE OF VALUE EDUCATION IN
SUSTAINABLE DEVELOPMENT GOALS", ORGANIZED BY
.....
FROM 23RD JANUARY TO 23RD FEBRUARY 2021.**

Mr. Gurpreet Singh
Coordinator

Dr. Kamaldeep Kaur
Coordinator

Dr. B.K. Dhanwan
Director-Principal



Estd 2009

e-mail: khalsacop.asr2009@gmail.com

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1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2020-2021)

S NO	NAME OF PROGRAM	DURATION	No of students
1	Patent Drafting and Patent Filing of Inventions	30hrs	61

On completion of the course the students will be able to:

1. Understand concept and need of Intellectual Property right.
2. Understand concept of patent, its types, criteria for grant of patent and patent infringement.
3. Draft patent.
4. File patent.

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 85% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification
- Test will be conducted in MCQ's format

Minimum score of 70% is mandatory in post training evaluation

As this training will be on the basis of patent drafting, so student should be able to understand the different components of patent and also able to write the rough draft



KHALSA COLLEGE OF PHARMACY

Schedule for Certificate Course on “Patent Drafting and Patent Filing of Inventions” starting from 16th January 2021. Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am onwards.

S No	Course Content	Date	Time Duration	Delivered By
1	Origin of IPR concept and need	16 th January	2 Hrs	Dr Varinder Soni
2	Introduction to Patent and patent infringement concept	16 th January	3 Hrs	Dr Varinder Soni
3	Obligations and Rights among co-inventors, co-authors, licensees and employers	23 rd January	2 Hrs	Dr Varinder Soni
4	Requirements and limitations of patentability	23 rd January	3 Hrs	Dr Gurjeet Singh
5	Types of patents	30 th January	5 hrs	Dr Varinder Soni
6	Patent Drafting	30 th January	3 hrs	Dr Gurjeet Singh
7	Procedure to apply	6 th February	2 hrs	Dr Varinder Soni
8	How to find out research gap for novelty and industrial application	6 th February	5 hrs	Dr Gurjeet Singh
9	Training related with dummy drafting and filing of Patent	13 th February	5 hrs	
10	Post training evaluation	20 th February	2 hrs	Dr Varinder Soni
11	Valedictory	22nd February		



**LIST OF STUDENTS ENROLLED FOR CERTIFICATE COURSE ON "PATENT DRAFTING AND PATENT FILING OF INVENTIONS" STARTING FROM 16TH JANUARY 2021
B PHARMACY**

S No	Name of Student
1	Ayush Thakur
2	Harmandeep singh
3	Jasleenpal Singh
4	Khushwinder Singh
5	Aman Sharma
6	Ishra Tariq
7	Emmanual
8	Karan

BSC MLS ENROLLED LIST OF STUDENTS

S.No.	Reg.No.	Name of Student
1	1929663	Abhishek Tiwari
2	1929664	Ajay kumar
3	1929665	Arshdeep
4	1929667	Dilbag Singh
5	1929668	Fahsil Ahmad Bhat
6	1929669	Gagandeep Kaur
7	1929670	Gurjant Singh
8	1929673	Hargundeep Singh
9	1929674	Harmeet Singh
10	1929675	Inderbir Singh
11	1929676	Inderjeet Singh
12	1929678	Jagroop Kaur
13	1929679	Jatin
14	1929680	Jatinder Singh
15	1929681	Jugraj singh
16	1929683	Komalpreet kaur BS
17	1929686	Lekhpal Singh
18	1929687	Malkit singh
19	1929688	Manmeet Singh
20	1929689	Manreet Kaur
21	1929690	Mehakdeep Kaur
22	1929693	Palkdeep Kaur
23	1929694	Palkpreet Kaur
24	1929695	Pawandeep Kaur HS
25	1929696	Pawandeep Kaur RS
26	1929697	Pooja kumari
27	1929698	Preeti Sharma

28	1929700	Rahul Sharma
29	1929701	Rajpreet Singh
30	1929702	Ramandeep Kaur
31	1929703	Ramandeep Kaur
32	1929704	Ritvik
33	1929705	Rupali
34	1929706	Sahib Kaur
35	1929707	Sahilpreet Singh
36	1929710	Shivani Devi
37	1929712	Sukhjit Kaur
38	1929714	Swati
39	1929716	Teena
40	1929717	Varinda Gill
41	1929719	Vishal Sharma
42	2022035	Aarushi Sharma
43	2022036	Amanjot Kaur
44	2022037	Harmandeep Kaur
45	2022038	Harpreet Kaur
46	2022039	Harvinder singh
47	2022040	Jatinder sharma
48	2022042	Navdeep Singh
49	2022043	Navtej Gill
50	2022047	Suman
51	2022048	Vandna
52	2022049	Harmanjot Kaur
52	2022050	Kanwardeep Singh
53	2022051	Kawalpreet Kaur





CERTIFICATE OF APPRECIATION

**THIS IS TO CERTIFY THATOF.....
..... HAS SUCCESSFULLY COMPLETED
CERTIFICATE COURSE ON "PATENT DRAFTING AND PATENT
FILLING OF INVENTIONS", ORGANIZED BY.....
.....**

FROM 16TH JANUARY TO 20TH FEBRUARY 2021

**Dr. Gajjan Singh
Convener**

**Dr. Vinod Kora
Coordinator**

**Dr. R.K. Dhanraj
Director-Principal**



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1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2020-2021)

S NO	NAME OF PROGRAM	DURATION	No of students enrolled
1	Importance of Hospital Waste Management and its Disposal Tips	30hrs	54

Outcome of the Certificate Course:

On completion of the course the students will be able to:

1. Classify various hospital wastes and understand their sources.
2. Understand the Hazardous impact of hospital waste on health and environment.
3. Understand various facilities for collection of hospital wastes.
4. Apply precautions while handling hospital wastes.
5. Operate various instruments used in disposal of hospital waste.

ASSESSMENT CRITERIA

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 85% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification
- Test will be conducted in MCQ's format

Minimum score of 70% is mandatory in post training evaluation



KHALSA COLLEGE OF PHARMACY

Schedule for certificate course on "Importance of Hospital Waste Management and its Disposal Tips" starting from 16th January 2021.

Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am onwards.

S No	Course Content	Date	Time Duration	Delivered By
1	Introduction categories of waste	16 th January	2 Hrs	Mrs Juhi Walia
2	Sources of waste	16 th January	3 Hrs	Mrs Juhi Walia
3	Management techniques	23 rd January	2 Hrs	Dr Pratapbir Singh
4	Hazardous impact on health and environment	23 rd January	3 Hrs	Dr Pratapbir Singh
5	Reasons and implications	30 th January	5 hrs	Dr Pratapbir Singh
6	Waste collection facilities and their management	30 th January	3 hrs	Dr Pratapbir Singh
7	Steps and points to be taken care of while handling waste	6 th February	2 hrs	Dr Pratapbir Singh
8	Practical demonstration	6 th February	5 hrs	Dr Pratapbir Singh/ Dr Gurpreet Kaur
9	Practical demonstration	13 th February	5 hrs	
10	Multiple choice question (Test)	20 th February	2 hrs	Dr Pratapbir Singh/ Dr Gurpreet Kaur
11	Valedictory	22nd February		



LIST OF ENROLLED STUDENTS FOR CERTIFICATE COURSE ON “IMPORTANCE OF HOSPITAL WASTE MANAGEMENT AND ITS DISPOSAL TIPS” STARTING FROM 16TH JANUARY 2021.

S No	Name of Student	33	Nitish Sharma
1	Akash Sharma	34	Pawandeep Kaur
2	Akshit Devgan	35	Rohan Sharma
3	Aman Mahajan	36	Rohit Chopra
4	Ankit	37	Rohit Verma
5	Ankush Kapoor	38	Saloni
6	Arvinder Kaur	39	Satwinder Kaur
7	Ashish Verma	40	Sehaz Preet Kaur
8	Atira U	41	Shashwat Sharma
9	Bir Karan Singh	42	Shivansh Saharma
10	Gurpreet Kaur(K.S)	43	Shreya
11	Gurpreet Kaur(M.S)	44	Simranbir Singh
12	Harpreet Kaur(GS)	45	Simranjeet Kaur
13	Harpreet Kaur(KS)	46	Sukhpal
14	Harpreet Singh(BS)	47	Sunaina
15	Harpreet Singh(AS)	48	Tamana
16	Harsimran Kaur	49	Tanya Sehgal
17	Jaspreet Kaur	50	Vaibhav Kalia
18	Jobenpreet Singh	51	Varinda
19	Kanish Gupta	52	Ashir Dalaria
20	Karanpreet Kaur	53	Harjot Singh
21	Kiranjeet Kaur	54	Rishab Gupta
22	kunal Pathak	31	Neelam
23	Laxman Pawar	32	Neelamjit Kaur
24	Madhu		
25	Mayank Sharma		
26	Mohit Goyal		
27	Navneet Kaur		
28	Navpreet Kaur		



CERTIFICATE OF APPRECIATION

**THIS IS TO CERTIFY THATOF.....
..... HAS SUCCESSFULLY COMPLETED
CERTIFICATE COURSE ON "IMPORTANCE OF HOSPITAL
WASTE MANAGEMENT AND ITS DISPOSAL TIPS",
ORGANIZED BY.....
.....FROM 16TH JANUARY
TO 20TH FEBRUARY 2021.**

Dr. Geeta Kant
Convener

Dr. Pratap Singh
Coordinator

Dr. R.K. Dhasan
Director-Principal



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1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2020-2021)

S NO	NAME OF PROGRAM	DURATION	No of students
1	Life Saving Skills in Emergency Medical Situations	30hrs	8

Outcome of the Certificate Course:

On completion of the course the students will be able to:

1. Understand the importance of learning life saving skills.
2. Understand the role of pharmacist in acquiring saving life saving skills.
3. Understand the theoretical concept of CPR.
4. Manage bleeding and heart attack.

