

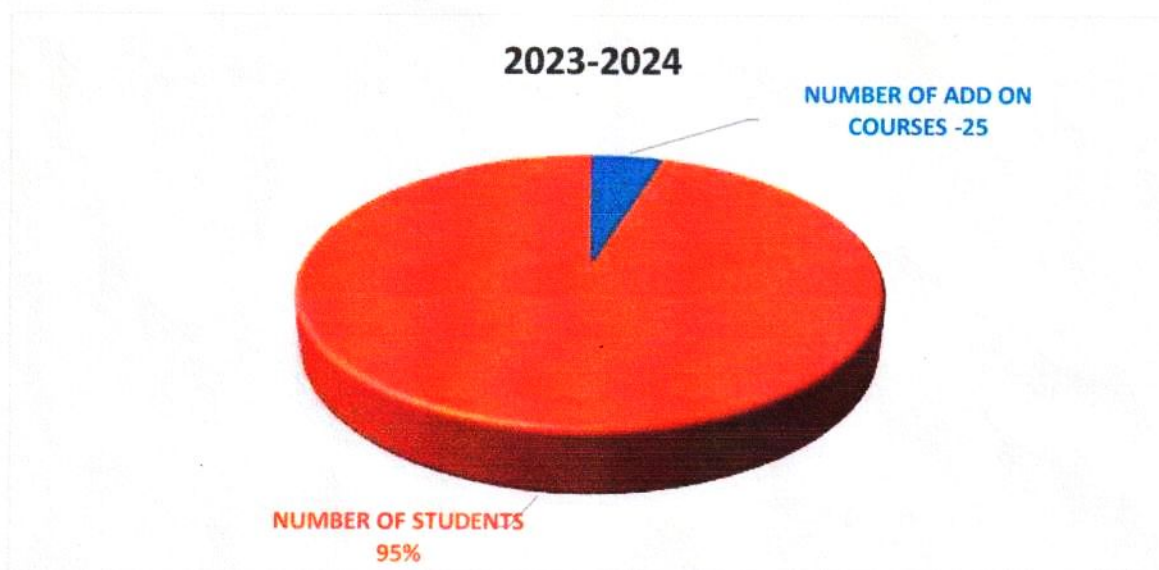


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The Oxford College of Pharmacy

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LIST OF ADD-ON COURSES

Sl No	Academic Year	Number of Courses	Number of Students
1	2023-2024	25	491



LIST OF ADD-ON COURSES 2023-2024

SL NO	Department	Name of add on Course	Course Code	Number of students
1	Department of Pharmacognosy	DNA typing in forensic science	DNATFC 2023-24	30
2	Department of Pharmacognosy	Biodegradation and bio remediation of Nicotine and Quercetin	BDRNQ 2023-24	25
3	Department of Pharmacognosy	Advances in Cytogenetic technique	ACGT 2023-24	22
4	Department of Pharmacognosy	Conservation of ebony and red sandal wood endangered plant species	CERSEPS 2023-24	10
5	Department of Pharmacognosy	Mycology and plant pathology of Ashwagandha and Ocimum Sanctum.	MPPAO 2023-24	10
6	Department of Pharmaceutical chemistry	Quantum Mechanics in medicinal Chemistry	QMMC	24
7	Department of Pharmaceutical chemistry	Chemical hazards and their control	CHC 2023-24	30



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8	Department of Pharmaceutical chemistry	Cheminformatics and molecular modeling	CMM 2023-24	20
9	Department of Pharmaceutical chemistry	Chiral Phytochemical Isolation and Characterization	CPIC 2023-24	15
10	Department of Pharmaceutical chemistry	Electrochemical Synthesis and Processing	ESP 2023-24	30
11	Department of Pharmacology	Medical Writing and Communications	MWC 2023-24	30
12	Department of Pharmacology	Digital Health and Pharmacy Informatics	DHPI 2023-24	15
13	Department of Pharmacology	AI in Pharmacy: Enhancing Student Learning	AIP 2023-24	15
14	Department of Pharmacology	Symptom Management in Palliative Care	SMPC 2023-24	14
15	Department of Pharmacology	Biomarkers in Neurodegenerative Disease	BND 2023-24	20
16	Department of Pharmacy practice	Adverse event reporting with emphasis on PV practice	AERPP 2023-24	25
17	Department of Pharmacy practice	Nutrition and Dietetics management for patients	NDM 2023-24	13
18	Department of Pharmacy practice	Introduction to basic life support methods	IBLSM 2023-24	30
19	Department of Pharmacy practice	Design of Questionnaires' and scoring methods for Clinical assessment	DOQ 2023-24	15
20	Department of Pharmacy practice	Application of drug information softwares in Pharmacy Practice	ADISP 2023-24	23
21	Department of Pharmaceutics	Modernization in Pharma manufacturing techniques	MPMT 2023-24	12
22	Department of Pharmaceutics	Economic aspects of Pharmaceutical Inventions	EAPS 2023-24	11
23	Department of Pharmaceutics	Pharma logistics trends challenges and opportunities	PLTCO 2023-24	10
24	Department of Pharmaceutics	Sustainable and green pharmacy based pharmaceutical formulations	SGPF 2023-2024	21
25	Department of Pharmaceutics	Digital therapeutics and smart DDS	DTSD 2023-24	21

P. Padma
PRINCIPAL

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List of Add-on courses from Academic Year 2023-2024

SLNO	PARTICULARS	PAGE NUMBER
1	Abstract	1-2
2	Index	3
3	Add -on Courses of 2023-2024	4- 415

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COURSE ON DNA TYPING IN FORENSIC SCIENCE

(Course Code: DNATFC2023-24)

Notice

Date: 01.01.2024

To

Notice Board

To be read in the class rooms

Course Coordinator- Mrs. Pavithra Devi. R

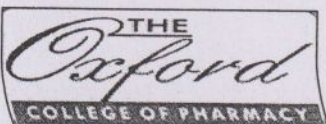
To be filed

The Oxford College of Pharmacy, Bangalore introduces a 30 hours course on **DNA TYPING IN FORENSIC SCIENCES (Course Code: DNATFC2023-24)** for the academic year 2023-24, for the benefit of B. Pharm students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from 10th January 2024 and will be conducted every Wednesday and Thursday after the regular classes. The eligibility criteria include students pursuing Pharmacy degree, that is B. Pharm, interested students can enroll with Mrs. Pavithra Devi. R, Course coordinator on or before 4th January 2024.

COORDINATOR
Mrs. Pavithra Devi. R.

HOD
Dr Padmaa M. Paarakh

PRINCIPAL
Dr Padmaa M. Paarakh



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Organizing Committee

Chairperson	Dr. Padmaa M Paarakh, Principal, TOCP, Bengaluru.
Course Co-ordinator	Mrs. Pavithra Devi. R Dept. of Pharmacognosy TOCP, Bengaluru.

For Further Information Contact

Mrs. Pavithra Devi. R
Assistant Professor,
Department of Pharmacognosy,
TOCP, Bengaluru.
Email:
devipharma02@gmail.com

THE OXFORD COLLEGE OF PHARMACY

The Oxford College of Pharmacy (TOCP) was established in 1992. TOCP under the aegis of Children's Education Society (R) offers D. Pharm, B. Pharm, M. Pharm, Pharm. D, and Pharm. D (Post Baccalaureate) programs. TOCP is recognized by the Government of Karnataka, affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, and Drug Control Board, Karnataka respectively, and Pharmacy Council of India, New Delhi. TOCP has excellent infrastructure in terms of sophisticated instruments, laboratories, lecture halls, etc.

ELIGIBILITY CRITERIA

Students Pursuing Pharmacy Degree
i.e., B. Pharm Students

Course On "DNA TYPING IN FORENSIC SCIENCE"



Organized by **THE OXFORD COLLEGE OF PHARMACY**

Department of Pharmacognosy,
1st Main Road., Hongasandra,
Bengaluru, Karnataka -560 068

Important Dates

Duration: 30 hours
Last date for registration: 4th Jan 2024
Date of commencement: 10th Jan 2024
Final Examination : May 2024

REGISTRATION

Registration Fees	NIL It is a free course offered by The Oxford College of Pharmacy, Bengaluru-68
Contact person for registration	Mrs.Pavithra Devi.R Course Co-ordinator 8618064372

STRUCTURE

- Course will be conducted for total 30 hours after the college hours.
- Every Wednesday and Thursday after the college hours.

COURSE DESCRIPTION

The Department of Pharmacognosy, TOCP, Bengaluru introduces a thirty hours course on **DNA TYPING IN FORENSIC SCIENCE** (Course code: **DNATFC2023-24**). This course offers the basic knowledge about DNA structural and functional analysis legal and ethical considerations etc.,

OBJECTIVES OF THE PROGRAM

- To understand the DNA structure and functions, to understand the techniques DNA analysis, to interpreting DNA results and ethical and legal considerations .
- This certificate course will help the students in understanding the analyzing specific regions of DNA to identify individuals or determine genetic relationships. This technique is commonly used in forensic science to match biological samples, various principles of DNA structure and its role in forensic.

DURATION

30 hours beginning from 10th Jan 2024

OUTCOME

- Provides an overview of DNA structure and functions, Analyze and interpret DNA evidence within the context of forensic cases
- Evaluate the legal and ethical considerations surrounding DNA evidence.
- Apply statistical concepts to assess the significance of DNA typing results in legal contexts.

REGISTRATION PROCESS

Students can directly contact respective course co-ordinator.

FINAL ASSESSMENT

Final exam will be conducted at the end of the syllabus.



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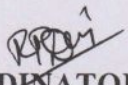
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COURSE ON DNA TYPING IN FORENSIC SCIENCE

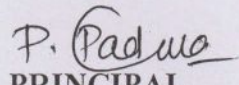
(Course Code: DNATFC2023-24)

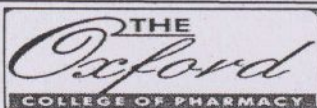
List of students

S. No.	Name of the Students	Signature
1.	HARSHATH S	Harshath
2.	SILAMBARASAN R	Selam
3.	BHARATHVAJ I	Bharath
4.	HEMANTH D R	Hemant
5.	SWAPNA V	Swapna
6.	YASHASWINI S M	Yashaswini
7.	AMULYA S	Amulya
8.	ANAND	Anand
9.	ANUSHA V	Anusha
10.	KRISHNA R	Krishna R
11.	MOHAMMAD SHAFIQ N	Shafiq N
12.	SHARAVANTH KUMAR N	Sharavanth Kumar
13.	SRI ABHINAYA S	Sri Abhinaya
14.	LAL REMRUATHI	Lal Remruathi
15.	SANI SAZIINI	Sani Saziini
16.	YASHWANTH K	Yashwanth K
17.	AKISHITHA Y	Akshitha
18.	AMRIN M	Amrin
19.	BISHAL KUMAR DEY	Bishal
20.	CHANDRAKANTH G	Chandrakanth
21.	DEEPIKA B R	Deepika
22.	DHANESHWARI.C.C	Dhaneshwari
23.	DHANYATHA S GUPTA	Dhanyatha
24.	DIVYA.A	Divya
25.	DRUTHI C	Druthi
26.	GNANAVI H R	Gnanavi
27.	HARSHITHA K	Harshitha
28.	HILAL AHMAD DAS	Hilal
29.	JAYANTI MANDAL	Jayanti
30.	JHANAVI L REDDY	Jhanavi


CO-ORDINATOR
Mrs. Pavithra Devi. R


HOD
Dr Padmaa M. Paarakh


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(Course Code: DNATFC2023-24)

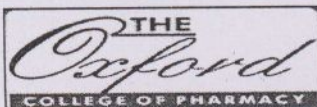
Syllabus

Module	Chapter/Topic
Module 1	Introduction to DNA in Forensic Science
	Importance of DNA in criminal investigations
	Molecular Biology Basics
	Methods of DNA extraction from various biological samples
	Laboratory safety protocols
	Polymerase Chain Reaction (PCR)
	Short Tandem Repeat (STR) Analysis
Module 2	Mitochondrial DNA Analysis
	DNA Databases and Their Use
	Case Studies in DNA Evidence
	Statistical Interpretation of DNA Evidence
	Legal Aspects of DNA Evidence
	Advanced Topics in DNA Typing
	Ethical and Societal Implications

CO-ORDINATOR
Mrs. Pavithra Devi. R

HOD
Dr Padmaa M. Paarakh

PRINCIPAL
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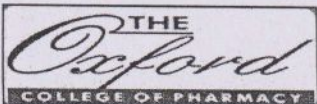
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COURSE ON DNA TYPING IN FORENSIC SCIENCE

(Course Code: DNATFC2023-24)

Attendance Statement

S. No	Name of the student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Date of the Class	10/1	11/1	17/1	18/1	21/1	22/1	31/1	1/2	7/2	8/2	14/2	15/2	28/2	29/2	6/3
1	Harshath S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	Şilambarasan R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	Bharathvaj I	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Hemanth D R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	Swapna V	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	Yashaswini S M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	Amulya S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	Anand	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	Anusha V	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	Krishna R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	Mohammad Shafiq N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	Sharavanth Kumar N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	Sri Abhinaya S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	Lal Remruathi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	Sani saziini	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Yashwanth K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	Akishitha Y	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	Amrin M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	Bishal Kumar Dey	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	Chandrakanth G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	Deepika B R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Dhaneshwari.C.C	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	Dhanyatha S Gupta	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	Divya.A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	Druthi C	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	Gnanavi H R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	Harshitha K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	Hilal Ahmad Das	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	Jayanti Mandal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	Jhanavi L Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
	SIGNATURE															



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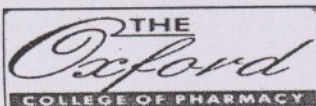
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COURSE ON DNA TYPING IN FORENSIC SCIENCE

(Course Code: DNATFC 2023-24)

Attendance Statement

S. No	Name of the student	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	Date of the Class	7/3	13/3	14/3	20/3	21/3	27/3	28/3	3/4	4/4	10/4	17/4	18/4	24/4	25/4	2/5
1	Harshath S	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
2	Silambarasan R	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
3	Bharathvaj I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
4	Hemanth D R	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
5	Swapna V	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
6	Yashaswini S M	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
7	Amulya S	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
8	Anand	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
9	Anusha V	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
10	Krishna R	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
11	Mohammad Shafiq N	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
12	Sharavanth Kumar N	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
13	Sri Abhinaya S	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
14	Lal Remruathi	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
15	Sani saziini	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
16	Yashwanth K	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
17	Akishitha Y	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
18	Amrin M	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
19	Bishal Kumar Dey	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
20	Chandrakanth G	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
21	Deepika B R	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
22	Dhaneshwari.C.C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
23	Dhanyatha S Gupta	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
24	Divya.A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
25	Druthi C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
26	Gnanavi H R	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
27	Harshitha K	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
28	Hilal Ahmad Das	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
29	Jayant Mandar	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
30	Jhanavi L Reddy	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	SIGNATURE															



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COURSE ON DNA TYPING IN FORENSIC SCIENCE

(Course Code: DNATFC2023-24)

SESSION PLAN

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1	10-01-2024	Wednesday	4:30-5:30 PM	INAUGURATION and Module-I	Dr. Padmaa. M. Paarakh Mrs. Pavithra Devi. R
2	11-01-2024	Thursday	4:30-5:30 PM	Module I	Mrs. Pavithra Devi. R
3.	17-01-2024	Wednesday	4:30-5:30 PM	Module I	Mrs. Pavithra Devi. R
4.	18-01-2024	Thursday	4:30-5:30 PM	Module I	Mrs. Pavithra Devi. R
5.	24-01-2024	Wednesday	4:30-5:30 PM	Module I	Mrs. Pavithra Devi. R
6.	25-01-2024	Thursday	4:30-5:30 PM	Module I	Mrs. Pavithra Devi. R
7.	31-01-2024	Wednesday	4:30-5:30 PM	Module I	Mrs. Pavithra Devi. R
8.	01-02-2024	Thursday	4:30-5:30 PM	Module I	Mrs. Pavithra Devi. R
9.	07-02-2024	Wednesday	4:30-5:30 PM	Module I	Mrs. Pavithra Devi. R
10.	08-02-2024	Thursday	4:30-5:30 PM	Module I	Mrs. Pavithra Devi. R
11.	14-02-2024	Wednesday	4:30-5:30 PM	Module I	Mrs. Pavithra Devi. R
12.	15-02-2024	Thursday	4:30-5:30 PM	Module I	Mrs. Pavithra Devi. R
13.	28-02-2024	Wednesday	4:30-5:30 PM	Module I	Mrs. Pavithra Devi. R
14.	29-02-2024	Thursday	4:30-5:30 PM	Module I	Mrs. Pavithra Devi. R
15.	06-03-2024	Wednesday	4:30-5:30 PM	Module I	Mr. Prathik Rai
16.	07-03-2024	Thursday	4:30-5:30 PM	Module I	Mrs. Pavithra Devi. R
17.	13-03-2024	Wednesday	4:30-5:30 PM	Module I	Mrs. Pavithra Devi. R
18.	14-03-2024	Thursday	4:30-5:30 PM	Module I	Mrs. Pavithra Devi. R
19.	20-03-2024	Wednesday	4:30-5:30 PM	Module II	Mrs. Pavithra Devi. R
20.	21-03-2024	Thursday	4:30-5:30 PM	Module II	Mrs. Pavithra Devi. R
21.	27-03-2024	Wednesday	4:30-5:30 PM	Module II	Mrs. Pavithra Devi. R
22.	28-03-2024	Thursday	4:30-5:30 PM	Module II	Mrs. Pavithra Devi. R

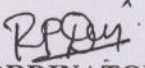


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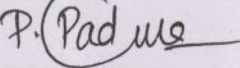
23.	03-04-2024	Wednesday	4:30-5:30 PM	Module II	Mrs. Pavithra Devi. R
24.	04-04-2024	Thursday	4:30-5:30 PM	Module II	Mrs. Pavithra Devi. R
25.	10-04-2024	Wednesday	4:30-5:30 PM	Module II	Mrs. Pavithra Devi. R
26.	17-04-2024	Wednesday	4:30-5:30 PM	Module II	Mrs. Pavithra Devi. R
27.	18-04-2024	Thursday	4:30-5:30 PM	Module II	Mrs. Pavithra Devi. R
28.	24-04-2024	Wednesday	4:30-5:30 PM	Module II	Mrs. Pavithra Devi. R
29.	25-04-2024	Thursday	4:30-5:30 PM	Module II	Mrs. Pavithra Devi. R
30.	02-05-2024	Thursday	4:30-5:30 PM	Module II	Mrs. Pavithra Devi. R
31.	03-05-2024	Friday	4:30-5:30 PM	VALEDICTORY	Dr. Padmaa. M. Paarakh Mrs. Pavithra Devi. R


CO-ORDINATOR

Mrs. Pavithra Devi. R


HOD

Dr. Padmaa M. Paarakh


PRINCIPAL

Dr. Padmaa M. Paarakh



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COURSE ON DNA TYPING IN FORENSIC SCIENCE

(Course Code: DNATFC2023-24)

Completion Report

The Department of Pharmacognosy, The Oxford college of Pharmacy, Bangalore, conducted a Course on DNA Typing in Forensic Science (Course Code: DNATFC2023-24) for the academic year 2023-24. The course was intended to impart knowledge to the students about the basics of DNA structure and its role in forensic science, Analyse and interpret DNA evidence within the context of forensic cases and to evaluate the legal and ethical considerations surrounding DNA evidence.

The course was started with an inaugural function by welcoming the Principal Dr Padmaa M Paarakh. The function was conducted at Room No-505 and all the participants were introduced by Course Coordinators Mrs Pavithra Devi. R. Total 30 students were present. Our principal had emphasized on the importance of doing such courses for betterment of their future. The inaugural function has been summed up with the introductory lecture of course coordinator Mrs. Pavithra Devi. R

A total thirty hours course had been conducted after the college hours of every Wednesday and Thursday.

The syllabus of the course had been divided into two modules. After the completion of each modules an internal assessment was conducted and overall test was conducted after the completion of the course.

The results of module I, II, and overall were analysed. Approximately 33.33 % students scored grade A (marks percentage-100%) in all the tests followed by 40% who scored grade B (marks percentage-90%) and 16.6 % scored grade C (marks percentage-80%) and 10% scored grade D (marks percentage-70 and below %).

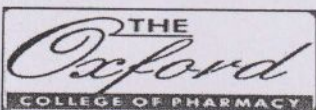
The performance of the students in the tests were found excellent. About Ninety percent of the students had secured excellent grades in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes.

The valedictory function has been conducted on 03/05/2024 and the course participation certificates were distributed to all 30 students by the Principal & Head of the Department Dr. Padmaa M Paarakh, and we had thanked management for providing best infrastructure for carrying out such courses. Behalf of department she promised to carry out such courses in future also. The guest of the valedictory function, Dr Padmaa M Paarakh, Principal, had appreciated the enthusiasm of the students in this course and Congratulate the Department of Pharmacognosy and the course co-ordinator Mrs Pavithra Devi. R for successful completion of the course.

CO-ORDINATOR
Mrs. Pavithra Devi. R

HOD
Dr Padmaa M. Paarakh

PRINCIPAL
Dr Padmaa M. Paarakh



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COURSE ON DNA TYPING IN FORENSIC SCIENCE

(Course Code: DNATFC2023-24)


OUTCOME REPORT

The Department of Pharmacognosy, The Oxford College of Pharmacy, Bangalore- 560068, completed course on DNA TYPING IN FORENSIC SCIENCES (Course Code: DNATFC2023-24). About 30 students were registered and the course was conducted for 30 hours. This course will help the students in understanding the DNA structure and functions, Analyze and interpret DNA evidence within the context of forensic cases

Course Outcome: At the end of this course students were able to

- Provides an overview of DNA structure and functions, Analyze and interpret DNA evidence within the context of forensic cases.
- Evaluate the legal and ethical considerations surrounding DNA evidence.
- Apply statistical concepts to assess the significance of DNA typing results in legal contexts.

The students were satisfied and were keen to attend such programs in future


CO-ORDINATOR

Mrs. Pavithra Devi. R


HOD

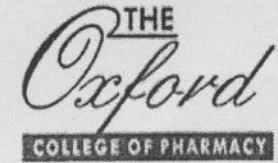
Dr. Padmaa M. Paarakh


PRINCIPAL

Dr. Padmaa M. Paarakh



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THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Harshath . S of
VIth SEM B. Pharm year has undergone a course on DNA Typing in Forensic
Sciences held at the Department of Pharmacognosy, The Oxford College of
Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

COURSE COORDINATOR

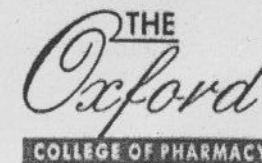
Mrs. Pavithra Devi. R
Dept of Pharmacognosy
The Oxford College of
Pharmacy

HOD

Dr. PADMAA M PAARAKH
Dept of Pharmacognosy
The Oxford College of
Pharmacy

PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



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PARTICIPATION CERTIFICATE


This is to certify that Mr./Ms. Swapna S of
^{1st} VI SEM B.Pharm year has undergone a course on DNA Typing in Forensic
Sciences held at the Department of Pharmacognosy, The Oxford College of
Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR

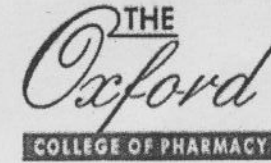
Mrs. Pavithra Devi. R
Dept of Pharmacognosy
The Oxford College of
Pharmacy


HOD

Dr. PADMAA M PAARAKH
Dept of Pharmacognosy
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Amulya .S of
VI SEM B. Pharm year has undergone a course on DNA Typing in Forensic
Sciences held at the Department of Pharmacognosy, The Oxford College of
Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR

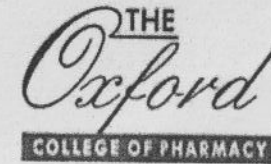
Mrs. Pavithra Devi. R
Dept of Pharmacognosy
The Oxford College of
Pharmacy


HOD

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The Oxford College of
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Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. ANRIN M of
VIth SEM B.Pharm year has undergone a course on DNA Typing in Forensic
Sciences held at the Department of Pharmacognosy, The Oxford College of
Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

COURSE COORDINATOR

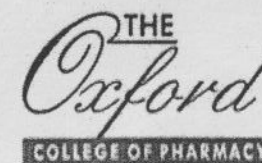
Mrs. Pavithra Devi. R
Dept of Pharmacognosy
The Oxford College of
Pharmacy

HOD

Dr. PADMAA M PAARAKH
Dept of Pharmacognosy
The Oxford College of
Pharmacy

PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Divyaa A of
VI SEM B. Pharm year has undergone a course on DNA Typing in Forensic
Sciences held at the Department of Pharmacognosy, The Oxford College of
Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR

Mrs. Pavithra Devi. R
Dept of Pharmacognosy
The Oxford College of
Pharmacy


HOD

Dr. PADMAA M PAARAKH
Dept of Pharmacognosy
The Oxford College of
Pharmacy


PRINCIPAL

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Course on Biodegradation and Bioremediation of Nicotine and Quercetin

(Course Code: BDRNQ 2023-24)

NOTICE

Date: 11.07.2024

To

Notice Board

To be read in the class rooms

Course Coordinator -Mrs. Chaithra K

To be filed

The Oxford College of Pharmacy, Bangalore introduces a 30 hours course on Biodegradation and Bioremediation of Nicotine and Quercetin for the academic year 2023-24, for the benefit B. Pharm students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from 20th July 2024 and will be conducted after the college hours on Saturday and Monday. The eligibility criteria include students pursuing Pharmacy degree that is B. Pharm students. Interested students can enroll with Mrs. Chaithra K, Course coordinator on or before 17th July 2024.