Provide treatment in emergency situations like snake bite, fire, accident etc

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 75% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification
- Written Test will be conducted in MCQ's format

Students will be evaluated on daily basis as well as on the last day by multiple choice question paper.

Performa of evaluation: grading system (0,1 & -1) categorized as able to explain, average and not able to explain



Name of student	Knowledge on CPR	Knowledge on accidental conditions	Knowledge on snake bite or other medical situations
Ayush Thakur	1	1	1
Harmandeep singh	0	0	1
Jasleenpal Singh	-1	0	0
Khushwinder Singh	1	1	1
Aman Sharma	1	1	1
Ishra Tariq	1	1	1
Emmanual	1	1	1
Karan	0	1	0



KHALSA COLLEGE OF PHARMACY

Schedule for certificate course on "Life Saving Skills in Emergency Medical Situation" starting from 29th August 2020.

Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am.

S No	Course Content	Date	Time Duration	Delivered By
1	Introduction	29 th August	2 Hrs	Mrs Kamaldeep Kaur
2	Importance of life saving skill	5 th September	3 Hrs	Ms Parminderjit Kaur
3	CPR theoretical concept	12 th September	2 Hrs	Mrs Kamaldeep Kaur
4	Practical demonstration	19 th September	3 Hrs	Ms Parminderjit Kaur
5	Managing bleeding/heart attack	26 th September	5 hrs	Mrs Kamaldeep Kaur
6	First aid kit and its usage	3 rd October	3 hrs	Ms Parminderjit Kaur
7	Emergency medicines like snake bite/fire	17 th October	2 hrs	Mrs Kamaldeep Kaur
8	Emergency conditions swimming/accident	24 th October	5 hrs	Ms Parminderjit Kaur
9	Role of pharmacist(overview)	31 st October	5 hrs	
10	Post Training Evaluation (Test)	5 th November	2 hrs	Mrs Kamaldeep Kaur
11	Valedictory			



LIST OF STUDENTS ENROLLED FOR CERTIFICATE COURSE ON "LIFE SAVING SKILLS IN EMERGENCY MEDICAL SITUATION" STARTING FROM 29TH AUGUST 2020

S No	Name of Student
1	Ayush Thakur
2	Harmandeep singh
3	Jasleenpal Singh
4	Khushwinder Singh
5	Aman Sharma
6	Ishra Tariq
7	Emmanual
8	Karan





CERTIFICATE OF APPRECIATION

**THIS IS TO CERTIFY THATOF.....
..... HAS SUCCESSFULLY COMPLETED
CERTIFICATE COURSE ON "LIFE SAVING SKILLS IN EMERGENCY
MEDICAL SITUATION", ORGANIZED BY.....
.....FROM 29TH AUGUST TO 5TH
NOVEMBER 2020.**

Dr. Kamaldeep Kaur
Coordinator

Dr. Parvinderjit Kaur
Coordinator

Dr. B. K. Dhillon
Director-Principal



Estd 2009

e-mail: khalsacop.asr2009@gmail.com

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1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2020-2021)

S NO	NAME OF PROGRAM	DURATION	No of students
1	Clinical Nutrition and Public Health	30hrs	63

ASSESSMENT CRITERIA

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 85% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification
- Test will be conducted in MCQ's format

Minimum score of 70% is mandatory in post training evaluation

The Course outcomes will be

1. Understanding the Concept and meaning of health and factors affecting health, Dietary Standards, Balanced Diet, Food Groups, Food Pyramid.
2. Food as a source of nutrients, classification, functions, recommended dietary allowances, BMR, Vitamins, major and minor elements. Food Composition and nutritive values of different foods, balanced diet.
3. Nutrition during infancy, childhood, adolescence and adult, Nutrition in pregnancy and lactation. Nutrition and infection, nutrition and immunity, nutrition and stress.
4. Methods of Assessment: Direct and Indirect methods of nutritional assessment of human groups, Techniques for assessment of age and use of reference standards for nutritional status. Government Nutrition Programmes.
5. Malnutrition, Body systems and common diseases, Sedentary lifestyle and its risk of disease, Healthy foods for prevention of metabolic and cardiovascular diseases. Substance abuse, Role of yoga and sleep in maintenance of mental health



KHALSA COLLEGE OF PHARMACY AND TECHNOLOGY, AMRITSAR

Program Schedule for certificate course on “**Clinical Nutrition and Public Health**” starting from 5th Sept 2020. Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am to 2pm.

S No	Course Content	Date	Time Duration	Delivered By
1	Introductory Session Explanation of terms-Definition, Concept and meaning of health and factors affecting health, Dietary Standards, Balanced Diet, Food Groups, Food Pyramid	5 th Sept 2020	2 Hrs	Dr Charanjeet Kaur Mangat
2	Food as a source of nutrients, classification, functions, recommended dietary allowances, BMR, Vitamins, major and minor elements	5 th Sept 2020	3 Hrs	Dr Gurpreet Kaur
3	Food Composition and nutritive values of different foods, balanced diet	12 th Sept 2020	2 Hrs	Dr Pratapbir Singh
4	Nutrition during infancy, childhood, adolescence and adult, Nutrition in pregnancy and lactation	12 th Sept 2020	3 Hrs	Dr Pratapbir Singh
5	Nutrition and infection, nutrition and immunity, nutrition and stress	19 th Sept 2020	5 hrs	Dr Pratapbir singh
6	Methods of Assessment: Direct and Indirect methods of nutritional assessment of human groups, Techniques for assessment of age and use of reference standards for nutritional status	26 th Sept 2020	3 hrs	Dr Pratapbir Singh
7	Government Nutrition Programmes	26 th Sept 2020	2 hrs	Dr Pratapbir Singh
8	Malnutrition, Body systems and common diseases, Sedentary lifestyle and its risk of disease, Healthy foods for prevention of metabolic and cardiovascular diseases. Substance abuse, Role of yoga and sleep in maintenance of mental health	3 rd Oct 2020	5 hrs	Dr Pratapbir Singh/ Dr Gurpreet Kaur
9	Interactive Session/Assessment	10 th Oct 2020	5 hrs	
10	Valedictory Session	12th Oct 2020		



LIST OF ENROLLED STUDENTS FOR CERTIFICATE COURSE ON "CLINICAL NUTRITION AND PUBLIC HEALTH" STARTING FROM 5TH SEPT 2020

S.No.	Reg.No.	Name of Student
1	1830929	Aman Kumar
2	1830931	Anchal
3	1830933	Arpreet Kaur
4	1830935	Diljot Singh
5	1830936	Gagandeep
6	1830937	Gagandeep Kaur
7	1830938	Geetanjali Mehra
8	1830939	Gomti
9	1830940	Hardeep Singh
10	1830942	Jasmeen Kaur
11	1830943	Kajal Sharma
12	1830944	Karanbir S Waraich
13	1830945	Kirandeep Kaur
14	1830946	Mandeep Kaur
15	1830948	Manraj Singh
16	1830949	Megha
17	1830950	Mohit Sehgal
18	1830951	Muskan Gupta
19	1830953	Nikita
20	1830954	Palakpreet Kaur
21	1830956	Poonamdeep Kaur
22	1830957	Prabhdeep Kaur
23	1830958	Prabhjeet Kaur
24	1830959	Prabhjot Kaur
25	1830960	Primaljit Kaur
26	1830961	Priya
27	1830962	Rahul
28	1830963	Rakashdeep Kaur
29	1830965	Ravinder Singh
30	1830966	Sandeep Kaur
31	1830967	Sandeep Singh
32	1830969	Simranjeet Kaur
33	1830970	Simranjit Kaur
34	1830971	Sonali
35	1830975	Taranpreet Singh
36	1830976	Vishaldeep Singh
37	1929720	Anjali Sharma
38	1929721	Anshul
39	1929722	Arundeep Singh
40	1929723	Arya Manan
41	1929724	Bhupinder Kaur
42	1929725	Gouravjit Kaur
43	1929726	Gurpreet Singh
44	1929727	Harjot Singh

45	1929728	Harkaranpreet Singh
46	1929729	Harmandeep Singh
47	1929730	Harpreet Kaur
48	1929731	Harpreet Singh
49	1929732	Jasmeen Kaur
50	1929733	KM Amrita Singh
51	1929734	KM Manpreet Kaur
52	1929735	Lovepreet Singh
52	1929736	Mandeep Kaur
53	1929737	Muskan
54	1929738	Navneet Kaur
55	1929739	Parul
56	1929740	Pawandeep Kaur
57	1929741	Prerna
58	1929742	Priyanka Devi
59	1929743	Rabia Nayyar
60	1929744	Rajwinder Kaur
61	1929745	Shaba Jahan
62	1929746	Sunita
63	1929747	Vishaljeet Singh





Ref No:

CERTIFICATE OF APPRECIATION

THIS IS TO CERTIFY THAT *...Kirandeep.....Kaur.....*
OF *B.Sc. MLS.....* HAS SUCCESSFULLY COMPLETED
CERTIFICATE COURSE ON "CLINICAL NUTRITION AND PUBLIC
HEALTH", ORGANIZED BY DEPARTMENT OF MEDICAL LAB SCIENCES,
KHALSA COLLEGE OF PHARMACY AND TECHNOLOGY, AMRITSAR FROM 5TH
SEPTEMBER TO 10TH OCTOBER, 2020.