CO-ORDINATOR

Mrs. Chaithra K


HOD

Dr. Padmaa M Paarakh


PRINCIPAL

Dr. Padmaa M Paarakh



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Organizing Committee

Chairperson	Dr. Padmaa M Paarakh, Principal, TOCP, Bengaluru.
HOD	Dr. Padmaa M Paarakh,
Course Coordinator	Chaithra K Dept of Pharmacognosy TOCP, Bengaluru.

For Further Information Contact

Chaithra K
Assistant Professor,
Department of Pharmacognosy,
TOCP, Bengaluru.
Email:
chaithragowdak95@gmail.com

THE OXFORD COLLEGE OF PHARMACY

The Oxford College of Pharmacy (TOCP) was established in 1992. TOCP under the aegis of Children's Education Society (R) offers D. Pharm, B. Pharm, M. Pharm, Pharm. D, and Pharm. D (Post Baccalaureate) programs. TOCP is recognized by the Government of Karnataka, affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, and Drug Control Board, Karnataka respectively, and Pharmacy Council of India, New Delhi. TOCP has excellent infrastructure in terms of sophisticated instruments, laboratories, lecture halls, etc.

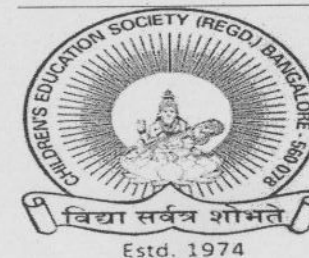
ELIGIBILITY CRITERIA

Students Pursuing Pharmacy Degree i.e.,
B. Pharm Students.

Course

In

“Biodegradation and Bioremediation of Nicotine and Quercetin”



Organized by

THE OXFORD COLLEGE OF PHARMACY

Department of Pharmacognosy,
1st Main Road., Hongasandra,
Bengaluru, Karnataka -560 068

Important Dates

Duration: 30 hours

**Last date for registration: 17th July
2024**

Date of commencement: 20th July 2024

Final Examination : October 2024

REGISTRATION

Registration Fees	NIL It is a free course offered by The Oxford College of Pharmacy, Bengaluru-68
Contact person for registration	Chaithra K Course Coordinator 7406031261

STRUCTURE

- Course will be conducted for Total 30 hours after the college hours.
- Every Saturday and Monday after the college hours

COURSE DESCRIPTION

The Department of Pharmacognosy, TOCP, Bengaluru introduces 30 hours course on Biodegradation and Bioremediation of Nicotine and Quercetin (Course Code: BDRNQ 2023-24). This course offers knowledge about microbial degradation mechanisms and various bioremediation techniques.

OBJECTIVES OF THE PROGRAM

- Understanding of the biodegradation and bioremediation processes for nicotine and quercetin
- To know microbial degradation mechanisms and introduce bioremediation techniques.
- To know the role of biotechnology in enhancing degradation processes and developing effective remediation strategies environmental contaminants.
- .

FINAL ASSESSMENT

Final exam will be conducted at the end of the session.

DURATION

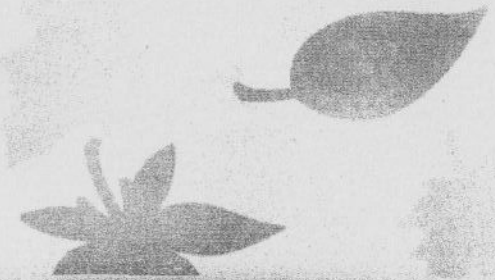
30 hours beginning from 20th July 2024

OUTCOME

- To understand and Evaluate the biochemical processes of nicotine and quercetin biodegradation by identifying key microbial species and their specific roles in degradation pathways.
- To know the bioremediation strategies to mitigate the environmental impact of nicotine and quercetin contamination.
- To understand environmentally friendly solutions in waste management.

REGISTRATION PROCESS

Students can directly contact their Class teacher





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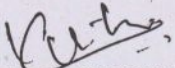
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Course on Biodegradation and Bioremediation of Nicotine and Quercetin

(Course Code: BDRNQ 2023-24)

LIST OF STUDENTS

S.No.	Name of the Students	Signature
1.	Kamali R	Kam
2.	Keerthana K	Ke
3.	Keerthi	Ke
4.	Keerthivasan A S	Keerthivasan
5.	Kiran A	Kiran
6.	Kokila Shree P	Kokila
7.	Kruthik R M	Kruthik
8.	Lakshmi T	Laksh
9.	Lalith Kishore	Lalith
10.	Lavanya M	Lav
11.	Lavanya:S	Lavanya
12.	Madhudharshini R	Madhu
13.	Magesh S	Magesh
14.	Manash Pratim Taid	Manash
15.	Manoj A N	Manoj
16.	Meghna	Megh
17.	Mohamed Ashwaq S	Mohamed
18.	Mohammed Sameer H	Mohammed
19.	Mouneshwar V	Mouneshwar
20.	Mounika R	Mounika
21.	Muralidharan C	Muralidharan
22.	N Jeevitha	N Jeevitha
23.	N Nandhi shri	N Nandhi shri
24.	Namitha	Namitha
25.	Nandhini R	R.Nandhini


COURSE CO-ORDINATOR

Mrs Chaithra K


HOD

Dr. Padmaa M Paarakh


PRINCIPAL

Dr. Padmaa M Paarakh



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Course on Biodegradation and Bioremediation of Nicotine and Quercetin

(Course Code: BDRNQ2023-24)

Session Plan

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1	20.07.2024	Saturday	1:30 - 2:30PM	Inaugural	Mrs. Chaithra K
2	20.07.2024	Saturday	2:30 -3:30PM	Module 1	Mrs. Chaithra K
3	22.07.2024	Monday	4:00- 5:00PM	Module 1	Mrs. Chaithra K
4	27.07.2024	Saturday	1:30 - 2:30PM	Module 1	Mrs. Chaithra K
5	27.07.2024	Saturday	2:30 -3:30PM	Module 1	Mrs. Chaithra K
6	29.07.2024	Monday	4:00- 5:00PM	Module 1	Mrs. Chaithra K
7	03.08.2024	Saturday	1:30 - 2:30PM	Module 1	Mrs. Chaithra K
8	03.08.2024	Saturday	2:30 -3:30PM	Module 1	Mrs. Chaithra K
9	05.08.2024	Monday	4:00- 5:00PM	Module 1	Mrs. Chaithra K
10	10.08.2024	Saturday	1:30 - 2:30PM	Module 1	Mrs. Chaithra K
11	10.08.2024	Saturday	2:30 -3:30PM	Module 1	Mrs. Chaithra K
12	12.08.2024	Monday	4:00- 5:00PM	Module 1	Mrs. Chaithra K
13	17.08.2024	Saturday	1:30 - 2:30PM	Module 1	Mrs. Chaithra K
14	17.08.2024	Saturday	2:30 -3:30PM	Module 1	Mrs. Chaithra K
15	24.08.2024	Saturday	1:30 - 2:30PM	Module 1	Mrs. Chaithra K
16	24.08.2024	Saturday	2:30 -3:30PM	Module 2	Mrs. Chaithra K
17	26.08.2024	Monday	4:00- 5:00PM	Module 2	Mrs. Chaithra K
18	31.08.2024	Saturday	1:30 - 2:30PM	Module 2	Mrs. Chaithra K
19	31.08.2024	Saturday	2:30 -3:30PM	Module 2	Mrs. Chaithra K
20	02.09.2024	Monday	4:00- 5:00PM	Module 2	Mrs. Chaithra K
21	09.09.2024	Monday	4:00- 5:00PM	Module 2	Mrs. Syada Noor Madni
22	14.09.2024	Saturday	1:30 - 2:30PM	Module 2	Mrs. Chaithra K
23	14.09.2024	Saturday	2:30 -3:30PM	Module 2	Mrs. Chaithra K
24	21.09.2024	Saturday	1:30 - 2:30PM	Module 2	Mrs. Chaithra K
25	21.09.2024	Saturday	2:30 -3:30PM	Module 2	Mrs. Chaithra K
26	23.09.2024	Monday	4:00- 5:00PM	Module 2	Mrs. Chaithra K
27	28.09.2024	Saturday	1:30 - 2:30PM	Module 2	Mrs. Chaithra K
28	28.09.2024	Saturday	2:30 -3:30PM	Module 2	Mrs. Chaithra K
29	30.09.2024	Monday	4:00- 5:00PM	Module 2	Mrs. Chaithra K
30	05.10.2024	Saturday	1:30 - 2:30PM	Module 2	Mrs. Chaithra K
31	05.10.2024	Saturday	2:30 -3:30PM	Valedictory function	Mrs. Chaithra K

Chaithra
COURSE CO-ORDINATOR

Mrs Chaithra K

Dr. Padmaa
HOD

Dr. Padmaa M Paarakh

Dr. Padmaa
PRINCIPAL

Dr. Padmaa M Paarakh



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Course on Biodegradation and Bioremediation of Nicotine and Quercetin

(Course Code: BDRNQ 2023-24)

Syllabus

MODULE	CHAPTER/TOPIC
MODULE 1	Overview of Biodegradation and Bioremediation
	Importance of Biodegradation in Environmental Science
	Introduction to Nicotine: Sources and Environmental Impact
	Introduction to Quercetin: Sources and Environmental Impact
	Biochemical Pathways Overview
	Microbial Metabolism: General Concepts
	Biodegradation Pathways of Nicotine
	Enzymatic Processes in Nicotine Degradation
MODULE 2	Microbial Species Involved in Nicotine Biodegradation
	Biodegradation Pathways of Quercetin
	Enzymatic Processes in Quercetin Degradation
	Microbial Species for Biodegradation of Quercetin
	Role of Bacteria in Bioremediation
	Role of Fungi in Bioremediation
	Bioremediation Strategies for Nicotine Contamination
	Bioremediation Strategies for Quercetin Contamination

V. Chaitra
COURSE CO-ORDINATOR

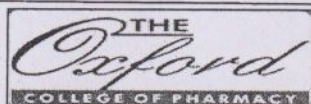
Mrs Chaithra K

P. Padma
HOD

Dr. Padmaa M Paarakh

P. Padma
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Course on Biodegradation and Bioremediation of Nicotine and Quercetin

(Course Code: BDRNQ2023-24)

Completion Report

The Department of Pharmacognosy, The Oxford College of Pharmacy, Bangalore, conducted Course on Biodegradation and Bioremediation of Nicotine and Quercetin (Course Code: BDRNQ2023-24) for the academic year 2023-24. This course offered knowledge about microbial degradation mechanisms and various bioremediation techniques.

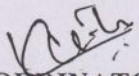
The course was started with a formal inaugural function by welcoming the Principal Dr. Padmaa M Paarakh. The Function was conducted at Room NO -501 and all the participants were introduced by Course Coordinator Mrs Chaithra K. Total 25 students were present. Our principal Mam had emphasized on the importance of doing such courses in academics as well as in future also. The inaugural function has been summed up with the introductory lecture of course coordinator.

A total thirty-hour course had been conducted after college hours on Saturday and Monday. Total 25 students have enrolled for this course.

The syllabus of the course had been divided into two modules. After the completion of each module, test was conducted, and overall test was conducted after the completion of the course.

The results of the tests conducted for all the two modules and overall were analysed. Approximately 60 % students scored grade A (Marks percentage 95-100%) in all the tests followed by 30% who scored grade B (Marks percentage 90-94%) and 10% scored grade C (Marks percentage 85-89%). The performance of the students in the tests were found to be excellent. About ninety percent of the students had secured excellent grades in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes.

The valedictory function has been conducted on 05.10.2024 and the participation certificate were distributed to all 25 students by Principal Dr. Padmaa M Paarakh. The coordinator had thanked Principal and management for providing best infrastructure for carrying out such courses in future also. The guest of the valedictory function, Dr Padmaa M Paarakh, Principal, had appreciated the enthusiasm of the students in this course and Congratulate the Department of Pharmacognosy and the course coordinator, Mrs Chaithra K for successful completion of course.


CO-ORDINATOR

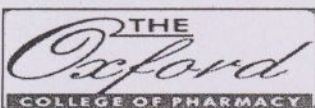
Mrs Chaithra K


HOD

Dr. Padmaa M Paarakh


PRINCIPAL

Dr. Padmaa M Paarakh



No.6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru -560 068
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Children's Education Society (Regd.)

The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka;
Approved by Pharmacy Council of India, New Delhi)

Course on Biodegradation and Bioremediation of Nicotine and Quercetin

(Course Code: BDRNQ2023-24)

OUTCOME REPORT

The Department of Pharmacognosy, The Oxford College of Pharmacy, Bangalore-560 068, completed Course on Biodegradation and Bioremediation of Nicotine and Quercetin (Course Code: BDRNQ2023-24). About 25 students were registered and the course was conducted for 30 hours. This course offered knowledge about microbial degradation mechanisms and various bioremediation techniques.

OUTCOMES: At the end of this course students were able to

- To understand and evaluate the biochemical processes of nicotine and quercetin biodegradation by identifying key microbial species and their specific roles in degradation pathways.
- To know the bioremediation strategies to mitigate the environmental impact of nicotine and quercetin contamination.
- To understand environmentally friendly solutions in waste management.

The students were satisfied and were keen to attend such programmes in future.

CO-ORDINATOR

Mrs Chaithra K

HOD

Dr. Padmaa M Paarakh

PRINCIPAL

Dr. Padmaa M Paarakh



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6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. Kamali . R of B. Pharm VIth SEM
has successfully completed course on *Biodegradation and Bioremediation of
Nicotine and Quercetin* by Department of Pharmacognosy, held at The Oxford
College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

P. Padma

Dr. PADMAA M PAARAKH

PRINCIPAL & HOD, Dept. of
Pharmacognosy

Chaitra K

Mrs Chaithra K

COURSE CO-ORDINATOR



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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. Keerthi of B. Pharm VIth SEM
has successfully completed course on Biodegradation and Bioremediation of
Nicotine and Quercetin by Department of Pharmacognosy, held at The Oxford
College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

P. Padma

Dr. PADMAA M PAARAKH

PRINCIPAL & HOD, Dept. of
Pharmacognosy

Chaitra K

Mrs Chaithra K

COURSE CO-ORDINATOR



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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. Kruthik RM of B. Pharm VIth SEM
has successfully completed course on *Biodegradation and Bioremediation of
Nicotine and Quercetin* by Department of Pharmacognosy, held at The Oxford
College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

P. Padma
Dr. PADMA M PAARAKH

PRINCIPAL & HOD, Dept. of
Pharmacognosy

Chaitra K
Mrs Chaithra K

COURSE CO-ORDINATOR



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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. Manoj AN of B. Pharma VIth SEM
has successfully completed course on Biodegradation and Bioremediation of
Nicotine and Quercetin by Department of Pharmacognosy, held at The Oxford
College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

P. Padma

Dr. PADMAA M PAARAKH

PRINCIPAL & HOD, Dept. of
Pharmacognosy

Chaithra K

Mrs Chaithra K

COURSE CO-ORDINATOR



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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. Mounika.R of B-pharm VIth SEM
has successfully completed course on Biodegradation and Bioremediation of
Nicotine and Quercetin by Department of Pharmacognosy, held at The Oxford
College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

P. Padma

Dr. PADMAA M PAARAKH

PRINCIPAL & HOD, Dept. of
Pharmacognosy

Chaitra K

Mrs Chaithra K

COURSE CO-ORDINATOR



Children's Education Society (Regd.)
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(Recognised by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka;
Approved by Pharmacy Council of India, New Delhi)

Course on Advances in Cytogenetic Techniques

(Course Code: ACGT 2023-24)

NOTICE

Date: 02.01.2024

To

Notice Board

To be read in the class rooms

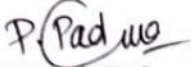
Course Coordinator -Mrs. Chaithra K

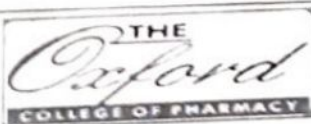
To be filed

The Oxford College of Pharmacy, Bangalore introduces a 30 hours Course on advances in cytogenetic technique for the academic year 2023-24, for the benefit of Pharm.D students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from 13th January 2024 and will be conducted after the college hours on Saturday and Monday. The eligibility criteria include students pursuing Pharmacy degree that is Pharm.D students. Interested students can enroll with Mrs. Chaithra K, Course coordinator on or before 10th January 2024.


CO-ORDINATOR
Mrs Chaithra K


HOD
Dr. Padmaa M Paarakh


PRINCIPAL
Dr. Padmaa M Paarakh



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e-mail: pharmacyprincipal@theoxford.edu; info@theoxford.edu;

Organizing Committee

Chairperson	Dr. Padmaa M Paarakh, Principal, TOCP, Bengaluru.
HOD	Dr. Padmaa M Paarakh,
Course Coordinator	Chaithra K Dept of Pharmacognosy TOCP, Bengaluru.

For Further Information Contact

Chaithra K
Assistant Professor,
Department of Pharmacognosy,
TOCP, Bengaluru.
Email:
chaithragowdak95@gmail.com

THE OXFORD COLLEGE OF PHARMACY

The Oxford College of Pharmacy (TOCP) was established in 1992. TOCP under the aegis of Children's Education Society (R) offers D. Pharm, B. Pharm, M. Pharm, Pharm. D, and Pharm. D (Post Baccalaureate) programs. TOCP is recognized by the Government of Karnataka, affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, and Drug Control Board, Karnataka respectively, and Pharmacy Council of India, New Delhi. TOCP has excellent infrastructure in terms of sophisticated instruments, laboratories, lecture halls, etc.

ELIGIBILITY CRITERIA

Students Pursuing Pharmacy Degree i.e., Pharm. D Students.

Course on "Advances in Cytogenetic Techniques"



Organized by
**THE OXFORD COLLEGE
OF PHARMACY**

Department of Pharmacognosy,
1st Main Road., Hongasandra,
Bengaluru, Karnataka -560 068

Important Dates

Duration: 30 hours
Last date for registration: 10th January
2024
Date of commencement: 13th January
2024
Final Examination : April 2024

REGISTRATION

Registration	NIL
Fees	It is a free course offered by The Oxford College of Pharmacy, Bengaluru-68
Contact person for registration	Chaithra K Course Coordinator 7406031261

STRUCTURE

- Course will be conducted for Total 30 hours after the college hours.
- Every Saturday and Monday after the college hours

COURSE DESCRIPTION

The Department of Pharmacognosy, TOCP, Bengaluru introduces 30 hours course on Advances in Cytogenetic Techniques (Course Code: ACGT 2023-24). This course offers knowledge about various Cytogenetic Techniques and its advances applied in various fields.

OBJECTIVES OF THE PROGRAM

- To gain knowledge about the importance and uses various cytogenetic techniques like Fluorescence In Situ Hybridization (FISH), Comparative Genomic Hybridization (CGH), and Next-Generation Sequencing (NGS)-based cytogenetics.
- To know role of cytogenetic techniques in diagnosing genetic disorders, cancer genetics, prenatal screening, and personalized medicine.

FINAL ASSESSMENT

Final exam will be conducted at the end of the session.

DURATION

30 hours beginning from January 13th 2024

OUTCOME

- This course provides an overview of various cytogenetic techniques.
- This course will provide individuals with the knowledge on advanced cytogenetic techniques like FISH, CGH, and NGS for clinical and research purposes and also in identifying various genetic disorders.

REGISTRATION PROCESS

Students can directly contact their course coordinator



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Course on Advances in Cytogenetic Techniques

(Course Code: ACGT 2023-24)

LIST OF STUDENTS

S.No.	Name of the Students	Signature
1.	Abinaya sangavi	Abinaya Sangavi
2.	Aishwarya K	Aishwarya K
3.	Ajay kumar N	Ajay Kumar N
4.	Anu R	Anu R
5.	Baranidharan G	Baranidharan G
6.	Hema S Reddy	Hema S Reddy
7.	Imlibenba ozukum	Imlibenba ozukum
8.	J.Jeevitha	Jeevitha
9.	Jyothirmoy Ghosh	Jyothirmoy Ghosh
10.	Krishnajith S	Krishnajith S
11.	Lakshmi . P	Lakshmi . P
12.	Maivannan K	Maivannan K
13.	Md. Saif khazi	Md Saif Khazi
14.	Nayana Rai A	Nayana Rai A
15.	Raafi Jamal J	Raafi Jamal J
16.	Rupkumar Das	Rupkumar Das
17.	Sam Sherman S	Sam Sherman S
18.	Savitha TV	Savitha T.V
19.	Shree Devika Rani	Shree devika Rani
20.	Uday Saha	Uday Saha
21.	Uddipan Rai	Uddipan Rai
22.	Weizel Pearl Barretto	Weizel Pearl Barretto


CO-ORDINATOR

Mrs Chaithra K


HOD

Dr. Padmaa M Paarakh


PRINCIPAL

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Course on Advances in Cytogenetic Techniques

(Course Code: ACGT 2023-24)

Syllabus

MODULE	CHAPTER/TOPIC
MODULE-I	Introduction to Cytogenetics
	Basic Principles of Karyotyping
	Advances in Karyotyping: Automated Karyotyping Systems
	Chromosome Banding Techniques: G-banding, R-banding, Q-banding
	High-Resolution Chromosome Banding: Applications
	Fluorescence In Situ Hybridization (FISH): Principle and Procedure
	FISH application in genomics
	Molecular Cytogenetics in Personalized Medicine
MODULE -II	Next-Generation Sequencing (NGS) in Cytogenetics
	NGS-Based Cytogenetic Profiling for Targeted Cancer Therapy
	FISH Applications in Breast and Ovarian Cancer
	NGS for Chromosome Mutations and Rearrangements
	Cytogenetics in Predicting Chromosomal Abnormalities
	Cytogenetics in Chromosome Instability in Neurodegenerative Diseases
	Cytogenetic Biomarkers in Targeted Cancer Therapy
	Cytogenetics techniques in cancer and genetic diseases


CO-ORDINATOR

Mrs Chaithra K


HOD

Dr. Padmaa M Paarakh


PRINCIPAL

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Course on Advances in Cytogenetic Techniques

(Course Code: ACGT 2023-24)

Session Plan

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1	13.01.2024	Saturday	1:30 - 2:30PM	Inaugural	Mrs. Chaithra K.
2	13.01.2024	Saturday	2:30 - 3:30PM	Module 1	Mrs. Chaithra K.
3	20.01.2024	Saturday	1:30 - 2:30PM	Module 1	Mrs. Chaithra K.
4	20.01.2024	Saturday	2:30 - 3:30PM	Module 1	Mrs. Chaithra K.
5	22.01.2024	Monday	4:00- 5:00PM	Module 1	Mrs. Chaithra K.
6	27.01.2024	Saturday	1:30 - 2:30PM	Module 1	Mrs. Chaithra K.
7	27.01.2024	Saturday	2:30 - 3:30PM	Module 1	Mrs. Chaithra K.
8	29-01-2024	Monday	4:00- 5:00PM	Module 1	Mrs. Chaithra K.
9	03-02-2024	Saturday	1:30 - 2:30PM	Module 1	Mrs. Chaithra K.
10	03-02-2024	Saturday	2:30 - 3:30PM	Module 1	Mrs. Chaithra K.
11	05-02-2024	Monday	4:00- 5:00PM	Module 1	Mrs. Chaithra K.
12	10-02-2024	Saturday	1:30 - 2:30PM	Module 1	Mrs. Chaithra K.
13	10-02-2024	Saturday	2:30 - 3:30PM	Module 1	Mrs. Chaithra K.
14	12-02-2024	Monday	4:00- 5:00PM	Module 1	Mrs. Chaithra K.
15	17-02-2024	Saturday	1:30 - 2:30PM	Module 1	Mrs. Chaithra K.
16	17-02-2024	Saturday	2:30 - 3:30PM	Module 2	Mrs. Chaithra K.
17	19-02-2024	Monday	4:00- 5:00PM	Module 2	Mrs. Chaithra K.
18	24-02-2024	Saturday	1:30 - 2:30PM	Module 2	Mrs. Chaithra K.
19	24-02-2024	Saturday	2:30 - 3:30PM	Module 2	Mrs. Chaithra K.
20	02-03-2024	Saturday	1:30 - 2:30PM	Module 2	Mrs. Chaithra K.
21	02-03-2024	Saturday	2:30 - 3:30PM	Module 2	Mrs. Chaithra K.
22	04-03-2024	Monday	4:00- 5:00PM	Module 2	Mrs. Chaithra K.
23	09-03-2024	Saturday	1:30 - 2:30PM	Module 2	Mrs. Chaithra K.
24	09-03-2024	Saturday	2:30 - 3:30PM	Module 2	Mrs. Chaithra K.
25	11-03-2024	Monday	4:00- 5:00PM	Module 2	Mrs. Chaithra K.
26	16-03-2024	Saturday	1:30 - 2:30PM	Module 2	Mrs. Chaithra K.
27	16-03-2024	Saturday	2:30 - 3:30PM	Module 2	Mrs. Chaithra K.
28	01-04-2024	Monday	4:00- 5:00PM	Module 2	Mrs. Chaithra K.
29	06-04-2024	Saturday	1:30 - 2:30PM	Module 2	Mrs. Chaithra K.
30	06-04-2024	Saturday	2:30 - 3:30PM	Module 2	Mrs. Chaithra K.
31	08-04-2024	Monday	4:00- 5:00PM	Valedictory function	Mrs. Chaithra K.

Chaithra K
COURSE CO-ORDINATOR

Mrs Chaithra K

Dr. Padma M Paarakh
HOD

Dr. Padma M Paarakh

Dr. Padma M Paarakh
PRINCIPAL

Dr. Padma M Paarakh



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The Oxford College of Pharmacy

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Course on Advances in Cytogenetic Techniques

(Course Code: ACGT 2023-24)

Completion Report

The Department of Pharmacognosy, The Oxford College of Pharmacy, Bangalore, conducted Course on Advances in Cytogenetic Techniques (Course Code: ACGT 2023-24) for the academic year 2023-24. This course offers the knowledge on Cytogenetic Techniques. It also helps in better understanding of various techniques in diagnosis of genetic variation in analyzing the diseases.

The course was started with a formal inaugural function by welcoming the Principal Dr. Padmaa M Paarakh. The Function was conducted at Room No -501 and all the participants were introduced by Course Coordinator Mrs Chaithra K. Total 22 students were present. Our principal had emphasized on the importance of doing such courses in academics as well as in future also. The inaugural function has been summed up with the introductory lecture of course coordinator.

A total thirty-hour course had been conducted after college hours on Saturday and Monday. Total 22 students have enrolled for this course.

The syllabus of the course had been divided into two modules. After the completion of each module test was conducted, and overall test was conducted after the completion of the course.

The results of the tests conducted for the two modules and overall were analysed. Approximately 56.00 % students scored grade A (Marks percentage 95-100%) in all the tests followed by 37.33% who scored grade B (Marks percentage 90-94%) and 6.6% scored grade C (Marks percentage 85-89%). The performance of the students in the tests were found excellent. About ninety percent of the students had secured excellent grades in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes.

The valedictory function has been conducted on 08.04.2024 and the participation certificate were distributed to all 22 students by Principal Dr. Padmaa M Paarakh. The coordinator had thanked Principal and management for providing best infrastructure for carrying out such courses in future also. The guest of the valedictory function, Dr Padmaa M Paarakh, Principal, had appreciated the enthusiasm of the students in this course and Congratulate the Department of Pharmacognosy and the course coordinator, Mrs Chaithra K for successful completion of course.


CO-ORDINATOR

Mrs Chaithra K


HOD

Dr. Padmaa M Paarakh


PRINCIPAL

Dr. Padmaa M Paarakh



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Course on Advances in Cytogenetic Techniques

(Course Code: ACGT2023-24)

OUTCOME REPORT

The Department of Pharmacognosy, The Oxford College of Pharmacy, Bangalore-560 068, completed Course on Advances in Cytogenetic Techniques (Course Code: ACGT2023-24). About 22 students were registered and the course was conducted for 30 hours. This course offers the knowledge on various cytogenetic techniques. It also helps to know the role of cytogenetic techniques in diagnosing genetic disorders, cancer genetics, prenatal screening, and personalized medicine.

OUTCOMES: At the end of this course students were able to

- This course provides an overview of various cytogenetic techniques.
- This course will provide individuals with the knowledge on advanced cytogenetic techniques like FISH, CGH, and NGS for clinical and research purposes and also in identifying various genetic disorders.

The students were satisfied and were keen to attend such programs in future.


CO-ORDINATOR

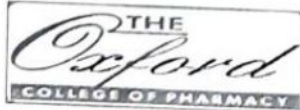
Mrs. Chaithra K


HOD

Dr. Padmaa M Paarakh


PRINCIPAL

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6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./M^s. ANU. R of IInd YR Pharm. D
has successfully completed course on *Advances in Cytogenetic Techniques* by
Department of Pharmacognosy, held at The Oxford College of Pharmacy,
Bengaluru, Karnataka for the academic year 2023-2024.

P. Padma
Dr. PADMAA M PAARAKH

PRINCIPAL & HOD, Dept. of
Pharmacognosy

Chaitra K
Mrs Chaithra K

COURSE CO-ORDINATOR



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6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. J. Jeevitha of Pharm.D IInd Year
has successfully completed course on *Advances in Cytogenetic Techniques* by
Department of Pharmacognosy, held at The Oxford College of Pharmacy,
Bengaluru, Karnataka for the academic year 2023-2024.

P. Padma

Dr. PADMAA M PAARAKH

PRINCIPAL & HOD, Dept. of
Pharmacognosy

Chaitra

Mrs Chaithra K

COURSE CO-ORDINATOR



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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. Lakshmi . P of IInd Yr Pharm . D
has successfully completed course on *Advances in Cytogenetic Techniques* by
Department of Pharmacognosy, held at The Oxford College of Pharmacy,
Bengaluru, Karnataka for the academic year 2023-2024.

P. Padma

Dr. PADMAA M PAARAKH

PRINCIPAL & HOD, Dept. of
Pharmacognosy

Chaitra K

Mrs Chaithra K

COURSE CO-ORDINATOR



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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. Savitha Tv of IInd YR Pharm.D
has successfully completed course on *Advances in Cytogenetic Techniques* by
Department of Pharmacognosy, held at The Oxford College of Pharmacy,
Bengaluru, Karnataka for the academic year 2023-2024.

P. Padma

Dr. PADMAA M PAARAKH

PRINCIPAL & HOD, Dept. of
Pharmacognosy

Y.L.K.

Mrs Chaithra K

COURSE CO-ORDINATOR



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6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. Uday Saha of 2nd yr Pharm D
has successfully completed course on *Advances in Cytogenetic Techniques* by
Department of Pharmacognosy, held at The Oxford College of Pharmacy,
Bengaluru, Karnataka for the academic year 2023-2024.

P. Padma

Dr. PADMAA M PAARAKH

PRINCIPAL & HOD, Dept. of
Pharmacognosy

Chaitra K

Mrs Chaithra K

COURSE CO-ORDINATOR



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**COURSE ON CONSERVATION OF EBONY AND RED SANDAL WOOD (ENDANGERED
PLANT SPECIES)**

(Course Code: CERSEPS2023-24)

Notice

Date: 01.01.2024

To

Notice Board

To be read in the class rooms


Course Coordinator- Mrs. Pavithra Devi. R,

To be filed

The Oxford College of Pharmacy, Bangalore introduces a 30 hours course on **CONSERVATION OF EBONY AND RED SANDAL WOOD (ENDANGERED PLANT SPECIES)** for the academic year 2023-24, for the benefit of B. Pharm students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from 8st January 2024 and will be conducted every Monday and Saturday after the regular classes. The eligibility criteria include students pursuing Pharmacy degree that is B. Pharm. Interested students can enroll with Mrs. Pavithra Devi. R, Course coordinator on or before 4th January 2024.


COORDINATOR
Mrs. Pavithra Devi. R


HOD
Dr Padmaa M. Paarakh


PRINCIPAL
Dr Padmaa M. Paarakh



No.6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru -560 068
☎: +91- 80 - 61754694; Fax: +91- 80 -61754699; www.theoxford.edu
e-mail: pharmacyprincipal@theoxford.edu; info@theoxford.edu;

Course On

**CONSERVATION OF
EBONY AND RED SANDAL
WOOD (ENDANGERED
PLANT SPECIES)**



Organized by
**THE OXFORD COLLEGE
OF PHARMACY**

Department of Pharmacognosy,
1st Main Road., Hongasandra,
Bengaluru, Karnataka -560 068

Important Dates

Duration: 30 hours
Last date for registration: 4th Jan 2024
Date of commencement: 8th Jan 2024
Final Examination : May 2024

**THE OXFORD COLLEGE OF
PHARMACY**

The Oxford College of Pharmacy (TOCP) was established in 1992. TOCP under the aegis of Children's Education Society (R) offers D. Pharm, B. Pharm, M. Pharm, Pharm. D, and Pharm. D (Post Baccalaureate) programs. TOCP is recognized by the Government of Karnataka, affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, and Drug Control Board, Karnataka respectively, and Pharmacy Council of India, New Delhi. TOCP has excellent infrastructure in terms of sophisticated instruments, laboratories, lecture halls, etc.

ELIGIBILITY CRITERIA

Students Pursuing Pharmacy Degree i.e.,
B. Pharm.

Organizing Committee

Chairperson	Dr. Padmaa M Paarakh, Principal, TOCP, Bengaluru.
Course Co-ordinator	Mrs. Pavithra Devi. R Dept. of Pharmacognosy TOCP, Bengaluru.

For Further Information Contact

Mrs. Pavithra Devi. R
Assistant Professor,
Department of Pharmacognosy,
TOCP, Bengaluru.
Email:
devipharma02@gmail.com

REGISTRATION

Registration Fees	NIL It is a free course offered by The Oxford College of Pharmacy, Bengaluru-68
Contact person for registration	Mrs.Pavithra Devi.R Course Co-ordinator 8618064372

STRUCTURE

- Course will be conducted for total 30 hours after the college hours.
- Every Monday and Saturday after the college hours.

COURSE DESCRIPTION

The Department of Pharmacognosy, TOCP, Bengaluru introduces a thirty hours course on Conservation of ebony and red sandal wood (endangered plant species) (**Course code: CERSEPS 2023-24**). This course offers the basic knowledge about Conservation of ebony and red sandal wood endangered plant species.

OBJECTIVES OF THE PROGRAM

- To gain knowledge about the protection of endangered species.
- To gain knowledge about the reforestation initiatives, community engagement and livelihood improvements.
- The present course is aimed towards a better understanding of the basic concepts of research monitoring, education and awareness campagnas, collaboration with stake holders

DURATION

30 hours beginning from 08th Jan 2024

OUTCOME

- This course provides an overview of Successful reforestation projects that increase the populations of ebony and red sandalwood, contributing to biodiversity and ecosystem stability.
- To understand the Greater awareness and involvement of communities in conservation efforts.
- To understand the Adoption of sustainable harvesting practices by local communities, leading to a balanced use of resources and improved ecological health.

REGISTRATION PROCESS

Students can directly contact respective course co-ordinator.

FINAL ASSESSMENT

Final exam will be conducted at the end of the syllabus.



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Approved by Pharmacy Council of India, New Delhi)


COURSE ON CONSERVATION OF EBONY AND RED SANDAL WOOD (ENDANGERED PLANT SPECIES)


(Course Code: CERSEPS2023-24)

List of students

S. No.	Name of the Students	Signature
1.	ARYA KRISHNA	Arya
2.	BANU PRIYA D	BP
3.	BHUVANESHWARI C	Bhuvaneshwari C
4.	C POVINDHAR	Povindhar
5.	CHAITHRA K	Chaithra
6.	CHANDANA N	CHANDANA
7.	DEEPTHI R	Deepti R
8.	DHRUVA R NADIG	D.R. Nadig
9.	GAGANA.K	Gagana
10.	GIRESHA NAIDU M	G.N.M.


CO-ORDINATOR
Mrs. Pavithra Devi. R


HOD
Dr Padmaa M. Paarakh


PRINCIPAL
Dr Padmaa M. Paarakh



Children's Education Society (Regd.)
The Oxford College of Pharmacy

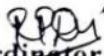
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**COURSE ON CONSERVATION OF EBONY AND RED SANDAL WOOD (ENDANGERED
PLANT SPECIES)**


(Course Code: CERSEPS2023-24)

Syllabus

Module	Chapter/Topic
Module 1	Introduction to Ebony and Red Sandalwood
	Historical uses and significance, Impact of demand on populations
	Threats to Conservation
	Overexploitation, Illegal logging and trade, Market demand and its impact
	Habitat Loss, Deforestation and land-use changes
	Climate change effects
	Legal and Policy Frameworks
	Enforcement Challenges
Module 2	Sustainable Harvesting Techniques
	Alternatives to Ebony and Red Sandalwood
	Community Involvement,
	Engaging Local Communities
	Restoration and Reforestation
	Research and Monitoring
	Eco-tourism and other economic opportunities
	Awareness and Education
Campaigns and Advocacy, Building a Conservation Ethic	


Coordinator
Mrs. Pavithra Devi. R


HOD
Dr Padmaa M. Paarakh


PRINCIPAL
Dr Padmaa M. Paarakh



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COURSE ON CONSERVATION OF EBONY AND RED SANDAL WOOD (ENDANGERED PLANT SPECIES)

(Course Code: CERSEPS2023-24)

Attendance Statement

S. No	Name of the student	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	Date of the Class	11/9	16/9	16/9	18/9	23/9	25/9	30/9	1/10	6/10	8/10	13/10	15/10	20/10	27/10	29/10
1	ARYA KRISHNA	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
2	BANU PRIYA D	BD	BD	BD	BD	BD	A	BD	BD	BD	BD	BD	BD	BD	BD	BD
3	BHUVANESHWARI C	Bh	Bh	Bh	Bh	Bh	Bh	Bh	Bh	A	Bh	Bh	Bh	Bh	A	Bh
4	C POVINDHAR	CP	CP	A	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
5	CHAITHRA K	C.K	C.K	C.K	C.K	C.K	C.K	C.K	C.K	C.K	C.K	C.K	A	C.K	C.K	C.K
6	CHANDANA N	Chande	Chande	Chande	Chande	Chande	Chande	Chande	Chande	Chande	Chande	Chande	Chande	Chande	Chande	A
7	DEEPTHI R	DR	DR	DR	DR	DR	DR	DR	DR	DR	DR	DR	DR	DR	DR	DR
8	DHRUVA R NADIG	NR	NR	NR	NR	NR	A	NR	NR	NR	NR	A	NR	NR	NR	NR
9	GAGANA.K	gagana	gagana	gagana	gagana	gagana	gagana	gagana	gagana	gagana	gagana	gagana	gagana	gagana	gagana	gagana
10	GIRESHA NAIDU M	G.N	G.N	G.N	G.N	G.N	G.N	G.N	G.N	G.N	A	G.N	G.N	G.N	G.N	G.N
	SIGNATURE															





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COURSE ON CONSERVATION OF EBONY AND RED SANDAL WOOD (ENDANGERED PLANT SPECIES)

(Course Code: CERSEPS2023-24)

Attendance Statement

S. No	Name of the student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Date of the Class	8/1	13/1	20/1	22/1	27/1	29/1	3/2	5/2	10/2	12/2	14/2	20/2	21/3	4/3	11/3
1	ARYA KRISHNA	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
2	BANU PRIYA D	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD
3	BHUVANESHWARI C	Bh	Bh	Bh	Bh	Bh	Bh	Bh	A	Bh	Bh	Bh	Bh	Bh	Bh	Bh
4	C POVINDHAR	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
5	CHAITHRA K	C.K	C.K	C.K	C.K	C.K	C.K	C.K	C.K	C.K	C.K	C.K	C.K	C.K	C.K	C.K
6	CHANDANA N	Chanda	Chanda	Chanda	A	Chanda	Chanda	Chanda	Chanda	Chanda	Chanda	Chanda	Chanda	Chanda	Chanda	Chanda
7	DEEPTHI R	DR	DR	DR	DR	DR	DR	DR	DR	DR	DR	DR	DR	DR	DR	DR
8	DHRUVA R NADIG	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	A	NR	NR	NR	NR
9	GAGANA.K	Gagana	Gagana	Gagana	Gagana	Gagana	Gagana	Gagana	Gagana	Gagana	Gagana	Gagana	Gagana	Gagana	Gagana	Gagana
10	GIRESHA NAIDU M	G.N	G.N	G.N	G.N	G.N	A	G.N	G.N	G.N	G.N	G.N	G.N	G.N	G.N	G.N
	SIGNATURE	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP



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COURSE ON CONSERVATION OF EBONY AND RED SANDAL WOOD (ENDANGERED PLANT SPECIES)

(Course Code: CERSEPS2023-24)

SESSION PLAN

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1	08-01-2024	Monday	4:30-5:30 PM	INAUGURATION and Module-I	Dr. Padmaa. M. Paarakh Mrs. Pavithra Devi. R
2	13-01-2024	Saturday	1:30-2:30 PM	Module I	Mrs. Pavithra Devi. R
3.	20-01-2024	Saturday	1:30-2:30 PM	Module I	Mrs. Pavithra Devi. R
4.	22-01-2024	Monday	4:30-5:30 PM	Module I	Mrs. Pavithra Devi. R
5.	27-01-2024	Saturday	1:30-2:30 PM	Module I	Mrs. Pavithra Devi. R
6.	29-01-2024	Monday	4:30-5:30 PM	Module I	Mrs. Pavithra Devi. R
7.	03-02-2024	Saturday	1:30-2:30 PM	Module I	Mrs. Pavithra Devi. R
8.	05-02-2024	Monday	4:30-5:30 PM	Module I	Mrs. Pavithra Devi. R
9.	10-02-2024	Saturday	1:30-2:30 PM	Module I	Mrs. Pavithra Devi. R
10.	12-02-2024	Monday	4:30-5:30 PM	Module I	Mrs. Pavithra Devi. R
11.	17-02-2024	Saturday	1:30-2:30 PM	Module I	Mrs. Pavithra Devi. R
12.	26-02-2024	Monday	4:30-5:30 PM	Module I	Mrs. Pavithra Devi. R
13.	02-03-2024	Saturday	1:30-2:30 PM	Module I	Mrs. Pavithra Devi. R
14.	04-03-2024	Monday	4:30-5:30 PM	Module I	Mrs. Pavithra Devi. R
15.	09-03-2024	Saturday	1:30-2:30 PM	Module I	Mrs. Pavithra Devi. R
16.	11-03-2024	Monday	4:30-5:30 PM	Module II	Mrs. Pavithra Devi. R
17.	16-03-2024	Saturday	1:30-2:30 PM	Module II	Mrs. Pavithra Devi. R
18.	18-03-2024	Monday	4:30-5:30 PM	Module II	Mrs. Pavithra Devi. R
19.	23-03-2024	Saturday	1:30-2:30 PM	Module II	Mrs. Pavithra Devi. R
20.	25-03-2024	Monday	4:30-5:30 PM	Module II	Mrs. Pavithra Devi. R
21.	30-03-2024	Saturday	1:30-2:30 PM	Module II	Mrs. Pavithra Devi. R



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22.	01-04-2024	Monday	4:30-5:30 PM	Module II	Mrs. Pavithra Devi. R
23.	06-04-2024	Saturday	1:30-2:30 PM	Module II	Mrs. Pavithra Devi. R
24.	08-04-2024	Monday	4:30-5:30 PM	Module II	Mrs. Pavithra Devi. R
25.	13-04-2024	Saturday	1:30-2:30 PM	Module II	Mrs. Pavithra Devi. R
26.	15-04-2024	Monday	4:30-5:30 PM	Module II	Mrs. Pavithra Devi. R
27.	20-04-2024	Saturday	1:30-2:30 PM	Module II	Mrs. Pavithra Devi. R
28.	22-04-2024	Monday	4:30-5:30 PM	Module II	Mrs. Pavithra Devi. R
29.	27-04-2024	Saturday	1:30-2:30 PM	Module II	Mrs. Pavithra Devi. R
30.	29-04-2024	Monday	4:30-5:30 PM	Module II	Mrs. Pavithra Devi. R
31.	04-05-2024	Saturday	1:30-2:30 PM	VALEDICTORY	Dr. Padmaa. M. Paarakh Mrs. Pavithra Devi. R


CO-ORDINATORS

Mrs. Pavithra Devi. R


HOD

Dr. Padmaa M. Paarakh


PRINCIPAL

Dr. Padmaa M. Paarakh



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COURSE ON CONSERVATION OF EBONY AND RED SANDAL WOOD (ENDANGERED

PLANT SPECIES)

(Course Code: CERSEPS2023-24)

Completion Report

The Department of Pharmacognosy, The Oxford college of Pharmacy, Bangalore, conducted a Course on Conservation of Ebony and Red Sandal Wood (Endangered Plant Species) (Course Code: CERSEPS2023-24) for the academic year 2023-24. The course was intended to impart knowledge to the students about the basics of Conservation of Ebony and Red Sandal Wood Endangered Plant Species and knowledge about the protection of endangered species and reforestation initiatives, community engagement and livelihood improvements

The course was started with an inaugural function by welcoming the Principal Dr Padmaa M Paarakh. The function was conducted at Room No 507 and all the participants were introduced by Course Coordinators Mrs Pavithra Devi. R. Total 10 students were present. Our principal had emphasized on the importance of doing such courses for betterment of their future. The inaugural function has been summed up with the introductory lecture of course coordinator Mrs. Pavithra Devi. R

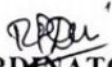
A total thirty hours course had been conducted after the college hours of every Monday and Saturday.


The syllabus of the course had been divided into two modules. After the completion of each modules an internal assessment was conducted and overall test was conducted after the completion of the course.


The results of module I, II, and overall were analysed. Approximately 40 % students scored grade A (marks percentage-100%) in all the tests followed by 30% who scored grade B (marks percentage-90%) and 20% scored grade C (marks percentage-80%) and 10% scored grade D (marks percentage-70 and below %).

The performance of the students in the tests were found excellent. About ninety percent of the students had secured excellent grades in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes.

The valedictory function has been conducted on 04/05/2024 and the course participation certificates were distributed to all 10 students by the Principal & Head of the Department Dr. Padmaa M Paarakh, and we had thanked management for providing best infrastructure for carrying out such courses. Behalf of department she promised to carry out such courses in future also. The guest of the valedictory function, Dr Padmaa M Paarakh, Principal, had appreciated the enthusiasm of the students in this course and Congratulate the Department of Pharmacognosy and the course co-ordinator Mrs Pavithra Devi. R for successful completion of the course.


CO-ORDINATOR
Mrs. Pavithra Devi. R


HOD
Dr Padmaa M. Paarakh


PRINCIPAL
Dr Padmaa M. Paarakh



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COURSE ON CONSERVATION OF EBONY AND RED SANDAL WOOD (ENDANGERED
PLANT SPECIES)

(Course Code: CERSEPS2023-24)

OUTCOME REPORT

The Department of Pharmacognosy, The Oxford College of Pharmacy, Bangalore- 560068, completed a course on **Conservation of Ebony and Red Sandal Wood (Endangered Plant Species)** 2023-24 (course code: CERSEPS2023-24). 10 students were registered and the course was conducted for 30 hours. The course outcome is to understand Conservation of Ebony and Red Sandal Wood (Endangered Plant Species).

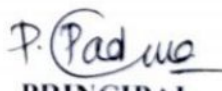
Outcomes: At the end of this course students were able to

- This course provides an overview of Successful reforestation projects that increase the populations of ebony and red sandalwood, contributing to biodiversity and ecosystem stability.
- To understand the Greater awareness and involvement of communities in conservation efforts.
- To understand the Adoption of sustainable harvesting practices by local communities, leading to a balanced use of resources and improved ecological health.

The students were satisfied and were keen to attend such programs in future.