Dr. Gurpreet Kaur Gill

Convener

Dr. Narinder Kaur

Coordinator

Dr. R.K. Dhawan

Director



Estd 2009

e-mail: khalsacop.asr2009@gmail.com

ਖਾਲਸਾ ਕਾਲਜ ਆਫ ਫਾਰਮੇਸੀ Khalsa College of Pharmacy

Ph: 0183-2450215

G.T. Road, Amritsar 143002

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Approved by AICTE, PCI, New Delhi & Punjab Govt. Affiliated to PTU, Kapurthala, PSBTE & IT, Chandigarh

1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2020-2021)

S NO	NAME OF PROGRAM	DURATION	No of students
1	Hands on Training on Dissolution Testing and Estimation of Dissolution Parameters	30hrs	8

On completion of the course the students will be able to:

1. Classify different Instruments used for dissolution testing as per IP and BP and differentiate them.
2. Operate Dissolution apparatus.
3. Calculate Dissolution parameters and interpret the results.
4. Calculate Release kinetics and interpret the results.

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 75% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification
- Test will be conducted in MCQ's format

Minimum score of 70% is mandatory in post training evaluation



KHALSA COLLEGE OF PHARMACY

Schedule for Certificate course on "Hands on Training on Dissolution Testing and Estimation of Dissolution Parameters" from 17.8.2020 to 27.8.2020.

Day Number	Date	Time	Topic	Name of Faculty member
I	17.8.2020	1:00pm-5:00pm	Introduction into the concept of Dissolution and Theories of Dissolution	Dr Jasjeet Kaur Narang
II	18.8.2020	1:00pm-5:00pm	Different Instruments used for dissolution testing as per IP and BP and difference	Dr Varinder Soni
III	19.8.2020	1:00pm-5:00pm	Different dissolution apparatus as per USP and their potential applications in evaluation of different formulations	Dr. Navneet Nagpal
IV	20.8.2020	1:00pm-5:00pm	Dissolution parameters and Kinetic models-Theoretical concepts	Mrs Parminderjit
V	21.8.2020	1:00pm-5:00pm	Hands on training on calculation of dissolution efficiency and interpretation of results	Dr Jasjeet Kaur Narang
VI	24.8.2020	1:00pm-5:00pm	Hands on training on calculation of similarity factor and interpretation of results	Dr Varinder Soni
VII	25.8.2020	1:00pm-5:00pm	Hands on training on calculation of dissimilarity factor and interpretation of results	Dr Navneet Nagpal
VIII	26.8.2020	1:00pm-5:00pm	Hands on training on calculation of release kinetics with interpretation of results	Mrs Parminderjit Kaur
IX	27.8.2020	2:00pm-5:00pm	Test (2:00pm -3:00pm)	



LIST OF ENROLLED STUDENTS FOR CERTIFICATE COURSE ON “HANDS ON TRAINING ON DISSOLUTION TESTING AND ESTIMATION OF DISSOLUTION PARAMETERS” FROM 17.8.2020 TO 27.8.2020

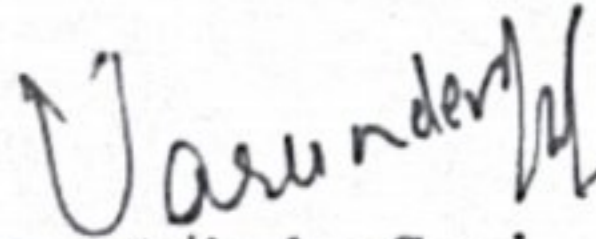
S No	Name of Student
1	Ayush Thakur
2	Harmandeep singh
3	Jasleenpal Singh
4	Khushwinder Singh
5	Aman Sharma
6	Ishra Tariq
7	Emmanual
8	Karan




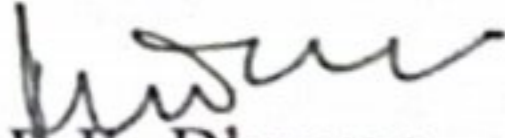


CERTIFICATE OF APPRECIATION

THIS IS TO CERTIFY THAT ..AYUSH THAKUR.....OF B.....
...PHARMACY, SEMESTER VII..... HAS SUCCESSFULLY COMPLETED
CERTIFICATE COURSE ON "HANDS ON TRAINING ON DISSOLUTION
TESTING AND ESTIMATION OF DISSOLUTION PARAMETERS",
ORGANIZED BY.....KHALSA.....COLLEGE OF PHARMACY, AMRITSAR.....
FROM 17TH AUGUST TO 27RD AUGUST 2020.


Dr Vafinder Soni
Convener


Dr. Jasjeet Kaur Narang
Coordinator


Dr. R.K. Dhawan
Director-Principal
KHALSA COLLEGE OF PHARMACY
AMRITSAR



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1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2019-2020)

S NO	NAME OF PROGRAM	DURATION	No of students
1	Hazardous Impact on Environment & Management of Biomedical Plastic Waste	30hrs	8

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 75% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification
- Written Test will be conducted in MCQ's format

Outcome of the Certificate Course:

On completion of the course the students will be able to:

1. Understand importance of managing biomedical plastic waste and its impact on environment.
2. Understand methods for reducing plastic usage.
3. Learn precautions to be taken for handling of instruments for biomedical plastic waste management.
4. Operate various instruments used in disposal of biomedical plastic waste.



KHALSA COLLEGE OF PHARMACY

Schedule for certificate course on "Hazardous Impact on Environment & Management of Biomedical Plastic Waste" starting from 18th January 2020.

Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am onwards.

S No	Course Content	Date	Time Duration	Delivered By
1	Introductory Session	18 th January	2 Hrs	Mrs Juhi Walia
2	Classification of BMW	18 th January	3 Hrs	Mrs Juhi Walia
3	Management of Biomedical waste	25 th January	2 Hrs	Dr Pratapbir Singh
4	Different techniques like Autoclave, Incineration detailed informatory session	25 th January	3 Hrs	Dr Pratapbir Singh
5	Safety measures to dealing person with practical demonstration of devices(online)	1 st February	5 hrs	Dr Pratapbir Singh
6	Hazardous impact of plastic on environment	1 st February	3 hrs	Dr Pratapbir Singh
7	How to reduce the load of plastic usage	8 th February	2 hrs	Dr Pratapbir Singh
8	Real time case studies	8 th February	5 hrs	Dr Pratapbir Singh/ Dr Gurpreet Kaur
9	Real time case studies	15 th February	5 hrs	Dr Pratapbir Singh/ Dr Gurpreet Kaur
10	Multiple choice question (Test)	22 nd February	2 hrs	Dr Pratapbir Singh/ Dr Gurpreet Kaur
11	Valedictory	24th February		



**LIST OF STUDENTS ENROLLED FOR CERTIFICATE COURSE ON “HAZARDOUS
IMPACT ON ENVIRONMENT & MANAGEMENT OF BIOMEDICAL PLASTIC
WASTE” STARTING FROM 18TH JANUARY 2020**

S No	Name of Student
1	Ayush Thakur
2	Harmandeep singh
3	Jasleenpal Singh
4	Khushwinder Singh
5	Aman Sharma
6	Ishra Tariq
7	Emmanual
8	Karan





CERTIFICATE OF APPRECIATION

**THIS IS TO CERTIFY THATOF.....
..... HAS SUCCESSFULLY COMPLETED
CERTIFICATE COURSE ON "HAZARDOUS IMPACT ON ENVIRONMENT &
MANAGEMENT OF BIOMEDICAL PLASTIC WASTE", ORGANIZED BY
.....
FROM 18TH JANUARY TO 22TH FEBRUARY 2020.**

**Mrs Jahn Waha
Convener**

**Dr. Garpreet Kaur
Coordinator**

**Dr. R.K. Dhawan
Director-Principal**



Estd 2009

e-mail: khalsacop.asr2009@gmail.com

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1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2019-2020)

S NO	NAME OF PROGRAM	DURATION	No of students
1	Skill Requirements to Write the Research Grant Proposal	30hrs	133

Outcome of the Certificate Course:

On completion of the course the students will be able to:

1. Gain knowledge about different Government agencies which provide research grants.
2. Conduct literature review and select topic for writing a research grant proposal.
3. Understand how to estimate Budget in a research project.
4. Write a research grant proposal.

ASSESSMENT CRITERIA

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 75% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification
- Test will be conducted in MCQ's format

Minimum score of 70% is mandatory in post training evaluation

Each student must submit the rough draft of any research grant organization and also mention name of three grant commissions along with address details



Council of Scientific and Industrial Research
Anusandhan Bhawan, 2 Rafi Ahmed Kidwai Marg,
New Delhi – 110001

Phone Reception: +91-11-23737889

Dr. Shekhar C. Mande,

Director General, CSIR and Secretary DSIR Email:

dg@csir.res.in, dgcsir@csir.res.in

Defence Research and Development Organisation (DRDO) Office
Address: DRDO Bhawan, Rajaji Marg, New Delhi-110011

<https://www.drdo.gov.in/contact-us>

Indian Council of Medical Research

V. Ramalingaswami Bhawan, P.O. Box No. 4911

Ansari Nagar, New Delhi - 110029, India

Ph: 91-11-26588895 / 91-11-26588980

Fax: 91-11-26588662

Email: [icmrhqds\[at\]sansad\[dot\]nic\[dot\]in](mailto:icmrhqds[at]sansad[dot]nic[dot]in)

UGC

University Grants Commission (UGC) Bahadur
Shah Zafar Marg,
New Delhi - 110002.

011-23604446, 011-23604200

contact.ugc@nic.in

SUBMITTED BY

Name : Sachleen Kaur

Khalsa college of pharmacy





**UNIVERSITY GRANTS COMMISSION FORMAT FOR
SUBMISSION OF PROPOSAL FOR**

RESEARCH PROJECT

Part-A

1. Broad Subject: Pharmaceutics
2. Area of Specialization: Formulation Development, Intellectual Property Rights
3. Duration: 4 Years
5. Name of the Institution where the project will be undertaken:
 - (a) Department: Department of pharmaceutical sciences
 - (b) College: Khalsa college of pharmacy
 - (c) Affiliating University: Punjab technical university
 - (d) Whether the institute is located in rural/backward area: No
6. Whether the College is approved under Section 2 (f) and 12 B of the UGC Act?

Yes/No : Yes

Proposed Research Work

8 (i) Project Title

Development and Optimization of Ternary System to Enhance Aqueous Solubility of Rifaximin by using Cyclodextrins and Bile Salts

(ii) Introduction



(V)

Year-wise Plan of work and targets to be achieve.

Year	Plan of work and targets to be achieved
1 st year	Review of literature and optimization of methods for the development of ternary system include rifaximin, bile salts and cyclodextrins.
2 nd year	Development and characterization of ternary system.
3rd yr	Evaluation of the reproducibility of developed method for ternary system and formulation development of optimized ternary system.
4th yr	Compilation of results and patent filling/communication of publication



KHALSA COLLEGE OF PHARMACY

Schedule for Certificate Course on “Skill Requirements to Write the Research Grant Proposal” starting from 18th January 2020. Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am onwards.

S No	Course Content	Date	Time Duration	Delivered By
1	Introduction to Grants (classification)	18 th January	2 Hrs	Dr Varinder Soni
2	Various grant authorities	18 th January	3 Hrs	Dr Varinder Soni
3	Review of literature	25 th January	2 Hrs	Dr Varinder Soni
4	Steps need to be taken care while applying proposal	25 th January	3 Hrs	Dr Gurjeet Singh
5	Identification of grant according to concept and applicant	1 st February	5 hrs	Dr Varinder Soni
6	Approval and rejection protocol	1 st February	3 hrs	Dr Gurjeet Singh
7	Overview of writing proposal	8 th February	2 hrs	Dr Varinder Soni
8	Training on writing proposal	8 th February	5 hrs	Dr Gurjeet Singh
9	Training on writing proposal	15 th February	5 hrs	Dr Gurjeet Singh
10	Post training evaluation	22 nd February	2 hrs	Dr Varinder Soni
11	Valedictory	24th February		



LIST OF ENROLLED STUDENTS FOR CERTIFICATE COURSE ON “SKILL REQUIREMENTS TO WRITE THE RESEARCH GRANT PROPOSAL” STARTING FROM 18TH JANUARY 2020.

S No	Name of Student
1	AAKRITI SURI
2	AAVLEEN ARORA
3	ABHISHEK BISWAL
4	ABINASH CHANDRA
5	ADARSHPREET SINGH
6	ADITYA THAKUR
7	AMAN BHATIA
8	AMIT
9	ANKITA SHARMA
10	ANMOL SHARMA
11	ARASHPREET SINGH
12	ARUN ANTHONY
13	AWALJOT SINGH
14	GURPREET KAUR
15	GURPREET KAUR
16	GURSHARAN SINGH
17	HANUM SHARMA
18	HARMAN DHILLON
19	HARPARTIK SINGH
20	HARSIMRAN KAUR SANGHA
21	JACOB SAHOTRA
22	JARMANJIT SINGH
23	JASPREET SINGH
24	JATINDERBIR SINGH
25	JOBANPREET KAUR
26	KAJAL SAMBYAL
27	KARAN SHARMA
28	KARANBIR SINGH DHANJU

29	KARTAR SINGH
30	KIRANJEET KAUR
31	KUNWARPAL SINGH
32	LOVEPREET SINGH
33	LOVISH KUMAR
34	MADHAV KAPOOR
35	MANJEET KAUR
36	MANJEET SINGH
37	MANJOT SINGH
38	MANMEET SINGH
39	MANPREET KAUR
40	MANPREET SINGH
41	MUKUL KUMAR CHATURVEDI
42	MUSKAN
43	NAVJOT KAUR
44	NAVNEET KAUR
45	PEEYUSH SHARMA
46	PUNEET SHARMA
47	PUNEET SHARMA
48	PUNEET SINGH JOSAN
49	RAJESH KUMAR
50	RAVI NANDAN SHARMA
51	RAYAM GUPTA
52	SACHLEEN KAUR
53	SANHA PUNJ
54	SATINDERJIT SINGH
55	SHIVAM SAMRA
56	SIMRAN KAUR
57	SIMRAT DHILLON
58	SOFIA SHARMA
59	SUKHDEEP SINGH

60	SUKHWINDER KAUR
61	SUNMEET SINGH
62	TARUN KUMAR
63	TAVLEEN KAUR

S.No.	Reg.No.	Name of Student
1	1830929	Aman Kumar
2	1830931	Anchal
3	1830933	Arpreet Kaur
4	1830935	Diljot Singh
5	1830936	Gagandeep
6	1830937	Gagandeep Kaur
7	1830938	Geetanjali Mehra
8	1830939	Gomti
9	1830940	Hardeep Singh
10	1830942	Jasmeen Kaur
11	1830943	Kajal Sharma
12	1830944	Karanbir S Waraich
13	1830945	Kirandeep Kaur
14	1830946	Mandeep Kaur
15	1830948	Manraj Singh
16	1830949	Megha
17	1830950	Mohit Sehgal
18	1830951	Muskan Gupta
19	1830953	Nikita
20	1830954	Palakpreet Kaur
21	1830956	Poonamdeep Kaur
22	1830957	Prabhdeep Kaur
23	1830958	Prabhjeet Kaur
24	1830959	Prabhjot Kaur
25	1830960	Primaljit Kaur
26	1830961	Priya
27	1830962	Rahul
28	1830963	Rakashdeep Kaur
29	1830965	Ravinder Singh
30	1830966	Sandeep Kaur
31	1830967	Sandeep Singh
32	1830969	Simranjeet Kaur
33	1830970	Simranjit Kaur
34	1830971	Sonali
35	1830975	Taranpreet Singh
36	1830976	Vishaldeep Singh
37	1929720	Anjali Sharma

38	1929721	Anshul
39	1929722	Arundeep Singh
40	1929723	Arya Manan
41	1929724	Bhupinder Kaur
42	1929725	Gouravjit Kaur
43	1929726	Gurpreet Singh
44	1929727	Harjot Singh
45	1929728	Harkaranpreet Singh
46	1929729	Harmandeep Singh
47	1929730	Harpreet Kaur
48	1929731	Harpreet Singh
49	1929732	Jasmeen Kaur
50	1929733	KM Amrita Singh
51	1929734	KM Manpreet Kaur
52	1929735	Lovepreet Singh
53	1929736	Mandeep Kaur
54	1929737	Muskan
55	1929738	Navneet Kaur
56	1929739	Parul
57	1929740	Pawandeep Kaur
58	1929741	Prerna
59	1929742	Priyanka Devi
60	1929743	Rabia Nayyar
61	1929744	Rajwinder Kaur
62	1929745	Shaba Jahan
63	1929746	Sunita
64	1929747	Vishaljeet Singh
65	1929748	Ankita
66	1929749	Jasprit
67	1929750	Komalpreet
68	1929751	Pawandeep
69	1929752	Navneet
70	1929753	Sonali





CERTIFICATE OF APPRECIATION

**THIS IS TO CERTIFY THATOF.....
..... HAS SUCCESSFULLY COMPLETED
CERTIFICATE COURSE ON "SKILL REQUIREMENTS TO
WRITE THE REASEARCH GRANT PROPOSAL", ORGANIZED
BY
FROM 18TH JANUARY TO 22ND FEBRUARY 2020.**