CO-ORDINATORS
Mrs. Pavithra Devi. R


HOD
Dr. Padmaa M. Paarakh


PRINCIPAL
Dr. Padmaa M. Paarakh



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. C. Povindhar of VIIth SEM. B.Pharm year has undergone a course on Conservation of Ebony and Red Sandal wood (Endangered Plant Species) held at the Department of Pharmacognosy, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR

Mrs. Pavithra Devi. R
Dept of Pharmacognosy
The Oxford College of
Pharmacy


HOD

Dr. PADMAA M PAARAKH
Dept of Pharmacognosy
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Chaitra.K of VIIth SEM B.Pharm year has undergone a course on Conservation of Ebony and Red Sandal wood (Endangered Plant Species) held at the Department of Pharmacognosy, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR

Mrs. Pavithra Devi. R
Dept of Pharmacognosy
The Oxford College of
Pharmacy


HOD

Dr. PADMAA M PAARAKH
Dept of Pharmacognosy
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Deepthi R of VIIth SEM B.Pharm year has undergone a course on Conservation of Ebony and Red Sandal wood (Endangered Plant Species) held at the Department of Pharmacognosy, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR

Mrs. Pavithra Devi. R
Dept of Pharmacognosy
The Oxford College of
Pharmacy


HOD

Dr. PADMAA M PAARAKH
Dept of Pharmacognosy
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Gagana .K of VIIth B.Pharm year has undergone a course on Conservation of Ebony and Red Sandal wood (Endangered Plant Species) held at the Department of Pharmacognosy, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR

Mrs. Pavithra Devi. R
Dept of Pharmacognosy
The Oxford College of
Pharmacy


HOD

Dr. PADMAA M PAARAKH
Dept of Pharmacognosy
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Banu Priya. D of VIIth SEM B.Pharm year has undergone a course on Conservation of Ebony and Red Sandal wood (Endangered Plant Species) held at the Department of Pharmacognosy, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR

Mrs. Pavithra Devi. R
Dept of Pharmacognosy
The Oxford College of
Pharmacy


HOD

Dr. PADMAA M PAARAKH
Dept of Pharmacognosy
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
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COURSE ON MYCOLOGY AND PLANT PATHOLOGY OF ASHWAGANDHA AND TULSI

(Course Code: MPPAO2023-24)

Notice

Date: 15.07.2024

To

Notice Board

To be read in the class rooms

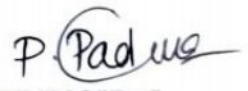
Course Coordinator- Mrs. Pavithra Devi. R,

To be filed

The Oxford College of Pharmacy, Bangalore introduces a 30 hours course on **MYCOLOGY AND PLANT PATHOLOGY OF ASHWAGANDHA AND TULSI** for the academic year 2023-24, for the benefit of B. Pharm. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from 20th July 2024 and will be conducted every Monday and Saturday after the regular classes. The eligibility criteria include students pursuing Pharmacy degree, that is B. Pharm. Interested students can enroll with Mrs. Pavithra Devi. R, Course coordinator on or before 18th July 2024.


COORDINATOR
Mrs. Pavithra Devi. R


HOD
Dr Padmaa M. Paarakh


PRINCIPAL
Dr Padmaa M. Paarakh



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e-mail: pharmacyprincipal@theoxford.edu; info@theoxford.edu;

Organizing Committee

Chairperson	Dr. Padmaa M Paarakh, Principal, TOCP, Bengaluru.
Course Co-ordinator	Mrs. Pavithra Devi. R Dept. of Pharmacognosy TOCP, Bengaluru.

For Further Information Contact

Mrs. Pavithra Devi. R
Assistant Professor,
Department of Pharmacognosy,
TOCP, Bengaluru.
Email:
devipharma02@gmail.com

THE OXFORD COLLEGE OF PHARMACY

The Oxford College of Pharmacy (TOCP) was established in 1992. TOCP under the aegis of Children's Education Society (R) offers D. Pharm, B. Pharm, M. Pharm, Pharm. D, and Pharm. D (Post Baccalaureate) programs. TOCP is recognized by the Government of Karnataka, affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, and Drug Control Board, Karnataka respectively, and Pharmacy Council of India, New Delhi. TOCP has excellent infrastructure in terms of sophisticated instruments, laboratories, lecture halls, etc.

ELIGIBILITY CRITERIA

Students Pursuing Pharmacy Degree
i.e., B. Pharm. Students

Course On "MYCOLOGY AND PLANT PATHOLOGY OF ASHWAGANDHA AND TULSI"



Organized by **THE OXFORD COLLEGE OF PHARMACY**

Department of Pharmacognosy,
1st Main Road., Hongasandra,
Bengaluru, Karnataka -560 068

Important Dates

Duration: 30 hours
Last date for registration: 18th July 2024
Date of commencement: 20th July 2024
Final Examination : October 2024

REGISTRATION

Registration Fees	NIL It is a free course offered by The Oxford College of Pharmacy, Bengaluru-68
Contact person for registration	Mrs.Pavithra Devi.R Course Co-ordinator 8618064372

STRUCTURE

- Course will be conducted for total 30 hours after the college hours.
- Every Monday and Saturday after the college hours.

COURSE DESCRIPTION

The Department of Pharmacognosy, TOCP, Bengaluru introduces a thirty hours course on **MYCOLOGY AND PLANT PATHOLOGY OF ASHWAGANDHA AND TULSI (Course code: MPPAO 2023-24)**. This course offers the basic knowledge about Mycology and Plant Pathology of Tulsi and Ashwagandha

OBJECTIVES OF THE PROGRAM

- To gain knowledge about the Explore the fundamental concepts of mycology, including fungal morphology, physiology, and life cycles.
- Examine the principles of plant pathology, including disease development, host-pathogen interactions, and disease management.
- To gain knowledge about the Identify and analyze the fungal pathogens affecting Ashwagandha and Tulsi.
- Discuss integrated pest management and sustainable practices for disease control in these plants.

DURATION

30 hours beginning from 20th July 2024

OUTCOME

- This course provides an overview Understand the interactions between these plants and their fungal pathogens.
- To understand the Develop and apply effective management practices for controlling fungal diseases.
- To understand the advocate for sustainable agricultural practices that minimize fungal diseases while enhancing crop yield.

REGISTRATION PROCESS

Students can directly contact respective course co-ordinator.

FINAL ASSESSMENT

Final exam will be conducted at the end of the syllabus.



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COURSE ON MYCOLOGY AND PLANT PATHOLOGY OF ASHWAGANDHA AND TULSI

(Course Code: MPPAO2023-24)

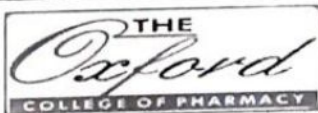
List of students

S. No.	Name of the Students	Signature
1.	GOWTHAM GOWDA M R	
2.	HARI KISHOR	
3.	HARITHA R	
4.	HRUTHIKA B	
5.	IYSWARYA. G. M	
6.	KARTHIK	
7.	KAVYA P REDDY	
8.	KIRAN G M	
9.	KRUTHIC REVANTH	
10.	KRUTHIKA S. G	

CO-ORDINATOR
Mrs. Pavithra Devi. R

HOD
Dr Padmaa M. Paarakh

PRINCIPAL
Dr Padmaa M. Paarakh



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COURSE ON MYCOLOGY AND PLANT PATHOLOGY OF ASHWAGANDHA AND TULSI

(Course Code: MPPAO2023-24)

Attendance Statement

S. No	Name of the student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Date of the Class	20/7	20/7	22/7	27/7	27/7	29/7	3/8	3/8	5/8	10/8	10/8	12/8	17/8	17/8	24/8
1	GOWTHAM GOWDA M R	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	A	Gi	Gi	Gi	Gi
2	HARI KISHOR	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
3	HARITHA R	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
4	HRUTHIKA B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
5	IYSWARYA. G. M	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	A	Gi	Gi
6	KARTHIK	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi
7	KAVYA P REDDY	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
8	KIRAN G M	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
9	KRUTHIC REVANTH	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi
10	KRUTHIKA S. G	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	SIGNATURE	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD



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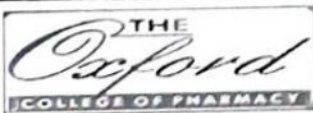
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COURSE ON MYCOLOGY AND PLANT PATHOLOGY OF ASHWAGANDHA AND OCIMUM

SANCTUM

(Course Code: MPPAO2023-24)

S. No	Name of the student	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	Date of the Class	16/8	26/8	31/8	2/9	2/9	09/9	16/9	23/9	21/9	29/9	28/9	28/9	30/9	30/9	5/10
1	GOWTHAM GOWDA M R	Ci	Ci	Ci	Ci	Ci	Ci	Ci	Ci	Ci	Ci	Ci	Ci	Ci	A	Ci
2	HARI KISHOR	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h
3	HARITHA R	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h
4	HRUTHIKA B	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h
5	IYSWARYA. G. M	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
6	KARTHIK	k	k	k	k	k	k	k	k	k	k	k	k	k	A	k
7	KAVYA P REDDY	k	k	k	k	k	k	k	k	k	k	k	k	k	k	k
8	KIRAN G M	k	k	k	k	k	k	k	k	k	k	k	k	k	k	k
9	KRUTHIC REVANTH	k	k	k	k	k	k	k	k	k	k	k	k	k	k	k
10	KRUTHIKA S. G	k	k	k	k	k	k	k	k	k	k	k	k	k	k	k
	SIGNATURE	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP




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COURSE ON MYCOLOGY AND PLANT PATHOLOGY OF ASHWAGANDHA AND TULSI
(Course Code: MPPAO2023-24)

Syllabus

Module	Chapter/Topic
Module 1	Introduction to Mycology and Plant Pathology
	Morphology and Biology of Fungi
	Life cycles of fungi: sexual and asexual reproduction.
	Ashwagandha: Botanical Characteristics
	Taxonomy and distribution of Ashwagandha.
	Growth conditions and cultivation practices.
	Medicinal uses and bioactive compounds.
	Pathogens Affecting Ashwagandha
	Symptoms and signs of fungal infections.
	Environmental factors influencing disease prevalence.
Module 2	Tulsi: Botanical Characteristics
	Pathogens Affecting Tulsi
	Symptoms and signs of fungal infections.
	Impact of diseases on plant quality and yield.
	Diagnosis of Plant Diseases
	Techniques for diagnosing fungal diseases.
	Use of molecular methods in plant pathology.
	Integrated Disease Management (IDM)
	Principles of IDM: prevention and control strategies.
	Cultural, biological, and chemical control methods.
Role of organic practices in disease management.	


Coordinator
Mrs. Pavithra Devi. R


HOD
Dr Padmaa M. Paarakh


PRINCIPAL
Dr Padmaa M. Paarakh

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COURSE ON MYCOLOGY AND PLANT PATHOLOGY OF ASHWAGANDHA AND TULSI (Course Code: MPPAO2023-24)

SESSION PLAN

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1	20.07.2024	Saturday	1:30 – 2:30PM	INAUGURATION and Module-I	Dr. Padmaa. M. Paarakh Mrs. Pavithra Devi. R
2	20.07.2024	Saturday	2:30 -3:30PM	Module I	Mrs. Pavithra Devi. R
3.	22.07.2024	Monday	4:00- 5:00PM	Module I	Mrs. Pavithra Devi. R
4.	27.07.2024	Saturday	1:30 – 2:30PM	Module I	Mrs. Pavithra Devi. R
5.	27.07.2024	Saturday	2:30 -3:30PM	Module I	Mrs. Pavithra Devi. R
6.	29.07.2024	Monday	4:00- 5:00PM	Module I	Mrs. Pavithra Devi. R
7.	03.08.2024	Saturday	1:30 – 2:30PM	Module I	Mrs. Pavithra Devi. R
8.	03.08.2024	Saturday	2:30 -3:30PM	Module I	Mrs. Pavithra Devi. R
9.	05.08.2024	Monday	4:00- 5:00PM	Module I	Mrs. Pavithra Devi. R
10.	10.08.2024	Saturday	1:30 – 2:30PM	Module I	Mrs. Pavithra Devi. R
11.	10.08.2024	Saturday	2:30 -3:30PM	Module I	Mrs. Pavithra Devi. R
12.	12.08.2024	Monday	4:00- 5:00PM	Module I	Mrs. Pavithra Devi. R
13.	17.08.2024	Saturday	1:30 – 2:30PM	Module I	Mrs. Pavithra Devi. R
14.	17.08.2024	Saturday	2:30 -3:30PM	Module I	Mrs. Pavithra Devi. R
15.	24.08.2024	Saturday	1:30 – 2:30PM	Module I	Mrs. Pavithra Devi. R
16.	24.08.2024	Saturday	2:30 -3:30PM	Module I	Mrs. Pavithra Devi. R
17.	26.08.2024	Monday	4:00- 5:00PM	Module I	Mrs. Pavithra Devi. R
18.	31.08.2024	Saturday	1:30 – 2:30PM	Module II	Mrs. Pavithra Devi. R
19.	31.08.2024	Saturday	2:30 -3:30PM	Module II	Mrs. Pavithra Devi. R
20.	02.09.2024	Monday	4:00- 5:00PM	Module II	Mrs. Pavithra Devi. R
21.	09.09.2024	Monday	4:00- 5:00PM	Module II	Mrs. Pavithra Devi. R



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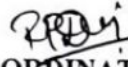
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22.	14.09.2024	Saturday	1:30 – 2:30PM	Module II	Mr. Annada Shankar Mohanty
23.	14.09.2024	Saturday	2:30 -3:30PM	Module II	Mrs. Pavithra Devi. R
24.	21.09.2024	Saturday	1:30 – 2:30PM	Module II	Mrs. Pavithra Devi. R
25.	21.09.2024	Saturday	2:30 -3:30PM	Module II	Mrs. Pavithra Devi. R
26.	23.09.2024	Monday	4:00- 5:00PM	Module II	Mrs. Pavithra Devi. R
27.	28.09.2024	Saturday	1:30 – 2:30PM	Module II	Mrs. Pavithra Devi. R
28.	28.09.2024	Saturday	2:30 -3:30PM	Module II	Mrs. Pavithra Devi. R
29.	30.09.2024	Monday	4:00- 5:00PM	Module II	Mrs. Pavithra Devi. R
30	05.10.2024	Saturday	1:30 – 2:30PM	Module II	Mrs. Pavithra Devi. R
31	05.10.2024	Saturday	2:30 -3:30PM	VALEDICTORY	Dr. Padmaa. M. Paarakh Mrs. Pavithra Devi. R


CO-ORDINATORS

Mrs. Pavithra Devi. R


HOD

Dr. Padmaa M. Paarakh


PRINCIPAL

Dr. Padmaa M. Paarakh



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COURSE ON MYCOLOGY AND PLANT PATHOLOGY OF ASHWAGANDHA AND TULSI

(Course Code: MPPAO2023-24)

Completion Report

The Department of Pharmacognosy, The Oxford college of Pharmacy, Bangalore, conducted a Course on **Mycology and Plant Pathology of Ashwagandha and Tulsi** (Course Code: MPPAO2023-24) for the academic year 2023-24. The course was intended to impart knowledge to the students about the basics of the fundamental concepts of mycology, including fungal morphology, physiology, and life cycles. Examine the principles of plant pathology, including disease development, host-pathogen interactions, and disease management.

The course was started with an inaugural function by welcoming the Principal Dr Padmaa M Paarakh. The function was conducted at Room NO-501 and all the participants were introduced by Course Coordinators Mrs Pavithra Devi. R. Total 10 students were present. Our principal had emphasized on the importance of doing such courses for betterment of their future. The inaugural function has been summed up with the introductory lecture of course coordinator Mrs. Pavithra Devi. R

A total thirty hours course had been conducted after the college hours of every Monday and Saturday.


The syllabus of the course had been divided into two modules. After the completion of each modules an internal assessment was conducted and overall test was conducted after the completion of the course.

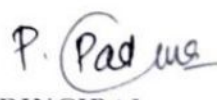
The results of module I, II, and overall were analysed. Approximately 40 % students scored grade A (marks percentage-100%) in all the tests followed by 30% who scored grade B (marks percentage-90%) and 20% scored grade C (marks percentage-80%) and 10% scored grade D (marks percentage-70 and below %).

The performance of the students in the tests were found excellent. About ninty percent of the students had secured excellent grades in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes.

The valedictory function has been conducted on 05/10/2024 and the course participation certificates were distributed to all 10 students by the Principal & Head of the Department Dr. Padmaa M Paarakh, and we had thanked management for providing best infrastructure for carrying out such courses. Behalf of department she promised to carry out such courses in future also. The guest of the valedictory function, Dr Padmaa M Paarakh, Principal, had appreciated the enthusiasm of the students in this course and Congratulate the Department of Pharmacognosy and the course co-ordinator Mrs Pavithra Devi. R for successful completion of the course.


CO-ORDINATOR
Mrs. Pavithra Devi. R


HOD
Dr Padmaa M. Paarakh


PRINCIPAL
Dr Padmaa M. Paarakh



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COURSE ON MYCOLOGY AND PLANT PATHOLOGY OF ASHWAGANDHA AND TULSI (Course Code: MPPAO2023-24)

OUTCOME REPORT

The Department of Pharmacognosy, The Oxford College of Pharmacy, Bangalore- 560068, completed a course on **Mycology and Plant Pathology of Ashwagandha and Tulsi** 2023-24 (course code: MPPAO2023-24). 10 students were registered and the course was conducted for 30 hours. The course outcome is to understand Mycology and Plant Pathology of Ashwagandha and Tulsi


Outcomes: At the end of this course students were able to

- This course provides an overview to understand the interactions between these plants and their fungal pathogens.
- To understand the Develop and apply effective management practices for controlling fungal diseases.
- To understand the advocate for sustainable agricultural practices that minimize fungal diseases while enhancing crop yield.

The students were satisfied and were keen to attend such programs in future.


CO-ORDINATORS
Mrs. Pavithra Devi. R


HOD
Dr. Padmaa M. Paarakh


PRINCIPAL
Dr. Padmaa M. Paarakh



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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Hari Kishor of VIIIth SEM B.Pharm year has undergone a course on Mycology and plant pathology of Ashwagandha and Tulsi held at the Department of Pharmacognosy, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR

Mrs. Pavithra Devi. R
Dept of Pharmacognosy
The Oxford College of
Pharmacy


HOD

Dr. PADMAA M PAARAKH
Dept of Pharmacognosy
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Karthik of
5th SEM B.Pharm year has undergone a course on Mycology and plant pathology
of Ashwagandha and Tulsi held at the Department of Pharmacognosy, The
Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year
2023-2024.


COURSE COORDINATOR

Mrs. Pavithra Devi. R
Dept of Pharmacognosy
The Oxford College of
Pharmacy


HOD

Dr. PADMAA M PAARAKH
Dept of Pharmacognosy
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Kiran G.M of VIIIth B.Pharm year has undergone a course on Mycology and plant pathology of Ashwagandha and Tulsi held at the Department of Pharmacognosy, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR

Mrs. Pavithra Devi. R
Dept of Pharmacognosy
The Oxford College of
Pharmacy


HOD

Dr. PADMAA M PAARAKH
Dept of Pharmacognosy
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Kruthika S.G of VIIIth B.Pharm year has undergone a course on Mycology and plant pathology of Ashwagandha and Tulsi held at the Department of Pharmacognosy, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR

Mrs. Pavithra Devi. R
Dept of Pharmacognosy
The Oxford College of
Pharmacy


HOD

Dr. PADMAA M PAARAKH
Dept of Pharmacognosy
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Haritha. R of VIIIth B.Pharm year has undergone a course on Mycology and plant pathology of Ashwagandha and Tulsi held at the Department of Pharmacognosy, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR

Mrs. Pavithra Devi. R
Dept of Pharmacognosy
The Oxford College of
Pharmacy


HOD

Dr. PADMAA M PAARAKH
Dept of Pharmacognosy
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
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COURSE ON ADVERSE EVENT REPORTING WITH EMPHASIS ON PV PRACTICE (COURSE CODE: AERPP 2023-24)

NOTICE

Date:13-07-2024

To

Notice Board

To be read in the class rooms

Course Co-ordinator-Dr Jeena Susan Saji

To be filed.

The Oxford College of Pharmacy, Bangalore introduces a 30 hours course on Adverse event reporting with emphasis on PV Practice for the academic year 2023-24 for the benefit of B.Pharm 2nd year students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from 19/07/2024 and will be conducted after college hours on Monday, Friday and Saturday. The eligibility criteria include students Pursuing Pharmacy Degree B.Pharm 2nd year. Interested students can enroll with Dr Jeena Susan Saji, course coordinator on or before 18th July 2024.

COURSE CO-ORDINATOR

Dr Jeena Susan Saji

HOD

Dr Parthasarathy G

PRINCIPAL

Dr Padmaa M Paarakh



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Organizing Committee

Chairperson	Dr. Padmaa M Paarakh, Principal, TOCP, Bangalore.
HOD	Dr G Parthasarathy Department of Pharmacy Practice TOCP, Bangalore.
Program Coordinator	Dr Jeena Susan Saji Department of Pharmacy Practice TOCP, Bangalore.

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ELIGIBILITY CRITERIA

Students Pursuing Pharmacy Degree
B.Pharm 2nd year.

Course
On

“ADVERSE EVENT REPORTING WITH EMPHASIS ON PV PRACTICE ”



Organized by

THE OXFORD COLLEGE OF PHARMACY

Department of Pharmacy Practice,
1st Main Rd, Hongasandra, Bengaluru,
Karnataka 560068

Duration: 30 hours

Last date for registration: 18.07.2024

Date of commencement : 19.07.2024

**Planned Examination : After completion
of 30 hour classes.**

For Further Information Contact

For Further Information Contact

Dr Jeena Susan Saji

Assistant Professor

Department of Pharmacy Practice

TOCP, Bangalore

Email:

jeenasusansaji1998@gmail.com

REGISTRATION

Registration Fees	NIL It is a free course offered by The Oxford College of Pharmacy Bangalore-68
Contact person for registration	Dr Jeena Susan Saji 9074795810

STRUCTURE

- Course will be conducted for 30 hours.
- Every Monday, Friday and Saturday after the college hours.

COURSE DESCRIPTION

The Department of Pharmacy Practice, TOCP, Bangalore introduces a thirty hours course on Adverse Event Reporting with Emphasis on PV Practice. (CourseCode: AERPP 2023-24). This course offers the necessary knowledge in various techniques used for ADR reporting and management

OBJECTIVES OF PROGRAM

- To develop the skills needed to improve the patient care and safety in use of medications and to improve the public health.
- To promote understanding, education and clinical training in ADR reporting and management and its effective communication to health professionals and public.
- Focusing of rational and safe use of medications.
- Learn ways to detect the unknown adverse reactions and interactions.
- Develop skills for the assessment of benefit, harm, effectiveness and risk of medicines.

FINAL ASSESSMENT

Final exams will be conducted at the end of the syllabus.

DURATION

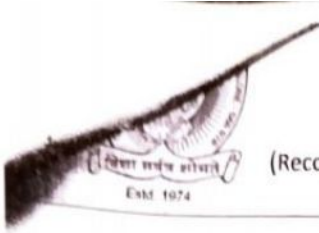
- Thirty hours.

OUTCOME

- Students will Understand and acquire the skills for reporting and management of ADR in the field of pharmacy.
- Students will acquire knowledge for finding out severe ADR which cannot be found out through clinical trials.
- This course helps to earn an opportunity to get a job in detection and reporting of ADR in the field of pharmacovigilance in various organizations.

REGISTRATION PROCESS

- Students can directly contact to the course coordinator Dr Jeena Susan Saji



COURSE ON ADVERSE EVENT REPORTING WITH EMPHASIS ON PV PRACTICE
(COURSE CODE:AERPP 2023-24)

REGISTRATION LIST

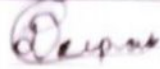


SINo.	Student Name	Signature
1	Kishan krupakar	
2	M B Tejaswini	
3	Sadik ahmed	
4	Tahir Azad zargar	
5	Akhil Reddy A	
6	A D Nandini	
7	Abdul azeez A	
8	Abhishek B. K	
9	Abrar Majeed Malik	
10	Aijaz Muhammad Bhat	
11	Amar	
12	Amulya.r	
13	N.Ananda	
14	Aniruddha Chakarborty	
15	Apoorva N	
16	S.Archana	
17	Chethan Kumar BG	
18	Chethan M	
19	Chethan N	
20	Chidananda.G	
21	Chiranjeevi	
22	Debasish Parida	


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Approved by Pharmacy Council of India, New Delhi)

23	Deepak kumar mahto	
24	Dharshini J	
25	Divya C K	


COURSE CO-ORDINATOR
Dr Jeena Susan Saji


HOD
Dr Parthasarathy G


PRINCIPAL
Dr Padmaa M Paarakh



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COURSE ON ADVERSE EVENT REPORTING WITH EMPHASIS ON PV PRACTICE (COURSE CODE: AERPP 2023-24)

SYLLABUS

MODULES	TOPICS
MODULE - I	Introduction to ADR reporting and management
	ADR reporting and Pharmacovigilance
	Need for ADR reporting and management
	Importance of safety monitoring of medicine
	Introduction to ADR
	ADR and ADE
	Classification of ADR
	Predisposing factors of ADR
	Causality assessment scale
	Mechanism of ADR
	Individual Case Safety Report ICSR
	MedDRA, WHO
	Different reporting for Pharmacovigilance
	Spontaneous ADR reporting
	Voluntary ADR reporting
ADR Regulatory terminologies	
Importance of ADR reporting and management	
MODULE- II	Description of PSUR
	Description about post marketing surveillance
	Regulatory aspects of Pharmacovigilance
	Core Pharmacovigilance Activities
	DSUR and PBRER
	Softwares used for ADR reporting
	Event selection and coding with MEDRA
	Future of Pharmacovigilance
	Good clinical practice in pharmacovigilance
	Tools used in ADR reporting and management
	National ADR reporting and management program
	Information resources in ADR reporting and management
	Application of ADR reporting and management.