Dr. Gurjeet Singh
Coordinator

Dr. Vinod Kumar
Coordinator

Dr. B.K. Dhillon
Director-Principal



Estd 2009

e-mail: khalsacop.asr2009@gmail.com

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1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2019-2020)

S NO	NAME OF PROGRAM	DURATION	No of students
1	Hands on training on Instruments used in Clinical Diagnostics	30hrs	42

Learning outcomes

1. Understanding the role of automation and point of care testing in clinical diagnostics
2. Hands on training on auto analyzers for biochemistry analysis : Semi-autoanalyzers, fully autoanalyzers, ELISA, CLIA
3. Hands on training on instruments used in microbiological experiments : Laminar Air Flow, BOD Incubator, Colony Counter, Autoclave.
4. Demonstration of histological Procedures, Tissue Processor, Tissue Floatation Bath, Wax Baths and Moulds/Cassettes, Microtome
5. Haematological Procedures : Demonstration of CBC Counter, Coagulometer, Afinion for HbA1C, CRP and albumin

ASSESSMENT CRITERIA

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 75% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification
- Test will be conducted in MCQ's format

Minimum score of 70% is mandatory in post training evaluation



KHALSA COLLEGE OF PHARMACY AND TECHNOLOGY, AMRITSAR

Program Schedule for certificate course on "Hands on Training on Instruments used in Clinical Diagnostics" starting from 7th Sept 2019. Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am to 2pm.

S No	Course Content	Date	Time Duration	Delivered By
1	Introductory Session Basics and Advances in Clinical Diagnostics	7 th Sept 2019	2 Hrs	Mrs Juhi Kataria
2	Role of automation and Point of Care Testing in Diagnostics	7 th Sept 2019	3 Hrs	Mrs Juhi Kataria
3	Routine Biochemistry Analysis : Demonstration of Autoanalyzers, Electrolyte Analyzer.	14 th Sept 2019	2 Hrs	Dr Gurpreet Kaur
4	Demonstration of ELISA and CLIA	14 th Sept	3 Hrs	Dr Gurpreet Kaur
5	Microscopic Analysis and Demonstration of Laminar Air Flow, BOD Incubator, Colony Counter, Microscope, Autoclave	21 Sept	5 hrs	Dr Pratapbir Singh
6	Histological Analysis : Demonstration of Tissue Processor, Tissue Floatation Bath, Wax Baths and Moulds/Cassettes, Microtome	28 th Sept	3 hrs	Mr Stalinjit Singh
7	Haematological Procedures : Demonstration of CBC Counter, Coagulometer, Afinion for HbA1C, CRP and albumin	28 th Sept	2 hrs	Mrs Juhi Kataria
8	Hands on training	5 th Oct	5 hrs	Dr Pratapbir Singh/ Dr Gurpreet Kaur
9	Hands on training	12 th Oct	5 hrs	
10	Multiple choice question (Test)	14 th Oct	2 hrs	Dr Pratapbir Singh/ Dr Gurpreet Kaur
11	Valedictory	14th Oct		



LIST OF ENROLLED STUDENTS FOR CERTIFICATE COURSE ON “HANDS ON TRAINING ON INSTRUMENTS USED IN CLINICAL DIAGNOSTICS’ STARTING FROM 7TH SEPT 2019

S.No.	Reg.No.	Name of Student
1	1730733	Aanchal
2	1730734	Harmanjot Kaur
3	1730735	Harpal Singh
4	1730736	Joban Singh
5	1730737	Kanwardeep Singh
6	1730738	Kanwalpreet Kaur
7	1730740	Navdeep Kaur
8	1730741	Navjot Kaur
9	1730742	Navjot Singh
10	1730743	Palwinder Singh
11	1730744	Robin Singh
12	1730745	Sandeep Singh
13	1730746	Satinder Kaur
14	1730747	Shubhampreet Singh
15	1730748	Sukhmanpreet Kaur
16	1730749	Tania
17	1830988	Amarjit Singh
18	1830989	Arshpreet Kaur
19	1830990	Gagandeep Kaur
20	1830991	Gundeep Kaur
21	1830992	Gurlajdeep Kaur
22	1830993	Harpreet Singh
23	1830994	Jagroop Kaur
24	1830995	Kanwaljit Kaur
25	1830997	Kiranjot Kaur
26	1830998	Mandeep Kaur
27	1831001	Manpreet Kaur/AS
28	1830999	Maniraj Deygun
29	1830999	Manjit Kaur
30	1831003	Neha Rana
31	1831004	Nitish
32	1831005	Parminder Kaur
33	1831006	Pooja
34	1831007	Ramandeep Kaur
35	1831008	Rekha
36	1831009	Sakshi
37	1831010	Sandeep Singh
38	1831012	Shivani Bassi

39	1831013	Simranjit Kaur
40	1831014	Varinderjit Kaur
41	1831015	Vishaljeet Singh
42	1632497	Manpreet Kaur





2021



CERTIFICATE OF APPRECIATION

This is to certify that of
..... has successfully completed Certificate course on
"MOLECULAR DIAGNOSTIC TECHNIQUES", organized by Khales College of Pharmacy And
Technology, Amritsar from 4th September to 16th October 2021.

Dr. Pardeep Singh
Convener

Dr. Navinder Kaur
Coordinator

Dr. R.K. Dhanraj
Director



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1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2019-2020)

S NO	NAME OF PROGRAM	DURATION	No of enrolled students
1	Hands on Training on Conventional Dosage Form Design	30hrs	62

Outcome of the Certificate Course:

On completion of the course the students will be able to:

1. Understand the theoretical concepts and applications of equipment's used in conventional dosage form design (Sifter, Mass mixer, Capsule Filling Machine and Fluidised Bed Dryer).
2. Operate Sifter and related calculations.
3. Operate Mass mixer.
4. Operate Capsule Filling Machine and calculate minim gram factor.

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 75% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification
- Test will be conducted in MCQ's format

Minimum score of 70% is mandatory in post training evaluation



KHALSA COLLEGE OF PHARMACY

Schedule for Certificate course on "Hands on Training on Conventional Dosage Form Design" from 22.7.2019 to 01.8.2019 from 1:00pm to 5:00pm.

Day Number	Date	Student Group No.	Topic	Name of Faculty member
I	22.7.2019	I	Basics of Sifter-Theoretical concepts	Dr Jasjeet Kaur Narang
		II	Basics of Mass Mixer-Theoretical concepts	Dr Navneet Nagpal
		III	Basics of Capsule Filling Machine-Theoretical concepts	Mr Anmol Dogra
		IV	Basics of Fluidised Bed Dryer-Theoretical concepts	Dr Varinder Soni
II	23.7.2019	I	Basics of Fluidised Bed Dryer-Theoretical concepts	Dr Varinder Soni
		II	Basics of Capsule Filling Machine-Theoretical concepts	Mr Anmol Dogra
		III	Basics of Mass Mixer-Theoretical concepts	Dr Navneet Nagpal
		IV	Basics of Sifter-Theoretical concepts	Dr Jasjeet Kaur Narang
III	24.7.2019	I	Basics of Capsule Filling Machine-Theoretical concepts	Mr Anmol Dogra
		II	Basics of Fluidised Bed Dryer-Theoretical concepts	Dr Varinder Soni
		III	Basics of Sifter-Theoretical concepts	Dr Jasjeet Kaur Narang
		IV	Basics of Mass Mixer-Theoretical concepts	Dr Navneet Nagpal
IV	25.7.2019	I	Basics of Mass Mixer-Theoretical concepts	Dr Navneet Nagpal
		II	Basics of Sifter-Theoretical concepts	Dr Jasjeet Kaur Narang
		III	Basics of Fluidised Bed Dryer-Theoretical concepts	Dr Varinder Soni
		IV	Basics of Capsule Filling Machine-Theoretical concepts	Mr Anmol Dogra
V	26.7.2019	I	Practical Training of Sifter	Dr Jasjeet Kaur Narang
		II	Practical Training of Mass Mixer	Dr Navneet Nagpal
		III	Practical Training of Capsule Filling Machine	Mr Anmol Dogra
		IV	Practical Training of Fluidised Bed Dryer	Dr Varinder Soni
VI	29.7.2019	I	Practical Training of Fluidised Bed Dryer	Dr Varinder Soni
		II	Practical Training of Capsule Filling Machine	Mr Anmol Dogra
		III	Practical Training of Mass Mixer	Dr Navneet Nagpal
		IV	Practical Training of Sifter	Dr Jasjeet Kaur Narang

VII	30.7.2019	I	Practical Training of Capsule Filling Machine	Mr Anmol Dogra
		II	Practical Training of Fluidised Bed Dryer	Dr Varinder Soni
		III	Practical Training of Sifter	Dr Jasjeet Kaur Narang
		IV	Practical Training of Mass Mixer	Dr Navneet Nagpal
VII	31.7.2019	I	Practical Training of Mass Mixer	Dr Navneet Nagpal
		II	Practical Training of Sifter	Dr Jasjeet Kaur Narang
		III	Practical Training of Fluidised Bed Dryer	Dr Varinder Soni
		IV	Practical Training of Capsule Filling Machine	Mr Anmol Dogra
IX	1.8.2019	Test (2:00pm-3:00pm)		
		Valedictory Function (3:15pm-4:15pm)		



LIST OF ENROLLED STUDENTS FOR CERTIFICATE COURSE ON "HANDS ON TRAINING ON CONVENTIONAL DOSAGE FORM DESIGN" FROM 22.7.2019 TO 01.8.2019 FROM 1:00PM TO 5:00PM

S No	Name of Student
1	AAKRITI SURI
2	AAVLEEN ARORA
3	ABHISHEK BISWAL
4	ABINASH CHANDRA
5	ADARSHPREET SINGH
6	ADITYA THAKUR
7	AMAN BHATIA
8	AMIT
9	ANKITA SHARMA
10	ANMOL SHARMA
11	ARASHPREET SINGH
12	ARUN ANTHONY
13	AWALJOT SINGH
14	GURPREET KAUR
15	GURPREET KAUR
16	GURSHARAN SINGH
17	HANUM SHARMA
18	HARMAN DHILLON
19	HARPARTIK SINGH
20	HARSIMRAN KAUR SANGHA
21	JACOB SAHOTRA
22	JARMANJIT SINGH
23	JASPREET SINGH
24	JATINDERBIR SINGH
25	JOBANPREET KAUR
26	KAJAL SAMBYAL
27	KARAN SHARMA
28	KARANBIR SINGH DHANJU
29	KARTAR SINGH
30	KIRANJEET KAUR

31	KUNWARPAL SINGH
32	LOVEPREET SINGH
33	LOVISH KUMAR
34	MADHAV KAPOOR
35	MANJEET KAUR
36	MANJEET SINGH
37	MANJOT SINGH
38	MANMEET SINGH
39	MANPREET KAUR
40	MANPREET SINGH
41	MUKUL KUMAR CHATURVEDI
42	MUSKAN
43	NAVJOT KAUR
44	NAVNEET KAUR
45	PEEYUSH SHARMA
46	PUNEET SHARMA
47	PUNEET SHARMA
48	PUNEET SINGH JOSAN
49	RAJESH KUMAR
50	RAVI NANDAN SHARMA
51	RAYAM GUPTA
52	SACHLEEN KAUR
53	SANHA PUNJ
54	SATINDERJIT SINGH
55	SHIVAM SAMRA
56	SIMRAN KAUR
57	SIMRAT DHILLON
58	SOFIA SHARMA
59	SUKHDEEP SINGH
60	SUKHWINDER KAUR
61	SUNMEET SINGH
62	TARUN KUMAR



CERTIFICATE OF APPRECIATION

**THIS IS TO CERTIFY THATOF.....
..... HAS SUCCESSFULLY COMPLETED CERTIFICATE
COURSE ON "HAND ON TRAINING ON CONVENTIONAL DOSAGE FORM
DESIGN", ORGANIZED BY.....
.....FROM 22ND JULY TO 1ST AUGUST 2019.**

Dr. Vandar Sora
Convener

Dr. Jyoti Kaur Narang
Coordinator

Dr. R.K. Dhevan
Director-Principal



ਖਾਲਸਾ ਕਾਲਜ ਆਫ ਫਾਰਮੇਸੀ

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1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2018-2019)

S NO	NAME OF PROGRAM	DURATION	No of enrolled
1	Understanding of Plagiarism, Self-Plagiarism and Ethical Practice of Writing in Academia	30hrs	105

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 75% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification
- Test will be conducted in MCQ's format

Minimum score of 70% is mandatory in post training evaluation

Outcome of the Certificate Course:

On completion of the course the students will be able to:

1. Understand the Ethical aspects of scientific writing.
2. Understand Plagiarism, its types and their serious impact.
3. Remove plagiarism using online softwares.
4. Write scientific paper of good quality free from plagiarism.



KHALSA COLLEGE OF PHARMACY

Schedule for Certificate Course on "Understanding of Plagiarism, Self-Plagiarism and Ethical Practice of Writing in Academia" starting from 2nd February 2019. Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am onwards.

S No	Course Content	Date	Time Duration	Delivered By
1	Introduction to concept of plagiarism	2 nd February	2 Hrs	Dr Navneet Nagpal
2	Plagiarism types and self plagiarism	2 nd February	3 Hrs	Dr Tajpreet kaur
3	Ethical aspects of scientific writing	9 th February	2 Hrs	Dr Navneet Nagpal
4	Protocol to write book chapters, short review on current affairs	9 th February	3 Hrs	Dr Tajpreet kaur
5	Tricks to remove plagiarism	16 th February	5 hrs	Dr Navneet Nagpal
6	How to manage the novelty in writing	16 th February	3 hrs	Dr Navneet Nagpal
7	Review of literature	2 nd March	2 hrs	Dr Tajpreet kaur
8	High impact journals/publishing houses and publishing rules	2 nd March	5 hrs	Dr Navneet Nagpal Dr Tajpreet kaur
9	Hands on training on removal of plagiarism from manuscript	9 th March	5 hrs	
10	Post training evaluation	16 th march	2 hrs	Dr Navneet Nagpal
11	Valedictory	18th March		



**LIST OF ENROLLED STUDENTS FOR CERTIFICATE COURSE ON
“UNDERSTANDING OF PLAGIARISM, SELF-PLAGIARISM AND ETHICAL
PRACTICE OF WRITING IN ACADEMIA” STARTING FROM 2ND FEBRUARY 2019
B PHARMACY STUDENTS**

S No	Name of Student
1	Abhinav Sharma
2	Amandeep Kaur
3	Amandeep Sharma
4	Amanjot Kaur
5	Amanpreet Singh
6	Amritpal Kaur
7	Ankush Mahajan
8	Anudeep Kaur Sandhu
9	Anureet Kaur
10	Arshdeep Singh
11	Ashi Mannan
12	Ayushi Mahajan
13	Babalpreet Sharma
14	Bhargvi Sharma
15	Charanpreet Singh
16	Danish Dev
17	Divay Malhotra
18	Ekam Singh
19	Gurkirat Singh
20	Gurpinder Singh
21	Harkirat Singh
22	Harpreet Arora
23	Inderjeet Singh
24	Jaideep Kaur
25	Japneet Singh
26	Jarmanjit Singh
27	Kanwarsingh Uppal
28	Karanbir Singh

29	Kiranbir Singh
30	Komalpreet Kaur
31	Kulwinder Singh
32	Mandeep Singh Chhina
33	Manpreet Kaur
34	Mehak
35	Mehakdeep Singh
36	Navjeet Kaur
37	Nitika Uppal
38	Rajbir Kaur
39	Ramanbir Kaur
40	Ramandeep Kaur
41	Raminderjit Singh
42	Ravi Sharma
43	Ravinderpal Singh
44	Rishab Kapoor
45	Satbir Singh Warraich
46	Satyaanchal Thukral
47	Shubham Kant
48	Shubham Kapoor
49	Simranjot Singh
50	Sukhmandeep Kaur
51	Sukhmani Kaur
52	Sukhmanpreet Singh
53	Sukhpreet Singh
54	Varun Sharma
55	Shivam Bhatia
56	Charanjit Singh
57	Guraasdeep Kaur
58	Gurpal Singh
59	Harshit Khullar
60	Maninder Kaur
61	Navjot Kaur
62	Pawandeep Kaur
63	Ravika

64	Shivaay Maddan
65	Shubham Mahajan

BSC MLS STUDENTS ENROLLED IN TRAINING

S.No.	Reg.No.	Name of Student
1	1730733	Aanchal
2	1730734	Harmanjot Kaur
3	1730735	Harpal Singh
4	1730736	Joban Singh
5	1730737	Kanwardeep Singh
6	1730738	Kanwalpreet Kaur
7	1730740	Navdeep Kaur
8	1730741	Navjot Kaur
9	1730742	Navjot Singh
10	1730743	Palwinder Singh
11	1730744	Robin Singh
12	1730745	Sandeep Singh
13	1730746	Satinder Kaur
14	1730747	Shubhampreet Singh
15	1730748	Sukhmanpreet Kaur
16	1730749	Tania
17	1830988	Amarjit Singh
18	1830989	Arshpreet Kaur
19	1830990	Gagandeep Kaur
20	1830991	Gundeep Kaur
21	1830992	Gurlajdeep Kaur
22	1830993	Harpreet Singh
23	1830994	Jagroop Kaur
24	1830995	Kanwaljit Kaur
25	1830997	Kiranjot Kaur
26	1830998	Mandeep Kaur
27	1831001	Manpreet Kaur/AS
28	1830999	Maniraj Devgun
29	1830999	Manjit Kaur
30	1831003	Neha Rana
31	1831004	Nitish
32	1831005	Parminder Kaur
33	1831006	Pooja
34	1831007	Ramandeep Kaur
35	1831008	Rekha
36	1831009	Sakshi
37	1831010	Sandeep Singh
38	1831012	Shivani Bassi
39	1831013	Simranjit Kaur
40	1831014	Varinderjit Kaur
41	1831015	Vishaljeet Singh
42	1632497	Manpreet Kaur

43	1830977	Amandeep Kaur
44	1830978	Bindu
45	1830979	Diksha Kapila
46	1830982	Harminder Kaur
47	1830984	Mandeep Kaur
48	1830985	Neha
49	1830986	Sukhbir Kaur
50	1830987	Tejinder Kaur





CERTIFICATE OF APPRECIATION

THIS IS TO CERTIFY THATOF.....
.....HAS SUCCESSFULLY COMPLETED CERTIFICATE
COURSE ON "UNDERSTANDING OF PLAGIARISM AND ETHICAL
PRACTICE OF WRITING IN ACADEMIA", ORGANIZED
BY.....FROM 2ND FEBRUARY
TO 16TH MARCH 2019.