COURSE COORDINATOR

Dr Jeena Susan Saji

HOD

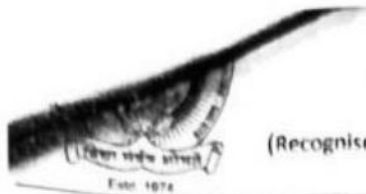
Dr Parthasarathy

PRINCIPAL

Dr Padmaa M Paarakh



No 6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru -560 068
Q: +91- 80 - 61754694, Fax +91- 80 -61754699, www.theoxford.edu
e-mail: pharmacyprincipal@theoxford.edu, info@theoxford.edu,



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COURSE ON ADVERSE EVENT REPORTING WITH EMPHASIS ON PV PRACTICE

(COURSE CODE: AERPP 2023-24)

SESSION PLAN

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1	19/07/2024	FRIDAY	4.00-4.30PM	Inauguration	Dr Padmaa M Paarakh
			4.30-5.30PM	Module 1	Dr Jeena Susan Saji
2	20/07/2024	SATURDAY	1.30-2.30PM	Module 1	Dr Jeena Susan Saji
3	22/07/2024	MONDAY	4.30-5.30PM	Module 1	Dr Jeena Susan Saji
4	26/07/2024	FRIDAY	4.30-5.30PM	Module 1	Dr Jeena Susan Saji
5	27/06/2024	SATURDAY	1.30-2.30PM	Module 1	Dr Jeena Susan Saji
6	29/07/2024	MONDAY	4.30-5.30PM	Module 1	Dr Jeena Susan Saji
7	2/08/2024	FRIDAY	4.30-5.30PM	Module 1	Dr Jeena Susan Saji
8	3/08/2024	SATURDAY	1.30-2.30PM	Module 1	Dr Jeena Susan Saji
9	5/08/2024	MONDAY	4.30-5.30PM	Module 1	Dr Jeena Susan Saji
10	9/08/2024	FRIDAY	4.30-5.30PM	Module 1	Dr Jeena Susan Saji
11	10/08/2024	SATURDAY	1.30-2.30PM	Module 1	Dr Jeena Susan Saji
12	12/08/2024	MONDAY	4.30-5.30PM	Module 1	Dr Jeena Susan Saji
13	16/08/2024	FRIDAY	4.30-5.30PM	Module 1	Dr Jeena Susan Saji
14	17/08/2024	SATURDAY	1.30-2.30PM	Module 1	Dr Jeena Susan Saji
15	26/08/2024	MONDAY	4.30-5.30PM	Module 1	Dr Jeena Susan Saji
16	30/08/2024	FRIDAY	4.30-5.30PM	Module 2	Dr Jeena Susan Saji
17	31/08/2024	SATURDAY	1.30-2.30PM	Module 2	Dr Jeena Susan Saji
18	2/09/2024	MONDAY	4.30-5.30PM	Module 2	Dr Jeena Susan Saji
19	6/09/2024	FRIDAY	4.30-5.30PM	Module 2	Dr Jeena Susan Saji
20	9/09/2024	MONDAY	4.30-5.30PM	Module 2	Dr Jeena Susan Saji
21	13/09/2024	FRIDAY	4.30-5.30PM	Module 2	Dr Jeena Susan Saji
22	14/09/2024	SATURDAY	1.30-2.30PM	Module 2	Dr Jeena Susan Saji


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23	20/09/2024	FRIDAY	4.30-5.30PM	Module 2	Dr Jeena Susan Saji
24	21/09/2024	SATURDAY	1.30-2.30PM	Module 2	Dr Jeena Susan Saji
25	23/09/2024	MONDAY	4.30-5.30PM	Module 2	Dr Jeena Susan Saji
26	27/09/2024	FRIDAY	4.30-5.30PM	Module 2	Dr Jeena Susan Saji
27	28/09/2024	SATURDAY	1.30-2.30PM	Module 2	Dr Jeena Susan Saji
28	30/09/2024	MONDAY	4.30-5.30PM	Module 2	Dr Jeena Susan Saji
29	04/10/2024	FRIDAY	4.30-5.30PM	Module 2	Dr Jeena Susan Saji
30	05/10/2024	SATURDAY	1.30-2.30PM	Module 2	Dr Jeena Susan Saji
			2.30-3.00PM	Valedictory	Dr Padmaa M Paarakh


COURSE CO-ORDINATOR
Dr Jeena Susan Saji


HOD
Dr Parthasarathy G


PRINCIPAL
Dr Padmaa M Paarakh



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COURSE ON ADVERSE EVENT REPORTING WITH EMPHASIS ON PV PRACTICE (COURSE CODE: AERPP 2023-24) COMPLETION REPORT

The Department of Pharmacy Practice, The Oxford college of Pharmacy, Bangalore, conducted a course on Adverse event reporting with emphasis on PV practice (Course Code: AERPP2023-24) for the academic year 2023-24. This course offers the necessary knowledge and skills used for ADR reporting and management.

The course was started with an inaugural function by welcoming the Principal Dr Padmaa M Paarakh. The function was conducted at Room No-501 and all the participants were introduced by Course Coordinator Dr Jeena Susan Saji. Total 25 students were present. The inaugural function has been summed up with the introductory lecture of course coordinator Dr Jeena Susan Saji.

A total 30 hours course had been conducted after college hours on Monday, Friday and Saturday. Total 25 students were enrolled for this course.

The syllabus of the course had been divided into two modules. After the completion of each module an internal assessment was conducted and overall test was conducted after the completion of the course. The final results of the tests conducted for module I, II and overall were analysed. Approximately 32.2 % students scored grade A (marks percentage-100%) in all the tests followed by 38.9 % who scored grade B (marks percentage-90%) and 28.9 % scored grade C (marks percentage-80%).

The performance of the students in the tests were found excellent. About eighty percent of the students had secured excellent grades in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes.

The valedictory function has been conducted on 5/10/2024 and the course participation certificate were distributed to all 25 students by the Principal Dr. Padmaa M. Paarakh and Head of the Department Dr Parthasarathy. Dr Parthasarathy thanked Principal madam and management for providing best infrastructure for carrying out such courses. On behalf of department she promised to carry out such courses in future also.

The guest of the valedictory function, Dr Padmaa M Paarakh, Principal, TOCP, Bangalore had appreciated the enthusiasm of the students for this course and congratulated the Department of Pharmacy Practice and the course coordinator Dr Jeena Susan Saji for the successful completion of the course.


COURSE CO-ORDINATOR

Dr Jeena Susan Saji


HOD

Dr Parthasarathy G


PRINCIPAL

Dr Padmaa M Paarakh



COURSE ON ADVERSE EVENT REPORTING WITH EMPHASIS ON PV PRACTICE

(COURSE CODE: AERPP 2023-24)


OUTCOME REPORT

The Department of Pharmacy Practice, The Oxford College of Pharmacy, Bangalore-560068, completed **COURSE ON ADVERSE EVENT REPORTING WITH EMPHASIS ON PV PRACTICE** (Course Code: AERPP 2023-24). 25 students were registered and the course was conducted for 30 hours.

This course offers the necessary skills and knowledge in various techniques used for reporting and management of ADR.

OUTCOMES : At the end of this course students were able to,

- Understand and acquire the skills for reporting and management of ADR in the field of pharmacy.
- Acquire knowledge for finding out severe ADR which cannot be found out through clinical trials.
- Earn an opportunity to get a job in detection and reporting of ADR in the field of pharmacovigilance in various organizations.


COURSE CO-ORDINATOR

Dr Jeena Susan Saji


HOD

Dr Parthasarathy G


PRINCIPAL

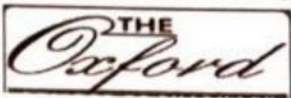
Dr Padmaa M Paarakh

COURSE ON ADVERSE EVENT REPORTING WITH EMPHASIS ON PV PRACTICE

(COURSE CODE: AERPP 2023-24)

Attendance Statement

S. No	Name of the student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Date of the Class	19/7	20/7	22/7	21/7	21/7	29/7	2/8	3/8	5/8	9/8	10/8	12/8	13/8	16/8	22/8
1	Kishan krupakar	KS	KS	KS	KS	KS	KS	KS	KS	KS	KS	KS	KS	KS	KS	KS
2	M B Tejaswini	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
3	Sadiq Ahmed	SA	SA	SA	SA	SA	AB	SA	SA	SA	SA	SA	SA	SA	SA	SA
4	Tahir Azad Zargar	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
5	Akhil Reddy A	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6	A D Nandhini	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN
7	Abdul Azeez A	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA
8	Abhishek B K	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
9	Abrar Majeed	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM
10	Aijaz Muhammed	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM
11	Amar	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
12	Amulya R	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM
13	N Ananda	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	Aniruddha chakarborty	AC	AC	AC	AC	AC	AC	AC	AC	AB	AC	AC	AC	AC	AC	AC
15	Apoorva N	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN
16	S Archana	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
17	Chethan Kumar B	CK	CK	CK	CK	CK	CK	CK	CK	CK	CK	CK	CK	CK	CK	CK
18	Chethan M	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM
19	Chethan N	CN	CN	CN	CN	CN	CN	CN	CN	CN	CN	CN	CN	CN	CN	CN
20	Chidananda G	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG
21	Chiranjeevi	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
22	Debashish Parida	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
23	Deepak Kumar Mahto	DM	DM	DM	AB	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM
24	Dharshini J	DJ	DJ	DJ	DJ	DJ	DJ	DJ	DJ	DJ	DJ	DJ	DJ	DJ	DJ	DJ
25	Divya C K	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC
	SIGNATURE	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f





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COURSE ON ADVERSE EVENT REPORTING WITH EMPHASIS ON PV PRACTICE

(COURSE CODE: AERPP 2023-24)

Attendance Statement

S. No	Name of the student	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	Date of the Class	20/9	21/9	22/9	23/9	24/9	25/9	26/9	27/9	28/9	29/9	30/9	1/10	2/10	3/10	4/10
1	Kishan krupakar	KA	KA	KA	KA	KA	KA	KA	KA	KA	KA	KA	KA	KA	KA	KA
2	M B Tejaswini	TB	TB	AD	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB
3	Sadiq Ahmed	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
4	Tahir Azad Zargar	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
5	Akhil Reddy A	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6	A D Nandhini	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7	Abdul Azeed A	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA
8	Abhishek B K	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
9	Abrar Majeed	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM
10	Aijaz Muhammed	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM
11	Amar	A	A	A	A	A	A	A	A	A	A	A	AB	A	A	A
12	Amulya R	Amulya	Amulya	Amulya	Amulya	Amulya	Amulya	Amulya	Amulya	Amulya	Amulya	Amulya	Amulya	Amulya	Amulya	Amulya
13	N Ananda	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
14	Aniruddha chakarborty	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC
15	Apoorva N	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN
16	S Archana	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS
17	Chethan Kumar B	CK	CK	CK	CK	CK	CK	CK	CK	CK	CK	CK	CK	CK	CK	CK
18	Chethan M	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM
19	Chethan N	CN	CN	CN	CN	CN	CN	CN	CN	CN	CN	CN	CN	CN	CN	CN
20	Chidananda G	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG
21	Chiranjeevi	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
22	Debashish Parida	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
23	Deepak Kumar Mahto	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM
24	Dharshini J	DJ	DJ	DJ	DJ	DJ	DJ	DJ	DJ	DJ	DJ	DJ	DJ	DJ	DJ	DJ
25	Divya C K	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	AB	DC	DC	DC
	SIGNATURE	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J






THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. So Archana of II Bpharm year has undergone a course on Adverse event reporting with emphasis on PV practice held at the Department of Pharmacy Practice, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR

Dr. JEENA SUSAN SAJI
Dept of Pharmacy Practice
The Oxford College of
Pharmacy


HOD

Dr. PARTHASARATHY G
Dept of Pharmacy practice
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Amulya.R. of II Bpharm year has undergone a course on Adverse event reporting with emphasis on PV practice held at the Department of Pharmacy Practice, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR

Dr. JEENA SUSAN SAJI
Dept of Pharmacy Practice
The Oxford College of
Pharmacy


HOD

Dr. PARTHASARATHY G
Dept of Pharmacy practice
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Amal of II Bpharm year has undergone a course on Adverse event reporting with emphasis on PV practice held at the Department of Pharmacy Practice, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

COURSE COORDINATOR
Dr. JEENA SUSAN SAJI
Dept of Pharmacy Practice
The Oxford College of
Pharmacy

HOD
Dr. PARTHASARATHY G
Dept of Pharmacy practice
The Oxford College of
Pharmacy

PRINCIPAL
Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. A.D. Nandhini of II Bpharm year has undergone a course on Adverse event reporting with emphasis on PV practice held at the Department of Pharmacy Practice, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR

Dr. JEENA SUSAN SAJI
Dept of Pharmacy Practice
The Oxford College of
Pharmacy


HOD

Dr. PARTHASARATHY G
Dept of Pharmacy practice
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy




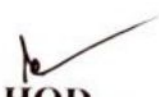
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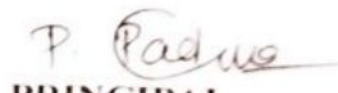
6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Divya .C.K of II Bpharm year has undergone a course on Adverse event reporting with emphasis on PV practice held at the Department of Pharmacy Practice, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR
Dr. JEENA SUSAN SAJI
Dept of Pharmacy Practice
The Oxford College of
Pharmacy


HOD
Dr. PARTHASARATHY G
Dept of Pharmacy practice
The Oxford College of
Pharmacy


PRINCIPAL
Dr. PADMAA M PAARAKH
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COURSE ON NUTRITION AND DIETETICS MANAGEMENT FOR PATIENTS (COURSE CODE: ND123-24)

NOTICE

Date: 15-07-2024

To

Notice Board

To be read in the class rooms

Course Co-ordinator-Dr Priyadharshini.M

To be filed.

The Oxford College of Pharmacy, Bangalore introduces a 30 hours course on Nutrition And Dietetics Management For Patients for the academic year 2023-24, for the benefit of B.Pharm students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from 23/07/2024 and will be conducted after college hours on Tuesday, Wednesday, and Saturday. The eligibility criteria include students Pursuing Pharmacy Degree in B.Pharm. Interested students can enroll with Dr Priyadharshini.M, course coordinator on or before 22nd July 2024.


COURSE CO-ORDINATOR

Dr Priyadharshini.M


HOD

Dr Parthasarathy G


PRINCIPAL

Dr Padmaa M Paarakh



No.6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru -560 068
2: +91-80-61754694, Fax +91-80-61754699, www.theoxford.edu
e-mail: pharmacyprincipal@theoxford.edu, info@theoxford.edu,

Organizing Committee

Chairperson	Dr. Padmaa M Paarakh, Principal, TOCP, Bangalore.
HOD	Dr G Parthasarathy Department of Pharmacy Practice TOCP, Bangalore.
Program Coordinator	Dr Priyadharshini.M Department of Pharmacy Practice TOCP, Bangalore.

For Further Information Contact

Dr Priyadharshini.M
Assistant Professor
Department of Pharmacy Practice
TOCP, Bangalore
Email:
priyu2022mahesh@gmail.com

THE OXFORD COLLEGE OF PHARMACY

The Oxford College of Pharmacy (TOCP) was established in 1992. TOCP under the aegis of Children's Education Society (R) offers D Pharm, B. Pharm, M. Pharm, Pharm. D, and Pharm. D (Post Baccalaureate) programs. TOCP is recognized by the Government of Karnataka, affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, and Drug Control Board, Karnataka respectively, and Pharmacy Council of India, New Delhi. TOCP has excellent infrastructure in terms of sophisticated instruments, laboratories, lecture halls, etc.

ELIGIBILITY CRITERIA

Students Pursuing Pharmacy Degree in B.Pharm

Course
On

"NUTRITION AND DIETETICS MANAGEMENT FOR PATIENTS"



Organized by

THE OXFORD COLLEGE OF PHARMACY

Department of Pharmacy Practice,
1st Main Rd, Hongasandra, Bengaluru,
Karnataka 560068

Duration: 30 hours
Last date for registration: 22/07/2024
Date of commencement: 23/07/2024
Planned Examination: After
completion of 30 hour classes.

REGISTRATION

Registration Fees	NIL It is a free course offered by The Oxford College of Pharmacy Bangalore-68
Contact person for registration	Dr Priyadharshini.M 8310366989

STRUCTURE

- Course will be conducted for 30 hours.
- Every Tuesday, Wednesday and Saturday after the college hours.

COURSE DESCRIPTION

The Department of Pharmacy Practice, TOCP, Bangalore introduces a thirty hours course on "Nutrition And Dietetics Management For Patients" (Course Code: NDM 2023-24). This course offers basic understanding on necessity of nutrition and dietary requirements for patient health.

OBJECTIVES OF PROGRAM

- To develop evaluate the impact of nutritional interventions on patient satisfaction and quality of life.
- To promote understanding, education about role of nutrition in preventing and managing complications in patients with specific medical conditions .
- To develop insights on dietary strategies for prevention of malnutrition and nutritional deficiencies and improve health outcomes and quality of life in patients .
- Create awareness on nutrition related disorders and management

FINAL ASSESSMENT

Final exams will be conducted at the end of the syllabus.

DURATION

- Thirty hours.

OUTCOME

- Students will explore comprehensive knowledge on importance of dietary interventions in management of diseases .
- Students will acquire knowledge on nutrient deficiency disorders and their management.
- This course helps the students to develop thorough understanding on role of different dietary supplements and their potential nutritional and therapeutic effects.

REGISTRATION PROCESS

- Students can directly contact to the course coordinator Dr Priyadharshini.M



Children's Education Society (Regd.)

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Approved by Pharmacy Council of India, New Delhi

COURSE ON NUTRITION AND DIETETICS MANAGEMENT FOR PATIENTS

(COURSE CODE: NDM 2023-24)

REGISTRATION LIST

SINo.	Student Name	Signature
1	Shilpa Rathod	shilpa
2	Shiva Kumar G	shiva
3	Sirisha. M	Sirisha M
4	Sirisha.S	Sirisha S
5	Sneha Harish	Sneha Harish
6	S. P. Aishwarya	S.P. Aishwarya
7	Sudhanshu Mishra	Sudhanshu Mishra
8	Sudharshan.S	Sudharshan
9	Sushmita Ranjan	Sushmita
10	Thanu Shree C	Thanu
11	Tt Lalnunpuia	Tt Lalnunpuia
12	V R Srie Aria	V R Srie Aria
13	Yamuna R	Yamuna


COURSE CO-ORDINATOR

Dr Priyadarshini.M


HOD

Dr Parthasarathy G


PRINCIPAL

Dr Padmaa M Paarakh



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COURSE ON NUTRITION AND DIETETICS MANAGEMENT FOR PATIENTS (Course Code: NDM 2023-24)

SYLLABUS

MODULES	TOPICS
Module I	Introduction To Nutraceuticals
	Basic Understanding About Nutrition
	Micronutrients And Macronutrients and its Importance For Body
	Classification Of Nutraceuticals
	Balanced Diet and its components
	Use Of Nutraceuticals In Management Of Obesity And Diabetes
	Nutraceuticals For Heart Diseases
	Nutraceuticals For Cancer
	Nutraceuticals For Osteoarthritis And
	Nutraceuticals For Hypertension
	Dietary Importance For Pregnant Women
	Natural Antioxidants
	Prebiotics And Probiotics
	Role Of Different Vitamins And Minerals For Body
Malnutrition and its causes	
Module II	Iron Deficiency Anemia
	Folate Deficiency -Neural Tube Defects
	Magnesium Deficiency -Muscle Cramps/Weakness
	Zinc Deficiency -Growth Retardation
	Biotin Deficiency -Skin Rash And Hairloss
	Thiamine Deficiency- WernickeKorsakoff Syndrome
	Iodine deficiency- Hypothyroidism and Cretinism
	Vit B 12 deficiency- Anemia
	Vitamin D deficiency- Osteomalacia
	Vitamin A deficiency -eye damage
	Nutrition demands in geriatrics
	Nutrition demands in paediatrics and growth spurts
	Importance of dietary management for diseases
	Consequences of over nutrition
	Discussion session with quiz activity


CO-ORDINATOR

Dr. Priyadarshini.M


HOD

Dr. G Parthasarathy


PRINCIPAL

Dr. Padmaa M. Paarakh



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COURSE ON NUTRITION AND DIETETICS MANAGEMENT FOR PATIENTS

(COURSE CODE: NDM 2023-24)

SESSION PLAN

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1	23/07/2024	TUESDAY	4.30-5.30PM	Inauguration Module 1	Dr Padmaa M Paarakh
2	24/07/2024	WEDNESDAY	4.30-5.30PM	Module 1	Dr Priyadharshini.M
3	27/07/2024	SATURDAY	1.30-2.30PM	Module 1	Dr Priyadharshini.M
4	30/07/2024	TUESDAY	4.30-5.30PM	Module 1	Dr Priyadharshini.M
5	31/07/2024	WEDNESDAY	4.30-5.30PM	Module 1	Dr Priyadharshini.M
6	03/08/2024	SATURDAY	1.30-2.30PM	Module 1	Dr Priyadharshini.M
7	06/08/2024	TUESDAY	4.30-5.30PM	Module 1	Dr Priyadharshini.M
8	07/08/2024	WEDNESDAY	4.30-5.30PM	Module 1	Dr Priyadharshini.M
9	10/08/2024	SATURDAY	1.30-2.30PM	Module 1	Dr Priyadharshini.M
10	13/08/2024	TUESDAY	4.30-5.30PM	Module 1	Dr Priyadharshini.M
11	14/08/2024	WEDNESDAY	4.30-5.30PM	Module 1	Dr Priyadharshini.M
12	17/08/2024	SATURDAY	1.30-2.30PM	Module 1	Dr Priyadharshini.M
13	27/08/2024	TUESDAY	4.30-5.30PM	Module 1	Dr Priyadharshini.M
14	28/08/2024	WEDNESDAY	4.30-5.30PM	Module 1	Dr Priyadharshini.M
15	31/08/2024	SATURDAY	1.30-2.30PM	Module 1	Dr Priyadharshini.M
16	03/09/2024	TUESDAY	4.30-5.30PM	Module 2	Dr Priyadharshini.M
17	04/09/2024	WEDNESDAY	4.30-5.30PM	Module 2	Dr Priyadharshini.M
18	09/09/2024	TUESDAY	4.30-5.30PM	Module 2	Dr Priyadharshini.M
19	10/09/2024	WEDNESDAY	4.30-5.30PM	Module 2	Dr Priyadharshini.M
20	14/09/2024	SATURDAY	1.30-2.30PM	Module 2	Dr Priyadharshini.M
21	14/09/2024	SATURDAY	2.30-3.30PM	Module 2	Dr Priyadharshini.M



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22	17/09/2024	TUESDAY	4.30-5.30PM	Module 2	Dr Priyadharshini M
23	18/09/2024	WEDNESDAY	4.30-5.30PM	Module 2	Dr Priyadharshini M
24	21/09/2024	SATURDAY	1.30-2.30PM	Module 2	Dr Priyadharshini M
25	24/09/2024	TUESDAY	4.30-5.30PM	Module 2	Dr Priyadharshini M
26	25/09/2024	WEDNESDAY	4.30-5.30PM	Module 2	Dr Priyadharshini M
27	28/09/2024	SATURDAY	1.30-2.30PM	Module 2	Dr Priyadharshini M
28	28/09/2024	SATURDAY	2.30-3.30PM	Module 2	Dr Priyadharshini M
29	01/10/2024	TUESDAY	4.30-5.30PM	Module 2	Dr Priyadharshini M
30	05/10/2024	SATURDAY	1.30-2.30PM	Module 2	Dr Priyadharshini M
31	05/10/2024	SATURDAY	2.30-3.00PM	Module 2	Dr Padmaa M Paarakh
				Valedictory	Dr Priyadharshini M


COURSE CO-ORDINATOR

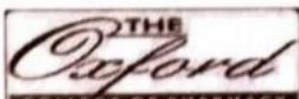
Dr Priyadharshini.M


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Dr Parthasarathy G


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COURSE ON NUTRITION AND DIETETICS MANAGEMENT FOR PATIENTS (COURSE CODE: NDM 2023-24)

OUTCOME REPORT

The Department of Pharmacy Practice, The Oxford College of Pharmacy, Bangalore-560068, completed Course on 'Nutrition And Dietetics Management For Patients' (Course Code: NDM 2023-24). 13 students were registered and the course was conducted for 30 hours.

This course offers basic understanding on necessity of nutrition and importance of dietary interventions for patient health.