Dr Navreet Nagal
Convener

Dr. Tejpreet kaur
Coordinator

Dr. R.K. Dhewan
Director-Principal



Estd 2009

e-mail: khalsacop.asr2009@gmail.com

ਖਾਲਸਾ ਕਾਲਜ ਆਫ ਫਾਰਮੇਸੀ

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1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2018-2019)

S NO	NAME OF PROGRAM	DURATION	No of students
1	Hands on Training on Fermentation Technology	30hrs	63

Outcome of the Certificate Course:

On completion of the course the students will be able to:

1. Understand theoretical concept underlying fermentation.
2. Operate Fermenter taking all the safety measures.
3. Apply fermentation process for making products.
4. Calculate fermenter efficiency.

ASSESSMENT CRITERIA

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 75% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification
- Test will be conducted in MCQ's format

Minimum score of 70% is mandatory in post training evaluation

This is practical training so performance of student on daily basis also considered as parameter for evaluation



KHALSA COLLEGE OF PHARMACY

Schedule for certificate course on "Hands on training on fermentation Technology"
starting from 2nd February 2019.

Reporting time for students will be sharp 9am. Session will be conducted every
Saturday from 9am onwards.

S No	Course Content	Date	Time Duration	Delivered By
1	Introductory Session	2 nd February	2 Hrs	Mrs Juhi Walia
2	Classification of fermentation	2 nd February	3 Hrs	Mrs Juhi Walia
3	Application of fermentation technology	9 th February	2 Hrs	Dr Pratapbir Singh
4	Sterility management and sampling procedures	9 th February	3 Hrs	Dr Pratapbir Singh
5	Calculations of fermenter efficiency	16 th February	5 hrs	Dr Pratapbir Singh
6	Working of fermenter (theoretical concept)	16 th February	3 hrs	Dr Pratapbir Singh
7	Steps to be taken care of while handling	2 nd March	2 hrs	Dr Pratapbir Singh
8	Practical demonstration	2 nd March	5 hrs	Dr Pratapbir Singh/ Dr Narinder Kaur
9	Hands on Training	9 th March	5 hrs	Dr Pratapbir Singh/ Dr Narinder Kaur
10	Multiple choice question (Test)	16 th march	2 hrs	Dr Pratapbir Singh/ Dr Narinder Kaur
11	Valedictory	18th March		



LIST OF STUDENTS OR CERTIFICATE COURSE ON “HANDS ON TRAINING ON FERMENTATION TECHNOLOGY” STARTING FROM 2ND FEBRUARY 2019

S No	Name of Student
1	AAKRITI SURI
2	AAVLEEN ARORA
3	ABHISHEK BISWAL
4	ABINASH CHANDRA
5	ADARSHPREET SINGH
6	ADITYA THAKUR
7	AMAN BHATIA
8	AMIT
9	ANKITA SHARMA
10	ANMOL SHARMA
11	ARASHPREET SINGH
12	ARUN ANTHONY
13	AWALJOT SINGH
14	GURPREET KAUR
15	GURPREET KAUR
16	GURSHARAN SINGH
17	HANUM SHARMA
18	HARMAN DHILLON
19	HARPARTIK SINGH
20	HARSIMRAN KAUR SANGHA
21	JACOB SAHOTRA
22	JARMANJIT SINGH
23	JASPREET SINGH
24	JATINDERBIR SINGH
25	JOBANPREET KAUR
26	KAJAL SAMBYAL
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31	KUNWARPAL SINGH

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33	LOVISH KUMAR
34	MADHAV KAPOOR
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39	MANPREET KAUR
40	MANPREET SINGH
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42	MUSKAN
43	NAVJOT KAUR
44	NAVNEET KAUR
45	PEEYUSH SHARMA
46	PUNEET SHARMA
47	PUNEET SHARMA
48	PUNEET SINGH JOSAN
49	RAJESH KUMAR
50	RAVI NANDAN SHARMA
51	RAYAM GUPTA
52	SACHLEEN KAUR
53	SANHA PUNJ
54	SATINDERJIT SINGH
55	SHIVAM SAMRA
56	SIMRAN KAUR
57	SIMRAT DHILLON
58	SOFIA SHARMA
59	SUKHDEEP SINGH
60	SUKHWINDER KAUR
61	SUNMEET SINGH
62	TARUN KUMAR
63	TAVLEEN KAUR



CERTIFICATE OF APPRECIATION

**THIS IS TO CERTIFY THAT _____ OF _____
_____ HAS SUCCESSFULLY COMPLETED CERTIFICATE
COURSE ON "HANDS ON TRAINING ON FERMENTATION TECHNOLOGY",
ORGANIZED BY _____
FROM 2nd FEBRUARY TO 16th MARCH 2019.**

Mrs. Jothi Kataria
Convener

Dr. Jayceel Kaur Narang
Coordinator

Dr. R.K. Dhawan
Director-Principal



Estd 2009

e-mail: khalsacop.asr2009@gmail.com

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1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2018-2019)

S NO	NAME OF PROGRAM	DURATION	No of students
1	Instrumentation Techniques in Clinical microbiology	30hrs	57

ASSESSMENT CRITERIA

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 75% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification
- Test will be conducted in MCQ's format

Minimum score of 70% is mandatory in post training evaluation

LEARNING OUTCOMES

1. Gaining knowledge about organization of laboratory and safety precautions in clinical microbiology lab, Sample collection, processing and preservation and transportation of microscopic samples
2. Analysing clinical specimens-urine, stool, sputum, pus blood.
3. Detailed demonstration and hands on training on equipments used in lab : Hot Air Oven, BOD Incubator, Autoclave, Colony Counter, Laminar Air Flow, Rotary Orbital Shaker, Fluorescence Microcopy, Lyophilizer, UV Transilluminator.



KHALSA COLLEGE OF PHARMACY AND TECHNOLOGY, AMRITSAR

Program Schedule for certificate course on 'Instrumentation Techniques in Clinical Microbiology' starting from 1st Sept 2018. Reporting time for students will be sharp 9am. Session will be conducted every Saturday from 9am to 2pm.

S No	Course Content	Date	Time Duration	Delivered By
1	Introductory Session Organization of laboratory and safety precautions in clinical microbiology lab	1 st Sept 2018	2 Hrs	Mr Stalinjit Singh
2	Sample collection, processing and preservation and transportation of microscopic samples	1 st Sept 2018	3 Hrs	Mr Stalinjit Singh
3	Microscopic analysis of clinical specimens-urine, stool, sputum, pus blood.	8 th Sept 2018	2 Hrs	Dr Pratapbir Singh
4	Culturing Techniques	8 th Sept 2018	3 Hrs	Dr Pratapbir Singh
5	Detailed demonstration on equipments used in lab : Hot Air Oven, BOD Incubator, Autoclave, Colony Counter	15 th Sept 2018	5 hrs	Dr Pratapbir Singh
6	Hands on training on Laminar Air Flow, Rotary Orbital Shaker	22 nd Sept 2018	3 hrs	Dr Pratapbir Singh
7	Hands on training on ELISA	22 nd Sept 2018	2 hrs	Dr Narinder Kaur
8	Hands on Training on Fluorescence Microscopy, Lyophilizer	29 th Sept 2018	5 hrs	Dr Pratapbir Singh Dr. Gurpreet Kaur
9	Hands on training on UV Transilluminator, Colony Counter/Training Evaluation and Assessment/MCQs	6 th Oct 2018	5 hrs	
10	Valedictory	8th Oct 2018		



LIST OF STUDENTS FOR CERTIFICATE COURSE ON 'INSTRUMENTATION TECHNIQUES IN CLINICAL MICROBIOLOGY' STARTING FROM 1ST SEPT 2018

S.No.	Reg.No.	Name of Student
1	1632467	Ashish Bharti
2	1632468	Amar Pathak
3	1632469	Amarpal
4	1632470	Amritpal Singh
5	1632471	Ankita
6	1632472	Arshdeep Kaur
7	1632473	Arshdeep singh
8	1632474	Arshpreet Kaur
9	1632475	Arun
10	1632476	Arvind Raina
11	1632477	Atul Kumar
12	1632478	Garima
13	1632479	Gurjeet singh
14	1632480	Gurpreet Singh JS
15	1632481	Gurpreet Singh BS
16	1632482	Gursewak Singh
17	1632483	Harmandeep kaur
18	1632485	Harpreet Kaur
19	1632486	Harpreet Sandhu
20	1632487	Hemant arora
21	1632488	Himanshu Sharma
22		Jaspinder Kaur
23	1632490	Jaspreet kaur
24	1632491	Kajal Sharma
25	1632492	Kanwaljeet Kaur
26	1632493	Komalpreet kaur
27	1632494	Kulbir kaur
28	1632495	Manjotpal Singh
29	1632496	Manpreet Kaur MS
30	1632498	Manpreet Kaur NS
31	1632499	Manpreet Singh
32	1632500	Mansimranpreet Kaur
33	1632502	Navdeep Kaur SS
34	1632503	Navneet kaur
35	1632505	Nitish malhotra
36	1632507	Parul
37	1632508	Pawandeep Kaur HS
38	1632509	Pawandeep Kaur RS
39	1632510	Prabhjit Kaur
40	1632511	Prabhjot Singh
41	1632512	Rajdeep kaur
42	1632513	Ramandeep Kaur
43	1632514	Sahib Singh