OUTCOMES :

At the end of this course students were able to,

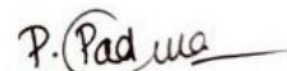
- Explore importance of dietary interventions in management of diseases .
- Acquire knowledge on nutrient deficiency disorders and their management.
- Develop thorough understanding on role of different dietary supplements and their potential nutritional and therapeutic effects.
- To develop better understanding on dietary strategies for prevention of malnutrition and nutritional deficiencies and improve health outcomes and quality of life in patients


COURSE CO-ORDINATOR

Dr Priyadharshini.M


HOD

Dr Parthasarathy G


PRINCIPAL

Dr Padmaa M Paarakh





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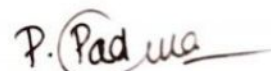
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- Acquire knowledge on nutrient deficiency disorders and their management.
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- To develop better understanding on dietary strategies for prevention of malnutrition and nutritional deficiencies and improve health outcomes and quality of life in patients


COURSE CO-ORDINATOR

Dr Priyadharshini.M


HOD

Dr Parthasarathy G


PRINCIPAL

Dr Padma M Paarakh





COURSE ON NUTRITION AND DIETETICS MANAGEMENT FOR PATIENTS
(COURSE CODE: NDM 2023-24)

COMPLETION REPORT

The Department of Pharmacy Practice, The Oxford college of Pharmacy, Bangalore, conducted a course on "Nutrition And Dietetics Management For Patients" (Course Code: NDM 2023-24) for the academic year 2023-24. This course offers basic understanding on necessity of nutrition and dietary interventions for patient health.

The course was started with an inaugural function by welcoming the Principal Dr Padmaa M Paarakh. The function was conducted at Room No-506 and all the participants were introduced by Course Coordinator Dr Priyadharshini.M. 13 students were present. The inaugural function has been summed up with the introductory lecture of course coordinator Dr Priyadharshini.M.

A total 30 hours course had been conducted after college hours on Tuesday, Wednesday and Saturday. Total 13 students were enrolled for this course.

The syllabus of the course had been divided into two modules. After the completion of each module an internal assessment was conducted and overall test was conducted after the completion of the course. The final results of the tests conducted for module I, II and overall were analysed. Approximately 32.2 % students scored grade A (marks percentage-100%) in all the tests followed by 38.9 % who scored grade B (marks percentage-90%) and 28.9 % scored grade C (marks percentage-80%).

The performance of the students in the tests were found excellent. About eighty percent of the students had secured excellent grades in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes.

The valedictory function has been conducted on 05/10/2024 and the course participation certificate were distributed to all 13 students by the Principal Dr. Padmaa M. Paarakh and Head of the Department Dr Parthasarathy. Dr Parthasarathy thanked Principal madam and management for providing best infrastructure for carrying out such courses. On behalf of department she promised to carry out such courses in future also.

The guest of the valedictory function, Dr Padmaa M Paarakh, Principal, TOCP, Bangalore had appreciated the enthusiasm of the students for this course and congratulated the Department of Pharmacy Practice and the course coordinator Dr Priyadharshini.M for the successful completion of the course.


COURSE CO-ORDINATOR

Dr Priyadharshini.M


HOD

Dr Parthasarathy G


PRINCIPAL

Dr Padmaa M Paarakh



COURSE ON NUTRITION AND DIETETICS MANAGEMENT FOR PATIENTS

(Course Code:NDM 2023-24)

Attendance Statement

S. No	Name of the student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Date of the Class	23/7	24/7	27/7	30/7	31/7	3/8	6/8	7/8	10/8	13/8	14/8	17/8	20/8	21/8	31/8
1	SHILPA RATHOD	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP
2	SHIVA KUMAR G	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP
3	SIRISHA. M	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR
4	SIRISHA.S	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR
5	SNEHA HARISH	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR
6	S. P. AISHWARYA	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP
7	SUDHANSHU MISHRA	S.M	S.M	S.M	S.M	S.M	S.M	S.M	S.M	S.M	S.M	S.M	S.M	S.M	S.M	S.M
8	SUDHARSHAN.S	S.S	S.S	S.S	S.S	S.S	S.S	S.S	S.S	S.S	S.S	S.S	S.S	S.S	S.S	S.S
9	SUSHMITA RANJAN	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR
10	THANU SHREE C	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP
11	TT LALNUNPUIA	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP	SLP
12	V R SRIE ARIA	V.R	V.R	V.R	V.R	V.R	V.R	V.R	V.R	V.R	V.R	V.R	V.R	V.R	V.R	V.R
13	YAMUNA R	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR
	SIGNATURE	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR



COURSE ON NUTRITION AND DIETETICS MANAGEMENT FOR PATIENTS

(Course Code: NDM 2023-24)

Attendance Statement

S. No	Name of the student	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	Date of the Class	3/9	4/9	9/9	10/9	14/9	14/9	17/9	18/9	21/9	24/9	25/9	28/9	28/9	1/10	5/10
1	SHILPA RATHOD	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa
2	SHIVA KUMAR G	shiva	shiva	shiva	shiva	shiva	shiva	shiva	shiva	shiva	shiva	shiva	shiva	shiva	shiva	shiva
3	SIRISHA. M	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
4	SIRISHA.S	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
5	SNEHA HARISH	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH
6	S. P. AISHWARYA	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa
7	SUDHANSHU MISHRA	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
8	SUDHARSHAN.S	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
9	SUSHMITA RANJAN	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR
10	THANU SHREE C	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC
11	TT LALNUNPUIA	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
12	V R SRI ARIA	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
13	YAMUNA R	YR	YR	YR	YR	YR	YR	YR	YR	YR	YR	YR	YR	YR	YR	YR
	SIGNATURE	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa	shilpa



THE OXFORD COLLEGE OF PHARMACY
6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify thatYAMUNA R.....ofB PHARM..... has undergone an *Course on 'Nutrition And Dietetics Management For Patients'* held at the Department of Pharmacy Practice, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-24.


Course Coordinator


HOD


Principal

Dr Priyadharshini.M
Dept. of Pharmacy Practice
The Oxford College of Pharmacy

Dr. G Parthasarathy
Dept. of Pharmacy Practice
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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COLLEGE OF PHARMACY

THE OXFORD COLLEGE OF PHARMACY
6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that^{SIRISHAM}.....of^{B PHARM}..... has undergone an *Course on 'Nutrition And Dietetics Management For Patients'* held at the Department of Pharmacy Practice, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-24.


Course Coordinator


HOD


Principal

Dr Priyadharshini.M
Dept. of Pharmacy Practice
The Oxford College of Pharmacy

Dr. G Parthasarathy
Dept. of Pharmacy Practice
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



THE OXFORD COLLEGE OF PHARMACY
6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify thatSIRISHA.M.....ofB.PHARM..... has undergone an *Course on 'Nutrition And Dietetics Management For Patients'* held at the Department of Pharmacy Practice, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-24.


Course Coordinator


HOD


Principal

Dr Priyadharshini.M
Dept. of Pharmacy Practice
The Oxford College of Pharmacy

Dr. G Parthasarathy
Dept. of Pharmacy Practice
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that *SNEHA HARISH* of *B PHARM* has undergone an *Course on 'Nutrition And Dietetics Management For Patients'* held at the Department of Pharmacy Practice, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-24.

Course Coordinator

HOD

Principal

Dr Priyadharshini.M
Dept. of Pharmacy Practice
The Oxford College of Pharmacy

Dr. G Parthasarathy
Dept. of Pharmacy Practice
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that*SUDHARSHANS*.....of*BPHARM*..... has undergone an *Course on 'Nutrition And Dietetics Management For Patients'* held at the Department of Pharmacy Practice, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-24.


Course Coordinator


HOD


Principal

Dr Priyadharshini.M
Dept. of Pharmacy Practice
The Oxford College of Pharmacy

Dr. G Parthasarathy
Dept. of Pharmacy Practice
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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COURSE ON INTRODUCTION TO BASIC LIFE SUPPORT METHODS

(Course Code: IBLSM 2023-24)

NOTICE

Date: 04-01-2024

To

Notice Board

To be read in the classrooms

Course Coordinators- Dr Jenisha k

To be filed

The Department of Pharmacy practice, The Oxford College of Pharmacy, Bangalore introduces 30 hours course on Introduction to Basic Life Support Methods for the academic year 2023-24, for the benefit of B Pharm students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from 12th Jan 2024 and will be conducted after the college hours on Monday, Friday and Saturday. The eligibility criteria include students pursuing Pharmacy degree, that is B Pharm students. Interested students can enroll with Dr Jenisha k, course coordinators on or before 08th Jan 2024.


Course Coordinator

Dr. Jenisha K


Hod

Dr. Parthasarathy G


Principal

Dr. Padmaa M Paarakh



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e-mail: pharmacyprincipal@theoxford.edu, info@theoxford.edu,

Organizing Committee

Chairperson	Dr. Padmaa M Paarakh, Principal, TOCP, Bengaluru.
HOD	Dr. Parthasarathy G HOD , Department of Pharmacy Practice TOCP, Bangalore.
Course Members	Dr Jenisha K 9741024432

For Further Information Contact

Dr JENISHA K

Email: jenishaks98@gmail.com

Course Coordinator

Department of

PharmacyPractice, TOCP, Bengaluru

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ELIGIBILITY CRITERIA

Students Pursuing Pharmacy Degree B Pharm Students from second, third, fourth, B Pharm Students.

Course

On

**“INTRODUCTION TO LIFE
SUPPORT METHODS”**



Organized by

**THE OXFORD COLLEGE
OF PHARMACY**

Department of Pharmacy practice

1st Main rd., Hongasandra,

Bengaluru, Karnataka -560 068

Important Dates

Duration: 30 hours

**Last date for registration: 08TH JAN
2024**

**Date of commencement: 12th Jan
2024**

Final Evaluation : 04 OCT 2024

REGISTRATION

Registration Fees	NIL It is a free course offered by The Oxford College of Pharmacy, Bengaluru-68
Contact person for registration	Dr JENISHA K Course Coordinator

STRUCTURE

- Course will be conducted for 30 hours after college hours.
- Every Monday, Fridays and Saturdays after college hours

COURSE DESCRIPTION

The Department of Pharmacy Practice, TOCP , Bangalore- 560068 introduces a course **INTRODUCTION TO BASIC LIFE SUPPORT METHODS**(course code: **IBLSM 2023-24**)teaches about the comprehensive advanced life support methods for students which focus on cardiovascular, respiratory, renal, neurological and hepatic life support

OBJECTIVES OF THE PROGRAM

- Understand life support principles and modalities.
- Identify indications and contraindications for life support.
- Demonstrate proficiency in life support techniques.
- Apply critical thinking in life support decision-making.
- Apply life support principles in real-life scenarios.
- Integrate life support into patient care plans.
- Collaborate with healthcare teams to provide effective life support.
- Evaluate the effectiveness of life support interventions.

FINAL ASSESSMENT

Final evaluation will be conducted at the end of the syllabus

OUTCOME

- Understanding of life support principles and modalities
- Familiarity with life support equipment and technology
- Knowledge of indications and contraindications for life support
- Understanding of life support protocols and guidelines.
- Recognition of the importance of timely and effective life support.
- Ability to apply life support principles in real-life scenarios.
- Ability to evaluate the effectiveness of life support interventions.
- Development of critical thinking skills for life support decision-making.

REGISTRATION PROCESS

Students can directly contact the course coordinator- Dr. Jenisha k
CONTACT: 9741024432

DURATION

30 hours beginning from 12th JAN 2024



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COURSE ON INTRODUCTION TO BASIC LIFE SUPPORT METHODS

(Course Code: IBLSM 2023-24)

REGISTRATION LIST

S.No	Student Name	Signature
1	A YESWANTH	Yeswanth.
2	ABHINAV ANAND	Abinav
3	ABHISHEK H PATIL	Abhishek
4	ABISHEKA.M	Abhisheka.
5	ADITYA	Aditya
6	AKASH. R	Akash.
7	AKSHITHA.A	akashitha
8	ALLURI YASWANTH	Alluri
9	AMRIN A	Amrin
10	R.ANBALAGAN	Anbu.
11	ANUPRIYA.K	Anupriya
12	ANUSHKA SINGH	Anushka
13	ASHWINI.B.S	Ashwini
14	AYESHA MARYAM	Ayesha.
15	B M MONIKA	Monika.
16	BHAGYASHREE	Bhagya
17	BHARATH.B	Bharath.
18	BHASKAR.C	Bhaskar
19	BHOOMIKA	Bhoomika.
20	DEENA K R	Deena.
21	DEEPIKA V	Deepika.
22	DEVENDRA D	Dev
23	E DILIP KUMAR	E.Dilip
24	DIPANJANA NAYEK	Dip
25	GANESH KUMAR	Ganesh



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26	GEETHA.M	<i>Geetha</i>
27	GOKILAN.N	<i>Gokil</i>
28	GOWTHAM.V	<i>Gowtham</i>
29	GUNASHREE.M	<i>Gunashree M.</i>
30	HANUMANTARAYA GOUDA	<i>Hanumantaraya Gouda</i>

Jenisha K
Course Coordinator

Dr. Jenisha K

Parthasarathy G
Hod

Dr. Parthasarathy G

P. Padma
Principal

Dr. Padmaa M Paarakh




No.6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru -560 068
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**COURSE ON INTRODUCTION TO BASIC LIFE SUPPORT METHODS****(Course Code: IBI.SM 2023-24)****SYLLABUS**

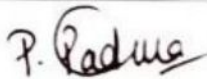
MODULES	TOPICS
MODULE - I	Introduction to Life Support
	Definition
	History and evolution of life support
	Ethical considerations
	Protocols on basic life support
	Methods of basic life support
	Cardiovascular Life Support
	Cardiopulmonary resuscitation (CPR)
	Defibrillation and cardiac pacing
	Vasopressor and inotrope therapy
	Respiratory Life Support
	Mechanical ventilation
	Oxygen therapy and non-invasive ventilation
	Respiratory failure management
Renal Life Support	
MODULE - II	Haemodialysis and peritoneal dialysis
	Continuous renal replacement therapy (CRRT)
	Renal failure management
	Neurological Life Support
	intracranial pressure (ICP) monitoring
	Sedation and analgesia
	Seizure management
	Hepatic Life Support
	Liver transplantation
	Artificial liver support systems
	Hepatic failure management
	Paediatric and neonatal life support
	Life support in trauma and burns
	Life support in sepsis and multi-organ failure
	Real-life scenario discussions
	Simulation-based training


Course Coordinator

Dr. Jenisha K


Hod

Dr. Parthasarathy G


Principal

Dr. Padmaa M Paarakh

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COURSE ON INTRODUCTION TO BASIC LIFE SUPPORT METHODS

(Course Code: IBLSM 2023-24)

Session Plan

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1.	12-01-2024	Friday	4.00pm-5.00pm	Inaugural Module-1	Dr. Padmaa. M. Paarakh Dr. jenisha k
2.	13-01-2024	Saturday	1.00pm-2.00pm	Module-1	Dr. jenisha k
3.	19-01-2024	Friday	4.00pm-5.00pm	Module-1	Dr. jenisha k
4.	20-01-2024	Saturday	1.00pm-2.00pm	Module-1	Dr. jenisha k
5.	22-01-2024	Monday	4.00pm-5.00pm	Module-1	Dr. jenisha k
6.	27-01-2024	Saturday	1.00pm-2.00pm	Module-1	Dr. jenisha k
7.	29-01-2024	Monday	4.00pm-5.00pm	Module-1	Dr. jenisha k
8.	02-02-2024	Friday	4.00pm-5.00pm	Module-1	Dr. jenisha k
9.	03-02-2024	Saturday	1.00pm-2.00pm	Module-1	Dr. jenisha k
10.	05-02-2024	Monday	4.00pm-5.00pm	Module-1	Dr. jenisha k
11.	09-02-2024	Friday	4.00pm-5.00pm	Module-1	Dr. jenisha k
12.	10-02-2024	Saturday	1.00pm-2.00pm	Module-1	Dr. jenisha k
13.	12-02-2024	Monday	4.00pm-5.00pm	Module-1	Dr. jenisha k
14.	16-02-2024	Friday	4.00pm-5.00pm	Module-1	Dr. jenisha k
15.	17-02-2024	Saturday	1.00pm-2.00pm	Module-1	Dr. jenisha k
16.	24-02-2024	Saturday	1.00pm-2.00pm	Module-2	Dr. jenisha k
17.	26-02-2024	Monday	4.00pm-5.00pm	Module-2	Dr. jenisha k
18.	01-03-2024	Friday	4.00pm-5.00pm	Module-2	Dr. jenisha k
19.	02-03-2024	Saturday	1.00pm-2.00pm	Module-2	Dr. jenisha k
20.	04-03-2024	Monday	4.00pm-5.00pm	Module-2	Dr. jenisha k


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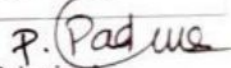
21.	09-03-2024	Saturday	1.00pm-2.00pm	Module-2	Dr. jenisha k
22.	11-03-2024	Monday	4.00pm-5.00pm	Module-2	Dr. jenisha k
23.	15-03-2024	Friday	4.00pm-5.00pm	Module-2	Dr. jenisha k
24.	16-03-2024	Saturday	1.00pm-2.00pm	Module-2	Dr. jenisha k
25.	18-03-2024	Monday	4.00pm-5.00pm	Module-2	Dr. jenisha k
26.	22-03-2024	Friday	4.00pm-5.00pm	Module-2	Dr. jenisha k
27.	23-03-2024	Saturday	1.00pm-2.00pm	Module-2	Dr. jenisha k
28.	25-03-2024	Monday	4.00pm-5.00pm	Module-2	Dr. jenisha k
29.	30-03-2024	Saturday	1.00pm-2.00pm	Module-2	Dr. jenisha k
30.	01-04-2024	Monday	4.00pm-5.00pm	Module-2	Dr. jenisha k
31.	06-04-2024	Saturday	1.00pm-2.00pm	Valedictory	Dr. jenisha k


Course Coordinator

Dr. Jenisha K

Hod 

Dr. Parthasarathy G


Principal

Dr. Padmaa M Paarakh



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COURSE ON INTRODUCTION TO BASIC LIFE SUPPORT METHODS

(Course Code: IBLSM 2023-24)

COMPLETION REPORT

The Department of Pharmacy practice, The Oxford college of Pharmacy, Bangalore, conducted a course on Introduction to Basic Life Support Methods (Course Code: IBLSM 2023-24) for the academic year 2023-24. The course was intended to impart knowledge about the basic life supports methods that can help the students to handle any clinical emergencies.

The course was started with an inaugural function by welcoming the Principal Dr Padmaa M Paarakh. The function was conducted at Room NO-505 and all the participants were introduced by Course Coordinators Dr Jenisha K. Total 30 students were present. The inaugural function has been summed up with the introductory lecture of course coordinator Dr. Jenisha K.

A total 30 hours course had been conducted on Monday, Friday and Saturday after college hours. Total 30 students were enrolled for this course.

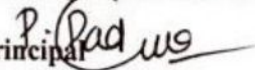
The syllabus of the certificate course had been divided into two modules. After the completion of each modules an internal assessment was conducted, and overall test was conducted after the completion of the course. The results of module I, II and overall were analysed. Approximately 24% students scored grade A (marks percentage-100%) in all the tests followed by 40% who scored grade B (marks percentage-90%) and 36% scored grade C (marks percentage-80%).

The performance of the students in the tests were found excellent. About eighty eight percent of the students had secured excellent grades in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes.

The valedictory function has been conducted on 06-04-2024 and the participation certificate distributed to all 30 students by the Principal and Head of the Department Dr Parthasarathy G, and he had thanked Principal and management for providing best infrastructure for carrying out such courses. Behalf of department he promised to carry out such courses in future also. The guest of the valedictory function, Dr Padmaa M Paarakh, Principal, had appreciated the enthusiasm of the students in this course and congratulate the Department of Pharmacy practice and the course coordinator Dr Jenisha K for the completion of course.

Course Coordinator

Hod ✓

Principal 

Dr. Jenisha K



Dr. Parthasarathy G

Dr. Padmaa M Paarakh



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COURSE ON INTRODUCTION TO BASIC LIFE SUPPORT METHODS

(Course Code: IBLSM 2023-24)

OUTCOME

The Department of Pharmacy practice, The Oxford College of Pharmacy, Bangalore- 560068, completed course Introduction to Basic Life Support Methods (Course Code: IBLSM 2023-24). Overall 30 students were registered and the course was conducted for 30 hours. This course has helped the students in comprehensive advanced life support methods for students which focus on cardiovascular, respiratory, renal, neurological and hepatic life support.

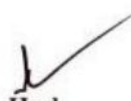
Outcomes: At the end of this course students were able to:

- Understanding of life support principles and modalities.
- Familiarity with life support equipment and technology.
- Knowledge of indications and contraindications for life support.
- Understanding of life support protocols and guidelines.
- Recognition of the importance of timely and effective life support.
- Ability to apply life support principles in real-life scenarios.
- Ability to evaluate the effectiveness of life support interventions.
- Development of critical thinking skills for life support decision-making.

The students were satisfied and were keen to attend such programs in future.


Course Coordinator

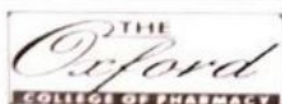
Dr. Jenisha K


Hod

Dr. Parthasarathy G


Principal

Dr. Padmaa M Paarakh





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COURSE ON INTRODUCTION TO BASIC LIFE SUPPORT METHODS

(Course Code: IBLSM 2023-24)

S.N	Name of the student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	A Yeswanth	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
2	Abhinav Anand	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
3	Abhishek H Patil	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
4	Abisheka.M	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
5	Aditya	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
6	Akash. R	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
7	Akshitha.A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
8	Alluri Yaswanth	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
9	Amrin A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
10	R.Anbalagan	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
11	Anupriya.K	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
12	Anushka Singh	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
13	Ashwini.B.S	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
14	Ayesha Maryam	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
15	B M Monika	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
16	Bhagyashree	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
17	Bharath.B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
18	Bhaskar.C	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
19	Bhoomika	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
20	Deena K R	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
21	Deepika V	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
22	Devendra D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
23	E Dilip Kumar	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
24	Dipanjana Nayek	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
25	Ganesh Kumar	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
26	Geetha.M	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
27	Gokilan.N	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
28	Gowtham. V	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
29	Gunashree.M	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
30	Hanumantaraya Gouda	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
	SIGNATURE	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h





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COURSE ON APPLICATION OF DRUG INFORMATION SOFTWARE IN PHARMACY PRACTICE

(Course Code: IBLMS2023-24)

S.N	Name of the student	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	A Yeswanth	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
2	Abhinav Anand	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
3	Abhishek H Patil	Abh	Abh	Abh	Abh	Abh	Abh	Abh	Abh	Abh	Abh	Abh	Abh	Abh	Abh	Abh
4	Abisheka.M	Abi	Abi	Abi	Abi	Abi	Abi	Abi	Abi	Abi	Abi	Abi	Abi	Abi	Abi	Abi
5	Aditya	Adi	Adi	Adi	Adi	Adi	Adi	Adi	Adi	Adi	Adi	Adi	Adi	Adi	Adi	Adi
6	Akash. R	Ak	Ak	Ak	Ak	Ak	Ak	Ak	Ak	Ak	Ak	Ak	Ak	Ak	Ak	Ak
7	Akshitha.A	Aksh	Aksh	Aksh	Aksh	Aksh	Aksh	Aksh	Aksh	Aksh	Aksh	Aksh	Aksh	Aksh	Aksh	Aksh
8	Alluri Yaswanth	Allu	Allu	Allu	Allu	Allu	Allu	Allu	Allu	Allu	Allu	Allu	Allu	Allu	Allu	Allu
9	Amrin A	Amr	Amr	Amr	Amr	Amr	Amr	Amr	Amr	Amr	Amr	Amr	Amr	Amr	Amr	Amr
10	R.Anbalagan	Ran	Ran	Ran	Ran	Ran	Ran	Ran	Ran	Ran	Ran	Ran	Ran	Ran	Ran	Ran
11	Anupriya.K	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu
12	Anushka Singh	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu
13	Ashwini.B.S	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash
14	Ayesha Maryam	Aye	Aye	Aye	Aye	Aye	Aye	Aye	Aye	Aye	Aye	Aye	Aye	Aye	Aye	Aye
15	B M Monika	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
16	Bhagyashree	Bh	Bh	Bh	Bh	Bh	Bh	Bh	Bh	Bh	Bh	Bh	Bh	Bh	Bh	Bh
17	Bharath.B	Bha	Bha	Bha	Bha	Bha	Bha	Bha	Bha	Bha	Bha	Bha	Bha	Bha	Bha	Bha
18	Bhaskar.C	Bha	Bha	Bha	Bha	Bha	Bha	Bha	Bha	Bha	Bha	Bha	Bha	Bha	Bha	Bha
19	Bhoomika	Bho	Bho	Bho	Bho	Bho	Bho	Bho	Bho	Bho	Bho	Bho	Bho	Bho	Bho	Bho
20	Deena K R	De	De	De	De	De	De	De	De	De	De	De	De	De	De	De
21	Deepika V	Dep	Dep	Dep	Dep	Dep	Dep	Dep	Dep	Dep	Dep	Dep	Dep	Dep	Dep	Dep
22	Devendra D	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev
23	E Dilip Kumar	Edi	Edi	Edi	Edi	Edi	Edi	Edi	Edi	Edi	Edi	Edi	Edi	Edi	Edi	Edi
24	Dipanjana Nayek	Dip	Dip	Dip	Dip	Dip	Dip	Dip	Dip	Dip	Dip	Dip	Dip	Dip	Dip	Dip
25	Ganesh Kumar	Gan	Gan	Gan	Gan	Gan	Gan	Gan	Gan	Gan	Gan	Gan	Gan	Gan	Gan	Gan
26	Geetha.M	Ge	Ge	Ge	Ge	Ge	Ge	Ge	Ge	Ge	Ge	Ge	Ge	Ge	Ge	Ge
27	Gokilan.N	Gok	Gok	Gok	Gok	Gok	Gok	Gok	Gok	Gok	Gok	Gok	Gok	Gok	Gok	Gok
28	Gowtham. V	Go	Go	Go	Go	Go	Go	Go	Go	Go	Go	Go	Go	Go	Go	Go
29	Gunashree.M	Gun	Gun	Gun	Gun	Gun	Gun	Gun	Gun	Gun	Gun	Gun	Gun	Gun	Gun	Gun
30	Hanumantaraya Gouda	Han	Han	Han	Han	Han	Han	Han	Han	Han	Han	Han	Han	Han	Han	Han
	SIGNATURE	hp	hp	hp	hp	hp	hp	hp	hp	hp	hp	hp	hp	hp	hp	hp



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THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that ~~Mr.~~/Ms. ANUPRIYA. K of 2nd B.PHARM year has undergone an course on "Introduction to life support methods" held at Department of Pharmacy Practice, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

COURSE COORDINATOR

Dr. JENISHA K
Dept of Pharmacy Practice
The Oxford College of
Pharmacy

HOD

Dr. PARTHASARATHY G
Dept of Pharmacy Practice
The Oxford College of
Pharmacy

PRINCIPAL

Dr. PADMAA M PAARAKHI
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that ~~Mr./Ms.~~ B M MONIKA of 2nd B PHARM year has undergone an course on "Introduction to life support methods" held at Department of Pharmacy Practice, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

COURSE COORDINATOR

Dr. JENISHA K
Dept of Pharmacy Practice
The Oxford College of
Pharmacy

HOD

Dr. PARTHASARATHY G
Dept of Pharmacy Practice
The Oxford College of
Pharmacy

PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



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6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that **Mr./Ms.** E DILIP KUMAR of 3RD B PHARM year has undergone an course on "Introduction to life support methods" held at Department of Pharmacy Practice, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

COURSE COORDINATOR

Dr. JENISHA K
Dept of Pharmacy Practice
The Oxford College of
Pharmacy

HOD

Dr. PARTHASARATHY G
Dept of Pharmacy Practice
The Oxford College of
Pharmacy

PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. GANESH KUMAR of 3RD B PHARM year has undergone an course on "Introduction to life support methods" held at Department of Pharmacy Practice, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

COURSE COORDINATOR

Dr. JENISHA K
Dept of Pharmacy Practice
The Oxford College of
Pharmacy

HOD

Dr. PARTHASARATHY G
Dept of Pharmacy Practice
The Oxford College of
Pharmacy

PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. DEENA K R of 3RD B-PHARM year has undergone an course on "Introduction to life support methods" held at Department of Pharmacy Practice, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR

Dr. JENISHA K
Dept of Pharmacy Practice
The Oxford College of
Pharmacy


HOD

Dr. PARTHASARATHY G
Dept of Pharmacy Practice
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



Children's Education Society (Regd.)

The Oxford College of Pharmacy

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Approved by Pharmacy Council of India, New Delhi)

COURSE ON DESIGN OF QUESTIONNAIRE AND SCORING METHODS FOR CLINICAL ASSESSMENT (COURSE CODE: DOQ 2023-24)

NOTICE

Date: 10-01-2024

To

Notice Board

To be read in the class rooms

Course Co-ordinator-Dr Priyadharshini.M

To be filed.

The Oxford College of Pharmacy, Bangalore introduces a 30 hours course on Design of Questionnaire and scoring methods for Clinical assessment for the academic year 2023-24, for the benefit of B.Pharm, students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from 16/01/2024 and will be conducted after college hours on Tuesday, Thursday, and Saturday. The eligibility criteria include students Pursuing Pharmacy Degree in B.Pharm. Interested students can enroll with Dr Priyadharshini.M, course coordinator on or before 12th Jan 2024.

COURSE CO-ORDINATOR

Dr Priyadharshini.M

HOD

Dr Parthasarathy G

PRINCIPAL

Dr Padmaa M Paarakh



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e-mail: pharmacyprincipal@theoxford.edu; info@theoxford.edu;

Organizing Committee

Chairperson	Dr. Padmaa M Paarakh, Principal, TOCP, Bangalore.
HOD	Dr G Parthasarathy Department of Pharmacy Practice TOCP, Bangalore.
Program Coordinator	Dr Priyadharshini.M Department of Pharmacy Practice TOCP, Bangalore.

For Further Information Contact

Dr Priyadharshini.M
Assistant Professor
Department of Pharmacy Practice
TOCP, Bangalore
Email:
priya2022mahesh@gmail.com

THE OXFORD COLLEGE OF PHARMACY

The Oxford College of Pharmacy (TOCP) was established in 1992. TOCP under the aegis of Children's Education Society (R) offers D.Pharm, B.Pharm, M.Pharm, Pharm.D, and Pharm.D (Post Baccalaureate) programs. TOCP is recognized by the Government of Karnataka, affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, and Drug Control Board, Karnataka respectively, and Pharmacy Council of India, New Delhi. TOCP has excellent infrastructure in terms of sophisticated instruments, laboratories, lecture halls, etc.

ELIGIBILITY CRITERIA

Students Pursuing Pharmacy Degree in B.Pharm

Course

On

**“Design of Questionnaires
and scoring methods for
Clinical assessment”**



Organized by

**THE OXFORD COLLEGE OF
PHARMACY**

Department of Pharmacy Practice,
1st Main Rd, Hongasandra, Bengaluru,
Karnataka 560068

Duration: 30 hours

Last date for registration: 12/01/2024

Date of commencement: 16/01/2024

Planned Examination (After completion
of 30 hour classes.

REGISTRATION

Registration Fees	NIL It is a free course offered by The Oxford College of Pharmacy Bangalore-68
Contact person for registration	Dr Priyadharshini.M 8310366989

STRUCTURE

- Course will be conducted for 30 hours.
- Every Tuesday, Thursday and Saturday after the college hours.

COURSE DESCRIPTION

The Department of Pharmacy Practice, TOCP, Bangalore introduces a thirty hours course on 'Design of Questionnaire and scoring methods for Clinical assessment' (Course Code: DOQ 2023-24). This course offers knowledge on designing and development of questionnaire with scoring methods for clinical assessment

OBJECTIVES OF PROGRAM

- To develop insights on methodology for designing and development of questionnaire.
- To promote understanding on different considerations and characteristics for development of a standard questionnaire of clinical assessment.
- To promote awareness on criteria for a good questionnaire design
- To develop methodology for scoring methods.

FINAL ASSESSMENT

Final exams will be conducted at the end of the syllabus.

DURATION

Thirty hours.

OUTCOME

- Students will explore comprehensive knowledge on designing and development of questionnaire.
- Students will acquire knowledge on different scoring methods for clinical assessment.
- This course helps the students to develop thorough understanding on various considerations for designing and developing questionnaire for study.

REGISTRATION PROCESS

- Students can directly contact to the course coordinator Dr Priyadharshini.M



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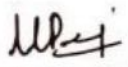
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COURSE ON DESIGN OF QUESTIONNAIRE AND SCORING METHODS FOR CLINICAL ASSESSMENT

(COURSE CODE: DOQ 2023-24)

REGISTRATION LIST

SlNo.	Student Name	Signature
1	MADHUSHREE	Madhushree
2	MANOHAR K	Manohar. K.
3	MANOJ KUMAR M	Manoj Kumar. M.
4	MANSI BEN OZA	Mansi
5	MEGHANA S	Meghana. S
6	MEGHANA NADGIR	Meghana S.
7	MITHUN N	Mithun
8	MONIKA S REDDY	Monika Reddy
9	MONIKA N	Monika N
10	NASIBA N K	Nasiba
11	NIDHISHREE S	Nidhishree. S
12	NIKSHEP N S	Nikshap. N. S
13	PJEEVITHA	P. Jeevitha.
14	PALLAVI S	Pallavi
15	PREETHU K	Preethu. K.


COURSE CO-ORDINATOR

Dr Priyadharshini.M


HOD

Dr Parthasarathy G


PRINCIPAL

Dr Padmaa M Paarakh



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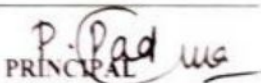
COURSE ON DESIGN OF QUESTIONNAIRE AND SCORING METHODS FOR CLINICAL ASSESSMENT (Course Code: DOQ 2023-24)

SYLLABUS

MODULES	TOPICS
Module I	Introduction To Questionnaire design
	Purpose and importance of questionnaires in clinical assessment
	Basic Understanding about requirements for building ideal questionnaire
	Specifications for ideal questionnaire design
	Types of questionnaires
	Structured questionnaire
	semi-structured questionnaire
	Unstructured questionnaire
	Framework of questionnaire design
	Structuring questions for inclusion in questionnaire
	Comprehensive literature review for framing questions
	Primary and secondary literature resources
	Tertiary resources for framing questionnaire
	Questionnaire optimization
Need and importance for Questionnaire validation	
Module II	Questionnaire validation process
	Validation by health care professionals
	Validation by Academic experts
	Validation by layperson and patients
	Graphical methods for validating the reliability of questionnaire
	Specifications for validation of questionnaire
	ICVI
	Evaluation Of Consistency of ICVI
	SCVI
	Evaluation Of Consistency of SCVI
	Cronbach Alpha Score Various Domains For Validation
	Acceptability criteria for Cronbach Alpha Score
	Assessment Of Idealness Of Questionnaire
	Use Of Software System For Questionnaire Development
Discussion session with quiz activity	


CO-ORDINATOR


HOD


PRINCIPAL

Dr. Priyadharshini.M

Dr. G Parthasarathy

Dr. Padmaa M. Paarakh



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**COURSE ON DESIGN OF QUESTIONNAIRE AND SCORING METHODS FOR CLINICAL
ASSESSMENT
(COURSE CODE: DOQ 2023-24)
SESSION PLAN**

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1	16/01/2024	TUESDAY	4.30-5.30PM	Inauguration Module 1	Dr Padmaa M Paarakh
2	18/01/2024	THURSDAY	4.30-5.30PM	Module 1	Dr Priyadharshini.M
3	20/01/2024	SATURDAY	1.30-2.30PM	Module 1	Dr Priyadharshini.M
4	23/01/2024	TUESDAY	4.30-5.30PM	Module 1	Dr Priyadharshini.M
5	25/01/2024	THURSDAY	4.30-5.30PM	Module 1	Dr Priyadharshini.M
6	27/01/2024	SATURDAY	1.30-2.30PM	Module 1	Dr Priyadharshini.M
7	30/01/2024	TUESDAY	4.30-5.30PM	Module 1	Dr Priyadharshini.M
8	01/02/2024	THURSDAY	4.30-5.30PM	Module 1	Dr Priyadharshini.M
9	03/02/2024	SATURDAY	1.30-2.30PM	Module 1	Dr Priyadharshini.M
10	06/02/2024	TUESDAY	4.30-5.30PM	Module 1	Dr Priyadharshini.M
11	08/02/2024	THURSDAY	4.30-5.30PM	Module 1	Dr Priyadharshini.M
12	10/02/2024	SATURDAY	1.30-2.30PM	Module 1	Dr Priyadharshini.M
13	13/02/2024	TUESDAY	4.30-5.30PM	Module 1	Dr Priyadharshini.M
14	15/02/2024	THURSDAY	4.30-5.30PM	Module 1	Dr Priyadharshini.M
15	17/02/2024	SATURDAY	1.30-2.30PM	Module 1	Dr Priyadharshini.M
16	27/02/2024	TUESDAY	4.30-5.30PM	Module 2	Dr Priyadharshini.M
17	29/02//2024	THURSDAY	4.30-5.30PM	Module 2	Dr Priyadharshini.M
18	02/03/2024	SATURDAY	1.30-2.30PM	Module 2	Dr Priyadharshini.M
19	05/03/2024	TUESDAY	4.30-5.30PM	Module 2	Dr Priyadharshini.M
20	07/03/2024	THURSDAY	4.30-5.30PM	Module 2	Dr Priyadharshini.M
21	09/03//2024	SATURDAY	1.30-2.30PM	Module 2	Dr Priyadharshini.M



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22	12/03/2024	TUESDAY	4.30-5.30PM	Module 2	Dr Priyadharshini M
23	14/03/2024	THURSDAY	4.30-5.30PM	Module 2	Dr Priyadharshini M
24	16/03/2024	SATURDAY	1.30-2.30PM	Module 2	Dr Priyadharshini M
25	19/03/2024	TUESDAY	4.30-5.30PM	Module 2	Dr Priyadharshini M
26	21/03/2024	THURSDAY	4.30-5.30PM	Module 2	Dr Priyadharshini M
27	23/03/2024	SATURDAY	1.30-2.30PM	Module 2	Dr Priyadharshini M
28	26/03/2024	TUESDAY	4.30-5.30PM	Module 2	Dr Priyadharshini M
29	28/03/2024	THURSDAY	4.30-5.30PM	Module 2	Dr Priyadharshini M
30	30/03/2024	SATURDAY	1.30-2.30PM	Module 2	Dr Priyadharshini M
31	30/03/2024	SATURDAY	2.30-3.00PM	Module 2	Dr Padmaa M Paarakh
				Valedictory	Dr Priyadharshini M


COURSE CO-ORDINATOR

Dr Priyadharshini.M


HOD

Dr Parthasarathy G


PRINCIPAL

Dr Padmaa M Paarakh



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22	12/03/2024	TUESDAY	4.30-5.30PM	Module 2	Dr Priyadharshini.M
23	14/03/2024	THURSDAY	4.30-5.30PM	Module 2	Dr Priyadharshini.M
24	16/03/2024	SATURDAY	1.30-2.30PM	Module 2	Dr Priyadharshini.M
25	19/03/2024	TUESDAY	4.30-5.30PM	Module 2	Dr Priyadharshini.M
26	21/03/2024	THURSDAY	4.30-5.30PM	Module 2	Dr Priyadharshini.M
27	23/03/2024	SATURDAY	1.30-2.30PM	Module 2	Dr Priyadharshini.M
28	26/03/2024	TUESDAY	4.30-5.30PM	Module 2	Dr Priyadharshini.M
29	28/03/2024	THURSDAY	4.30-5.30PM	Module 2	Dr Priyadharshini.M
30	30/03/2024	SATURDAY	1.30-2.30PM	Module 2	Dr Priyadharshini.M
31	30/03/2024	SATURDAY	2.30-3.00PM	Module 2	Dr Padmaa M Paarakh
				Valedictory	Dr Priyadharshini.M


COURSE CO-ORDINATOR

Dr Priyadharshini.M


HOD

Dr Parthasarathy G


PRINCIPAL

Dr Padmaa M Paarakh



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COURSE ON DESIGN OF QUESTIONNAIRE AND SCORING METHODS FOR CLINICAL ASSESSMENT (COURSE CODE: DOQ 2023-24)

OUTCOME REPORT

The Department of Pharmacy Practice, The Oxford College of Pharmacy, Bangalore-560068, completed Course on 'Design Of Questionnaire and Scoring Methods for Clinical Assessment' (Course Code DOQ 2023-24). 15 students were registered and the course was conducted for 30 hours.

This course offers the necessary skills and knowledge for designing and development of ideal questionnaire for clinical assessment .

OUTCOMES :

At the end of this course students were able to,

- To acquire insights on methodology for designing and development of questionnaire.
- Enabled better understanding on different considerations and characteristics for development of a standard questionnaire of clinical assessment .
- Acknowledge on criteria for a good questionnaire design and specifications for designing ideal questionnaire.
- To develop better understanding on methodology for framing questions and validation .


COURSE CO-ORDINATOR

Dr Priyadarshini.M


HOD

Dr Parthasarathy G


PRINCIPAL

Dr Padmaa M Paarakh





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COURSE ON DESIGN OF QUESTIONNAIRE AND SCORING METHODS FOR CLINICAL ASSESSMENT (COURSE CODE: DOQ 2023-24)

COMPLETION REPORT

The Department of Pharmacy Practice, The Oxford college of Pharmacy, Bangalore, conducted a course on "Design Of Questionnaire And Scoring Methods For Clinical Assessment" (Course Code: DOQ 2023-24) for the academic year 2023-24. This course offers the necessary knowledge and skills for designing and development of ideal questionnaire for clinical assessment .

The course was started with an inaugural function by welcoming the Principal Dr Padmaa M Paarakh. The function was conducted at Room No-501 and all the participants were introduced by Course Coordinator Dr Priyadharshini.M. 15 students were present. The inaugural function has been summed up with the introductory lecture of course coordinator Dr Priyadharshini.M.

A total 30 hours course had been conducted after college hours on Tuesday, Thursday and Saturday. Total 15 students were enrolled for this course.

The syllabus of the course had been divided into two modules. After the completion of each modules an internal assessment was conducted and overall test was conducted after the completion of the course. The final results of the tests conducted for module I, II and overall were analysed. Approximately 32.2 % students scored grade A (marks percentage-100%) in all the tests followed by 38.9 % who scored grade B (marks percentage-90%) and 28.9 % scored grade C (marks percentage-80%).

The performance of the students in the tests were found excellent. About eighty percent of the students had secured excellent grades in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes.

The valedictory function has been conducted on 30/03/2024 and the course participation certificate were distributed to all 15 students by the Principal Dr. Padmaa M. Paarakh and Head of the Department Dr Parthasarathy. Dr Parthasarathy thanked Principal madam and management for providing best infrastructure for carrying out such courses. On behalf of department she promised to carry out such courses in future also.

The guest of the valedictory function, Dr Padmaa M Paarakh, Principal, TOCP, Bangalore had appreciated the enthusiasm of the students for this course and congratulated the Department of Pharmacy Practice and the course coordinator Dr Priyadharshini.M for the successful completion of the course.


COURSE CO-ORDINATOR

Dr Priyadharshini.M


HOD

Dr Parthasarathy G


PRINCIPAL

Dr Padmaa M Paarakh



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COURSE ON DESIGN OF QUESTIONNAIRE AND SCORING METHODS FOR CLINICAL ASSESSMENT

(Course Code: DOQ 2023-24)

Attendance Statement

S. No	Name of the student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Date of the Class	16/1	18/1	20/1	23/1	25/1	27/1	30/1	1/2	3/2	6/2	8/2	10/2	13/2	14/2	17/2
1	MADHUSHREE	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
2	MANOHAR K	m.u	m.u	m.k	m.k	m.k	m.k	m.k	m.k	m.k	m.k	m.k	m.k	m.k	m.k	m.k
3	MANOJ KUMAR M	m.k	m.k	m.k	m.k	m.k	m.k	m.k	m.k	m.k	m.k	m.k	m.k	m.k	m.k	m.k
4	MANSI BEN OZA	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
5	MEGHANA S	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
6	MEGHANA NADGIR	m.g	m.g	m.g	m.g	m.g	m.g	m.g	m.g	m.g	m.g	m.g	m.g	m.g	m.g	m.g
7	MITHUN N	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
8	MONIKA S REDDY	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
9	MONIKA N	mn	mn	mn	mn	mn	mn	mn	mn	mn	mn	mn	mn	mn	mn	mn
10	NASIBA N K	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
11	NIDHISHREE S	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	NIKSHEP N S	n.s	n.s	n.s	n.s	n.s	n.s	n.s	n.s	n.s	n.s	n.s	n.s	n.s	n.s	n.s
13	P.JEEVITHA	p.s	p.s	p.s	p.s	p.s	p.s	p.s	p.s	p.s	p.s	p.s	p.s	p.s	p.s	p.s
14	PALLAVIS	P.S	P.S	P.S	P.S	P.S	P.S	P.S	P.S	P.S	P.S	P.S	P.S	P.S	P.S	P.S
15	PREETHU K	P.K	P.K	P.K	P.K	P.K	P.K	P.K	P.K	P.K	P.K	P.K	P.K	P.K	P.K	P.K
	SIGN	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q





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COURSE ON DESIGN OF QUESTIONNAIRE AND SCORING METHODS FOR CLINICAL ASSESSMENT

(Course Code: DOQ 2023-24)

Attendance Statement

S. No	Name of the student	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	Date of the Class	27/2	29/2	2/3	5/3	7/3	9/3	12/3	14/3	16/3	19/3	21/3	23/3	26/3	28/3	30/3
1	MADHUSHREE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	MANOHAR K	M.K	M.K	M.K	M.K	M.K	M.K	M.K	M.K	M.K	M.K	M.K	M.K	M.K	M.K	M.K
3	MANOJ KUMAR M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	MANSI BEN OZA	MBO	MBO	MBO	MBO	MBO	MBO	MBO	MBO	MBO	MBO	MBO	MBO	MBO	MBO	MBO
5	MEGHANA S	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
6	MEGHANA NADGIR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	MITHUN N	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	MONIKA S REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	MONIKA N	MN	MN	MN	MN	MN	MN	MN	MN	MN	MN	MN	MN	MN	MN	MN
10	NASIBA N K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	NIDHISHREE S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	NIKSHEP N S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	P.JEEVITHA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
14	PALLAVIS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	PREETHU K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SIGNATURE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓





THE OXFORD COLLEGE OF PHARMACY
6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that*MADHUSHREE*.....of ...*B.Pharm*.... has undergone an *Course on "Design Of Questionnaire and Scoring Methods for Clinical Assessment"* held at the Department of Pharmacy Practice. The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-24.


Course Coordinator


HOD


Principal

Dr Priyadharshini.M
Dept. of Pharmacy Practice
The Oxford College of Pharmacy

Dr. G Parthasarathy
Dept. of Pharmacy Practice
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



THE OXFORD COLLEGE OF PHARMACY
6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that MANOHAR K of B.PHARM has undergone an *Course on "Design Of Questionnaire and Scoring Methods for Clinical Assessment"* held at the Department of Pharmacy Practice, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-24.

Course Coordinator

Dr Priyadharshini.M
Dept. of Pharmacy Practice
The Oxford College of Pharmacy

HOD

Dr. G Parthasarathy
Dept. of Pharmacy Practice
The Oxford College of Pharmacy

Principal

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



THE
Oxford
COLLEGE OF PHARMACY

THE OXFORD COLLEGE OF PHARMACY
6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that *MEGHANAS* of *B PHARM* has undergone an *Course on "Design Of Questionnaire and Scoring Methods for Clinical Assessment"* held at the Department of Pharmacy Practice, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-24.

MPij
Course Coordinator

ke
HOD

P. Padma
Principal

Dr Priyadharshini.M
Dept. of Pharmacy Practice
The Oxford College of Pharmacy

Dr. G Parthasarathy
Dept. of Pharmacy Practice
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify thatMONIKAN.....of ...B.PHARM..... has undergone an *Course on “Design Of Questionnaire and Scoring Methods for Clinical Assessment”* held at the Department of Pharmacy Practice, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-24.


Course Coordinator


HOD


Principal

Dr Priyadharshini.M
Dept. of Pharmacy Practice
The Oxford College of Pharmacy

Dr. G Parthasarathy
Dept. of Pharmacy Practice
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



The Oxford
College of Pharmacy

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PARTICIPATION CERTIFICATE

This is to certify that*NASIBANK*.....of*B PHARM*..... has undergone an *Course on "Design Of Questionnaire and Scoring Methods for Clinical Assessment"* held at the Department of Pharmacy Practice, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-24.


Course Coordinator

Dr Priyadharshini.M
Dept. of Pharmacy Practice
The Oxford College of Pharmacy


HOD

Dr. G Parthasarathy
Dept. of Pharmacy Practice
The Oxford College of Pharmacy


Principal

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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**COURSE ON APPLICATION OF DRUG INFORMATION SOFTWARE IN PHARMACY
PRACTICE**

(Course Code: ADISP 2023-24)

NOTICE

Date: 08-07-2024

To

Notice Board

To be read in the classrooms

Course Coordinators- Dr Jenisha k

To be filed

The Department of Pharmacy practice, The Oxford College of Pharmacy, Bangalore introduces 30 hours course on Application of drug information software in pharmacy practice for the academic year 2023-24, for the benefit of Pharm D, Pharm D PB students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from 15th Jul 2024 and will be conducted after the college hours on Monday, Friday and Saturday. The eligibility criteria include students pursuing Pharmacy degree, that is Pharm D, Pharm D PB students. Interested students can enroll with Dr Jenisha k, course coordinators on or before 12th Jul 2024.