44	1632516	Sandeep kaur
45	1632517	Satinderjit Singh
46	1632519	Shubham
47	1632520	Simranjit Kaur IS
48	1632521	Simranjit Kaur SS
49	1632522	Simranpreet Kaur JS
50	1632523	Simranpreet Kaur PS
51	1632524	Simarjit Singh MS
52	1632525	Sonali
53	1632526	Vikram
54	1730750	Lovepreet Kaur
55	1730751	Raina Sharma
56	1730752	Rohan Kumar
57		Khushdeep Kaur





141712C



CERTIFICATE OF APPRECIATION

This is to certify that _____
of _____ has successfully completed Certificate course on
"INSTRUMENTATION TECHNIQUES IN CLINICAL MICROBIOLOGY",
organized by Department of Medical Lab Sciences, Khalsa College of Pharmacy and
Technology, Amritsar from 1st September 2018 to 8th October 2018.

Dr. Pardeep Singh
Convener

Dr. Navinder Kaur
Coordinator

Dr. R. K. Dharwan
Director



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1.2.1 Number of Certificate/Value added courses

ACADEMIC YEAR (2018-2019)

S NO	NAME OF PROGRAM	DURATION	LNO OF STUDENTS
1	Theoretical and Practical Approach to Various Unit Operations in Pharmacy	30hrs	65

Outcome of the Certificate Course:

On completion of the course the students will be able to:

1. Understand the theoretical concepts of various unit operations (Freeze Dryer, Distillation, BOD and Laminar Air Flow, colloid Mill).
2. Operate Distillation.
3. Operate Freeze dryer.
4. Operate colloid Mill.
5. Operate BOD and Laminar Air Flow and do aseptic transfer.

ASSESSMENT CRITERIA

CRITERIA FOR COMPLETION CERTIFICATION

Minimum 75% attendance will be mandatory for every student.

- It is compulsory for every student to participate in post training evaluation for certification
- Test will be conducted in MCQ's format

Minimum score of 70% is mandatory in post training evaluation



KHALSA COLLEGE OF PHARMACY

Schedule for Certificate course on "Theoretical and Practical Approach to Various Unit Operations in Pharmacy" from 20.8.2018 to 30.8.2018 from 1:00pm to 5:00pm.

Day Number	Date	Student Group No.	Topic	Name of Faculty member
I	20.8.2018	I	Theoretical concepts underlying Freeze Dryer	Dr Jasjeet Kaur Narang
		II	Theoretical concepts underlying Distillation Apparatus	Dr Navneet Nagpal
		III	Theoretical concepts underlying BOD and Laminar Air Flow	Mr Anmol Dogra
		IV	Theoretical concepts underlying Colloid Mill	Dr Varinder Soni
II	21.8.2018	I	Theoretical concepts underlying Colloid Mill	Dr Varinder Soni
		II	Theoretical concepts underlying BOD and Laminar Air Flow	Mr Anmol Dogra
		III	Theoretical concepts underlying Distillation Apparatus	Dr Navneet Nagpal
		IV	Theoretical concepts underlying Freeze Dryer	Dr Jasjeet Kaur Narang
III	22.8.2018	I	Theoretical concepts underlying BOD and Laminar Air Flow	Mr Anmol Dogra
		II	Theoretical concepts underlying Colloid Mill	Dr Varinder Soni
		III	Theoretical concepts underlying Freeze Dryer	Dr Jasjeet Kaur Narang
		IV	Theoretical concepts underlying Distillation Apparatus	Dr Navneet Nagpal
IV	23.8.2018	I	Theoretical concepts underlying Distillation Apparatus	Dr Navneet Nagpal
		II	Theoretical concepts underlying Freeze Dryer	Dr Jasjeet Kaur Narang
		III	Theoretical concepts underlying Colloid Mill	Dr Varinder Soni
		IV	Theoretical concepts underlying BOD and Laminar Air Flow	Mr Anmol Dogra
V	24.8.2018	I	Practical Demonstration of Freeze Dryer	Dr Jasjeet Kaur Narang
		II	Practical Demonstration of Distillation Apparatus	Dr Navneet Nagpal
		III	Practical Demonstration of BOD and Laminar Air Flow	Mr Anmol Dogra
		IV	Practical Demonstration of Colloid Mill	Dr Varinder Soni
VI	27.8.2018	I	Practical Demonstration of Colloid Mill	Dr Varinder Soni
		II	Practical Demonstration of BOD and Laminar Air Flow	Mr Anmol Dogra
		III	Practical Demonstration of Distillation Apparatus	Dr Navneet Nagpal

		IV	Practical Demonstration of Freeze Dryer	Dr Jasjeet Kaur Narang
VII	28.8.2018	I	Theoretical concepts underlying BOD and Laminar Air Flow	Mr Anmol Dogra
		II	Theoretical concepts underlying Colloid Mill	Dr Varinder Soni
		III	Theoretical concepts underlying Freeze Dryer	Dr Jasjeet Kaur Narang
		IV	Theoretical concepts underlying Distillation Apparatus	Dr Navneet Nagpal
VII	29.8.2018	I	Theoretical concepts underlying Distillation Apparatus	Dr Navneet Nagpal
		II	Theoretical concepts underlying Freeze Dryer	Dr Jasjeet Kaur Narang
		III	Theoretical concepts underlying Colloid Mill	Dr Varinder Soni
		IV	Theoretical concepts underlying BOD and Laminar Air Flow	Mr Anmol Dogra
IX	30.8.2018	Test (2:00pm-3:00pm)		
		Valedictory Function (3:15pm-4:15pm)		



LIST OF STUDENTS FOR CERTIFICATE COURSE ON "THEORETICAL AND PRACTICAL APPROACH TO VARIOUS UNIT OPERATIONS IN PHARMACY" FROM 20.8.2018 TO 30.8.2018 FROM 1:00PM to 5:00pm

S No	Name of Student
1	Abhinav Sharma
2	Amandeep Kaur
3	Amandeep Sharma
4	Amanjot Kaur
5	Amanpreet Singh
6	Amritpal Kaur
7	Ankush Mahajan
8	Anudeep Kaur Sandhu
9	Anureet Kaur
10	Arshdeep Singh
11	Ashi Mannan
12	Ayushi Mahajan
13	Babalpreet Sharma
14	Bhargvi Sharma
15	Charanpreet Singh
16	Danish Dev
17	Divay Malhotra
18	Ekam Singh
19	Gurkirat Singh
20	Gurpinder Singh
21	Harkirat Singh
22	Harpreet Arora
23	Inderjeet Singh
24	Jaideep Kaur
25	Japneet Singh
26	Jarmanjit Singh
27	Kanwarsingh Uppal
28	Karanbir Singh
29	Kiranbir Singh
30	Komalpreet Kaur

31	Kulwinder Singh
32	Mandeep Singh Chhina
33	Manpreet Kaur
34	Mehak
35	Mehakdeep Singh
36	Navjeet Kaur
37	Nitika Uppal
38	Rajbir Kaur
39	Ramanbir Kaur
40	Ramandeep Kaur
41	Raminderjit Singh
42	Ravi Sharma
43	Ravinderpal Singh
44	Rishab Kapoor
45	Satbir Singh Warraich
46	Satyaanchal Thukral
47	Shubham Kant
48	Shubham Kapoor
49	Simranjot Singh
50	Sukhmandeep Kaur
51	Sukhmani Kaur
52	Sukhmanpreet Singh
53	Sukhpreet Singh
54	Varun Sharma
55	Shivam Bhatia
56	Charanjit Singh
57	Guraasdeep Kaur
58	Gurpal Singh
59	Harshit Khullar
60	Maninder Kaur
61	Navjot Kaur
62	Pawandeep Kaur
63	Ravika
64	Shivaay Maddan
65	Shubham Mahajan



CERTIFICATE OF APPRECIATION

**THIS IS TO CERTIFY THATOF.....
..... HAS SUCCESSFULLY COMPLETED CERTIFICATE
COURSE ON “THEORATICAL AND PRACTICAL APPROACH TO
VARIOUS UNIT OPERATIONS IN PHARMACY”, ORGANIZED BY
.....**

FROM 20TH AUGUST TO 30TH AUGUST 2018.

**Dr Varinder Soni
Convener**

**Dr. Jasjeet Kaur Narang
Coordinator**

**Dr. R.K. Dhawan
Director-Principal**