Course Coordinator

Dr. Jenisha K


Hod

Dr. Parthasarathy G


Principal

Dr. Padmaa M Paarakh

Organizing Committee



No.6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru - 560 068
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e-mail: pharmacyprincipal@theoxford.edu, info@theoxford.edu.

Organizing Committee

Chairperson	Dr. Padmaa M Paarakh, Principal, TOCP, Bengaluru.
HOD	Dr. Parthasarathy G HOD, Department of Pharmacy Practice TOCP, Bangalore.
Course Members	Dr Jenisha K 9741024432

For Further Information Contact

Dr JENISHA K

Email: jenishaks98@gmail.com

Course Coordinator

Department of

Pharmacy Practice, TOCP, Bengaluru

THE OXFORD COLLEGE OF PHARMACY

The Oxford College of Pharmacy (TOCP) was established in 1992. TOCP under the aegis of Children's Education Society (R) offers D. Pharm, B. Pharm, M. Pharm, Pharm. D, and Pharm. D (Post Baccalaureate) programs. TOCP is recognized by the Government of Karnataka, affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, and Drug Control Board, Karnataka respectively, and Pharmacy Council of India, New Delhi. TOCP has excellent infrastructure in terms of sophisticated instruments, laboratories, lecture halls, etc.

ELIGIBILITY CRITERIA

Students Pursuing Pharmacy Degree Pharm. D, Pharm. D (Post-Baccalaureate). Students from fifth Pharm. D and second, Pharm. D (Post baccalaureate).

Course

On

**“APPLICATION OF DRUG
INFORMATION
SOFTWARE IN
PHARMACY PRACTICE ”**



Estd. 1974

Organized by

**THE OXFORD COLLEGE
OF PHARMACY**

Department of Pharmacy practice

1st Main rd., Hongasandra,

Bengaluru, Karnataka -560 068

Important Dates

Duration: 30 hours

Last date for registration: 12 Jul 2024

Date of commencement: 15th Jul 2024

Final Evaluation : 2024

REGISTRATION

Registration Fees NIL
It is a free course offered by The Oxford College of Pharmacy, Bengaluru-68

Contact person for registration Dr JENISHA K
Course Coordinator

STRUCTURE

- Course will be conducted for 30 hours after college hours.
- Every Monday, Fridays and Saturdays after college hours

COURSE DESCRIPTION

The Department of Pharmacy Practice, TOCP , Bangalore- 560068 introduces a course **APPLICATION OF DRUG INFORMATION SOFTWARE IN PHARMACY PRACTICE (course code: ADISP 2023-24)** teaches about the comprehensive drug information, interaction, dosing, monographs, toxicology which will there by help the students to improve the clinical knowledge and helps in providing better therapy options in the clinical settings

OBJECTIVES OF THE PROGRAM

- Understand the importance of drug information software in pharmacy practice.
- Identify and describe various types of drug information software. Recognize the features and functionality of popular drug information software.
- Understand the role of drug information software in medication safety and error prevention.
- Analyze and interpret drug monographs, interactions, and warnings.
- Use drug information software to identify potential drug interaction and contraindications.
- Navigate and utilize software features for pediatric, geriatric, and pregnancy/lactation considerations.

FINAL ASSESSMENT

Final evaluation will be conducted at the end of the syllabus

OUTCOME

- Understanding of drug information software features and functionality
- Familiarity with various drug information software
- Knowledge of drug databases, interaction checking, and dosing calculators.
- Understanding of regulatory requirements and guidelines for drug information software.
- Awareness of emerging trends and technologies in drug information software.
- Proficiency in searching and retrieving drug information using software.

REGISTRATION PROCESS

Students can directly contact the course coordinator- Dr. Jenisha k
CONTACT: 9741024432.

DURATION

30 hours beginning from 15th JUL 2024



**COURSE ON APPLICATION OF DRUG INFORMATION SOFTWARE IN PHARMACY
PRACTICE**

(Course Code: ADISP 2023-24)

S.No	Student Name	Signature
1	ARINDAMDEY	
2	BABISHA R	
3	BHAVYASHREE N	
4	DHARUNBALA L	
5	FARHANA AA	
6	HARSHITHA A	
7	LIKITHACHANDRASHEKAR	
8	NEETHU TP	
9	NISHANTH KK	
10	NIZAMUDDIN	
11	NUNGSHICHILA A JAMIR	
12	PRADEEP S	
13	RISHIKA GUPTA	
14	RUDRAMBIKA M	
15	SARAVANAGIRI A	
16	SARAVANAN M	
17	SEEMA SL	
18	SHREYADATTA	
19	ADARSH KUMAR	
20	DEEPAK CHOUDHARY	



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21	SAFREEN TA	<i>Saf</i>
22	GIRISH ADITHYA	<i>G.</i>
23	SOURABH SINGH	<i>Sourabh Singh</i>

Jenisha K
Course Coordinator

Dr. Jenisha K

Parthasarathy G
Hod

Dr. Parthasarathy G

P. Padma
Principal

Dr. Padmaa M Paarakh



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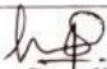
Approved by Pharmacy Council of India, New Delhi

COURSE ON APPLICATION OF DRUG INFORMATION SOFTWARE IN PHARMACY PRACTICE


(Course Code: ADISP 2023-24)

SYLLABUS

MODULES	TOPICS
MODULE - I	Introduction to Pharmacy Drug Information Software
	Overview of drug information software
	Importance in pharmacy practice
	Regulatory requirements and guidelines
	Drug Information Software Features and Functionality
	Drug databases and interaction checking
	Dosing calculators and paediatric/geriatric considerations
	Pregnancy and lactation information
	Warning and alert systems
	Critical Evaluation of Drug Information Software
	Evaluating credibility and reliability
	Analysing software limitations and biases
	Comparing and contrasting different software
	Lexi-Comp
	Micromedex
MODULE - II	Application in Pharmacy Practice
	Patient counselling and education
	Medication therapy management
	Collaborating with healthcare professionals
	Advanced Topics in Pharmacy Drug Information Software
	Emerging trends and technologies
	Software updates and new features
	Pharmacy informatics and automation
	Artificial intelligence and machine learning applications
	Mobile health (mHealth) and tele pharmacy integration
	Emerging trends and technologies
	Optimizing medication therapy for patients with multiple comorbidities
	Managing drug interactions pharmacogenomics-based
	Using software to support pharmacogenomics-based decision-making
	Evaluating software for specific patient populations (e.g., paediatrics, geriatrics)
Analysing software limitations in rare or complex disease states	


Course Coordinator

Dr. Jenisha K


HOD

Dr. Parthasarathy G


Principal

Dr. Padmaa M Paarakh



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COURSE ON APPLICATION OF DRUG INFORMATION SOFTWARE IN PHARMACY PRACTICE

(Course Code: ADISP 2023-24)

Session Plan

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1.	15-07-2024	Monday	4.00 pm-5.30pm	Inaugural Module-1	Dr. Padmaa. M. Paarakh Dr. jenisha k
2.	19-07-2024	Friday	4.00pm-5.00pm	Module-1	Dr. jenisha k
3.	20-07-2024	Saturday	1.00pm-2.00pm	Module-1	Dr. jenisha k
4.	22-07-2024	Monday	4.00pm-5.00pm	Module-1	Dr. jenisha k
5.	26-07-2024	Friday	4.00pm-5.00pm	Module-1	Dr. jenisha k
6.	27-07-2024	Saturday	1.00pm-2.00pm	Module-1	Dr. jenisha k
7.	29-07-2024	Monday	4.00pm-5.00pm	Module-1	Dr. jenisha k
8.	02-08-2024	Friday	4.00pm-5.00pm	Module-1	Dr. jenisha k
9.	03-08-2024	Saturday	1.00pm-2.00pm	Module-1	Dr. jenisha k
10.	05-08-2024	Monday	4.00pm-5.00pm	Module-1	Dr. jenisha k
11.	09-08-2024	Friday	4.00pm-5.00pm	Module-1	Dr. jenisha k
12.	10-08-2024	Saturday	1.00pm-2.00pm	Module-1	Dr. jenisha k
13.	12-08-2024	Monday	4.00pm-5.00pm	Module-1	Dr. jenisha k
14.	16-08-2024	Friday	4.00pm-5.00pm	Module-1	Dr. jenisha k
15.	17-08-2024	Saturday	1.00pm-2.00pm	Module-1	Dr. jenisha k
16.	19-08-2024	Monday	4.00pm-5.00pm	Module-2	Dr. jenisha k
17.	23-08-2024	Friday	4.00pm-5.00pm	Module-2	Dr. jenisha k
18.	24-08-2024	Saturday	1.00pm-2.00pm	Module-2	Dr. jenisha k
19.	26-08-2024	Monday	4.00pm-5.00pm	Module-2	Dr. jenisha k
20.	30-08-2024	Friday	4.00pm-5.00pm	Module-2	Dr. jenisha k



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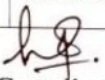
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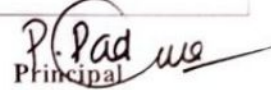
21.	31-08-2024	Saturday	1.00pm-2.00pm	Module-2	Dr. jenisha k
22.	02-09-2024	Monday	4.00pm-5.00pm	Module-2	Dr. jenisha k
23.	06-09-2024	Friday	4.00pm-5.00pm	Module-2	Dr. jenisha k
24.	14-09-2024	Saturday	1.00pm-2.00pm	Module-2	Dr. jenisha k
25.	20-09-2024	Friday	4.00pm-5.00pm	Module-2	Dr. jenisha k
26.	21-09-2024	Saturday	1.00pm-2.00pm	Module-2	Dr. jenisha k
27.	23-09-2024	Monday	4.00pm-5.00pm	Module-2	Dr. jenisha k
28.	27-09-2024	Friday	4.00pm-5.00pm	Module-2	Dr. jenisha k
29.	28-09-2024	Saturday	1.00pm-2.00pm	Module-2	Dr. jenisha k
30.	30-09-2024	Monday	4.00pm-5.00pm	Module-2	Dr. jenisha k
31.	04-10-2024	Friday	4.00pm-5.00pm	Valedictory	Dr. jenisha k


Course Coordinator

Dr. Jenisha K


Hod

Dr. Parthasarathy G


Principal

Dr. Padmaa M Paarakh



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**COURSE ON APPLICATION OF DRUG INFORMATION SOFTWARE IN PHARMACY
PRACTICE**

(Course Code: ADISP 2023-24)

COMPLETION REPORT

The Department of Pharmacy practice, The Oxford college of Pharmacy, Bangalore, conducted a course on Application of Drug Information Software in Pharmacy Practice (Course Code: ADISP 2023-24) for the academic year 2023-24. The course was intended to impart knowledge to the students about the management and analysis of prescription.


The course was started with an inaugural function by welcoming the Principal Dr Padmaa M Paarakh. The function was conducted at Room NO-505 and all the participants were introduced by Course Coordinators Dr Jenisha K. Total 23 students were present. The inaugural function has been summed up with the introductory lecture of course coordinator Dr. Jenisha K.

A total 30 hours course had been conducted on Monday, Friday and Saturday after college hours. Total 23 students were enrolled for this course.

The syllabus of the certificate course had been divided into two modules. After the completion of each modules an internal assessment was conducted, and overall test was conducted after the completion of the course. The results of module I, II and overall were analysed. Approximately 24% students scored grade A (marks percentage-100%) in all the tests followed by 40% who scored grade B (marks percentage-90%) and 36% scored grade C (marks percentage-80%).

The performance of the students in the tests were found excellent. About eighty eight percent of the students had secured excellent grades in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes.

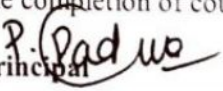
The valedictory function has been conducted on 04-10-2024 and the participation certificate distributed to all 23 students by the Principal and Head of the Department Dr Parthasarathy G, and he had thanked Principal and management for providing best infrastructure for carrying out such courses. Behalf of department he promised to carry out such courses in future also. The guest of the valedictory function, Dr Padmaa M Paarakh, Principal, had appreciated the enthusiasm of the students in this course and congratulate the Department of Pharmacy practice and the course coordinator Dr Jenisha K for the completion of course.


Course Coordinator

Dr. Jenisha K

Hod 

Dr. Parthasarathy G


Principal

Dr. Padmaa M Paarakh



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Accredited by NAAC and International Accreditation Organization (IAO)

COURSE ON APPLICATION OF DRUG INFORMATION SOFTWARE IN PHARMACY PRACTICE

(Course Code: ADISP 2023-24)

OUTCOME

The Department of Pharmacy practice, The Oxford College of Pharmacy, Bangalore- 560068, completed course Application of Drug Information Software in Pharmacy Practice (Course Code: ADISP 2023-24). Overall 23 students were registered and the course was conducted for 30 hours. This course has helped the students in comprehensive drug information, interaction, dosing, monographs, toxicology which will there by help the students to improve the clinical knowledge and helps in providing better therapy options in the clinical settings.

Outcomes: At the end of this course students were able to:

- Understanding of drug information software features and functionality.
- Familiarity with various drug information software
- Knowledge of drug databases, interaction checking, and dosing calculators.
- Understanding of regulatory requirements and guidelines for drug information software.
- Awareness of emerging trends and technologies in drug information software.
- Proficiency in searching and retrieving drug information using software.

The students were satisfied and were keen to attend such programs in future.

Course Coordinator

Dr. Jenisha K

Hod

Dr. Parthasarathy G

Principal

Dr. Padmaa M Paarakh



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COURSE ON APPLICATION OF DRUG INFORMATION SOFTWARE IN PHARMACY PRACTICE

(Course Code: ADISP 2023-24)

S.N	Name of the student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	ARINDAMDEY	Ar	Ar	Ar	Ar	Ar	Ar	Ar	Ar	Ar	Ar	Ar	Ar	Ar	Ar	Ar
2	BABISHA R	Ba	Ba	Ba	Ba	Ba	Ba	Ba	Ba	Ba	Ba	Ba	Ba	Ba	Ba	Ba
3	BHAVYASHREE N	Bh	Bh	Bh	Bh	Bh	Bh	Bh	Bh	Bh	Bh	Bh	Bh	Bh	Bh	Bh
4	DHARUNBALA L	Dh	Dh	Dh	Dh	Dh	Dh	Dh	Dh	Dh	Dh	Dh	Dh	Dh	Dh	Dh
5	FARHANA AA	Far	Far	Far	Far	Far	Far	Far	Far	Far	Far	Far	Far	Far	Far	Far
6	HARSHITHA A	Har	Har	Har	Har	Har	Har	Har	Har	Har	Har	Har	Har	Har	Har	Har
7	LIKITHA CHANDRASHEKAR	Lik	Lik	Lik	Lik	Lik	Lik	Lik	Lik	Lik	Lik	Lik	Lik	Lik	Lik	Lik
8	NEETHU TP	Ne	Ne	Ne	Ne	Ne	Ne	Ne	Ne	Ne	Ne	Ne	Ne	Ne	Ne	Ne
9	NISHANTH KK	Nis	Nis	Nis	Nis	Nis	Nis	Nis	Nis	Nis	Nis	Nis	Nis	Nis	Nis	Nis
10	NIZAMUDDIN	Niz	Niz	Niz	Niz	Niz	Niz	Niz	Niz	Niz	Niz	Niz	Niz	Niz	Niz	Niz
11	NUNGSHICHILA A JAMIR	Nun	Nun	Nun	Nun	Nun	Nun	Nun	Nun	Nun	Nun	Nun	Nun	Nun	Nun	Nun
12	PRADEEP S	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr
13	RISHIKA GUPTA	Ri	Ri	Ri	Ri	Ri	Ri	Ri	Ri	Ri	Ri	Ri	Ri	Ri	Ri	Ri
14	RUDRAMBIKA M	Rud	Rud	Rud	Rud	Rud	Rud	Rud	Rud	Rud	Rud	Rud	Rud	Rud	Rud	Rud
15	SARAVANAGIRI A	Sar	Sar	Sar	Sar	Sar	Sar	Sar	Sar	Sar	Sar	Sar	Sar	Sar	Sar	Sar
16	SARAVANAN M	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa
17	SEEMA SL	Se	Se	Se	Se	Se	Se	Se	Se	Se	Se	Se	Se	Se	Se	Se
18	SHREYADATTA	Shr	Shr	Shr	Shr	Shr	Shr	Shr	Shr	Shr	Shr	Shr	Shr	Shr	Shr	Shr
19	ADARSH KUMAR	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad
20	DEEPAK CHOUDHARY	De	De	De	De	De	De	De	De	De	De	De	De	De	De	De
21	SAFREEN TA	Saf	Saf	Saf	Saf	Saf	Saf	Saf	Saf	Saf	Saf	Saf	Saf	Saf	Saf	Saf
22	GIRISH ADITHYA	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi	Gi
23	SOURABH SINGH	So	So	So	So	So	So	So	So	So	So	So	So	So	So	So
	SIGNATURE	hp	hp	hp	hp	hp	hp	hp	hp	hp	hp	hp	hp	hp	hp	hp



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COURSE ON APPLICATION OF DRUG INFORMATION SOFTWARE IN PHARMACY PRACTICE

(Course Code: ADISP 2023-24)

S.N	Name of the student	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	ARINDAMDEY	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
2	BABISHA R	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
3	BHAVYASHREE N	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
4	DHARUNBALA L	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
5	FARHANA AA	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
6	HARSHITHA A	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
7	LIKITHA CHANDRASHEKAR	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
8	NEETHU TP	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
9	NISHANTH KK	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
10	NIZAMUDDIN	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
11	NUNGSHICHILA A JAMIR	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
12	PRADEEP S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	RISHIKA GUPTA	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
14	RUDRAMBIKA M	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
15	SARAVANAGIRI A	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
16	SARAVANAN M	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
17	SEEMA SL	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
18	SHREYADATTA	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
19	ADARSH KUMAR	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
20	DEEPAK CHOUDHARY	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
21	SAFREEN TA	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
22	GIRISH ADITHYA	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
23	SOURABH SINGH	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
	SIGNATURE	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h





THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that ~~Mr./Ms.~~ SEEMA of 5th PHARM D year has undergone an course on Application of Drug Information Software in Pharmacy Practice held at Department of Pharmacy Practice, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR

Dr. JENISHA K
Dept of Pharmacy Practice
The Oxford College of
Pharmacy


HOD

Dr. PARTHASARATHY G
Dept of Pharmacy Practice
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. HARSHITHA of 5th PHARM D year has undergone an course on Application of Drug Information Software in Pharmacy Practice held at Department of Pharmacy Practice, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR

Dr. JENISHA K
Dept of Pharmacy Practice
The Oxford College of
Pharmacy


HOD

Dr. PARTHASARATHY G
Dept of Pharmacy Practice
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. DHARUN BALA of 5th PHARM D year has undergone an course on Application of Drug Information Software in Pharmacy Practice held at Department of Pharmacy Practice, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR

Dr. JENISHA K
Dept of Pharmacy Practice
The Oxford College of
Pharmacy


HOD

Dr. PARTHASARATHY G
Dept of Pharmacy Practice
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. NISHANTH of 5th PHARM D year has undergone an course on Application of Drug Information Software in Pharmacy Practice held at Department of Pharmacy Practice, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR

Dr. JENISHA K
Dept of Pharmacy Practice
The Oxford College of
Pharmacy


HOD

Dr. PARTHASARATHY G
Dept of Pharmacy Practice
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. SHREYAM DATTA of 5th PHARM D year has undergone an course on Application of Drug Information Software in Pharmacy Practice held at Department of Pharmacy Practice, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

COURSE COORDINATOR

Dr. JENISHA K
Dept of Pharmacy Practice
The Oxford College of
Pharmacy

HOD

Dr. PARTHASARATHY G
Dept of Pharmacy Practice
The Oxford College of
Pharmacy

PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



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COURSE ON MEDICAL WRITING AND COMMUNICATIONS

(Course Code: MWC 2023-24)

Notice

Date: 30-12-2023

To

Notice Board

To be read in the class rooms

Dr. Bindu B N

Course Coordinator

To be filed

The Oxford College of Pharmacy, Bengaluru introduces a 30 hours course on Medical Writing and Communications for the academic year 2023-24, for the benefit of VII Sem B. Pharm students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from 5th January 2024 and will be conducted every Friday and Saturday after regular classes. The eligibility criteria include students pursuing VII Sem B.Pharm. Interested students can enroll with Dr. Bindu B N, course coordinator on or before 4th January 2024.

Bindu

Course Co-coordinator

Dr. Bindu B N

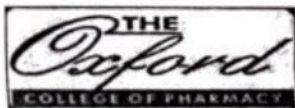
N. Srivastava

HOD

Dr. Noopur Srivastava

P. Padma
Principal

Dr. Padmaa M Paarakh



Organizing Committee

Chairperson	Dr. Padmaa M Paarakh, Principal, TOCP, Bengaluru.
HOD	Dr Noopur Srivastava Department of Pharmacology TOCP, Bengaluru.
Program Coordinator	Dr. Bindu B N Department of Pharmacology TOCP, Bengaluru.

For Further Information Contact

Dr. Bindu B N
Assistant Professor
Department of Pharmacology
TOCP, Bengaluru.

Email:
bindubn123456@gmail.com

THE OXFORD COLLEGE OF PHARMACY

The Oxford College of Pharmacy (TOCP) was established in 1992. TOCP under the aegis of Children's Education Society (R) offers D Pharm, B Pharm, M Pharm, Pharm D, Pharm D Post Baccalaureate and PhD Programs. TOCP is recognized by the Government of Karnataka, affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, and Drug control Board, Karnataka respectively, approved by A.I.C.T.E and Pharmacy Council of India, New Delhi. TOCP has excellent infrastructure in terms of sophisticated instruments, laboratories, lecture halls, etc.

ELIGIBILITY CRITERIA

Students Pursuing VII Sem B Pharm.

Course On "Medical Writing and Communications"



Organized by
**THE OXFORD COLLEGE
OF PHARMACY**

Department of Pharmacology
1st Main Rd, Hongasandra,
Bengaluru, Karnataka 560068

Important Dates

Duration: 30 hours
Last date for registration: 4 Jan 2024
Date of commencement: 5 Jan 2024
**Planned Examination : After the
completion of 30hrs of classes**

REGISTRATION

Registration Fees	NIL It is a free course offered by The Oxford College of Pharmacy Bangalore-68
Contact person for registration	Dr. Bindu B N 7760021582

STRUCTURE

- Course will be conducted for 30 hours.
- Every Friday and Saturday after the college hours.

COURSE DESCRIPTION

The Department of Pharmacology, TOCP, Bangalore- 560068 introduces a thirty hours course on Medical writing and Communications (Course Code: MWC 2023-24). This course develop the skills needed to create clear, accurate, and regulatory-compliant medical documents.

OBJECTIVES OF PROGRAM

- Understand the principles and ethical considerations in medical writing.
- Write clear, concise, and accurate scientific content.
- Develop various types of medical documents, including clinical trial reports, regulatory submissions, and publications.
- Understand the role of medical communications in the pharmaceutical and healthcare industries.
- Apply writing and editing skills to promotional materials, medical education, and healthcare marketing.
- Navigate the regulatory landscape for medical documentation (FDA, EMA, ICH guidelines).

FINAL ASSESSMENT

Final exams will be conducted at the end of the syllabus by test.

DURATION

Thirty hours beginning from 5th January 2024.

OUTCOME

- Mastery of Medical Writing Formats
- Ability to Communicate Complex Medical Information
- Understanding of Regulatory and Ethical Guidelines
- Expertise in Medical Literature and Research
- Effective Use of Medical Writing Tools

REGISTRATION PROCESS

Directly contact Course Co-Ordinator and register.



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COURSE ON MEDICAL WRITING AND COMMUNICATIONS

(Course Code: MWC 2023-24)

List of students

Sl. No	Name of the Students	Signature
1.	BHAVYA SHREE	Bhavyashree
2.	DHANASEKHAR M K	Dhanasekhar
3.	HEMANTH KUMAR E	Hemant Kumar
4.	NISHA S	Nisha
5.	PRATIK JAIN	Pratik Jain
6.	SRI VIGNESH	Sri Vignesh
7.	GOKUL RAJ. M	Gokul Raj
8.	HALASWAMY.D. B	Halaswamy
9.	HARIPRASAD	Hariprasad
10.	INDUSHREE.G. L	Indushree
11.	INITHA.V	Initha
12.	JEEVAN.U.H	Jeevan
13.	KHALEEL.E	Khalil
14.	KISHAN K	Kishan
15.	LIKITHA GOWDA	Likitha Gowda
16.	PAVAN KUMAR B	Pavan Kumar



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17.	RAJESHWARI.B	Rajeshwari
18.	SARANYA.R	Saranya
19.	SOMASHEKAR.G	Somashekar.G
20.	SUJAN KUMAR	Sujan Kumar
21.	SWETHA P	Swetha.P.
22.	VIGNESH.C	Vignesh.C.
23.	AARTHI S	Aarthi
24.	AIMEN BASHIR	Aimen Bashir
25.	AKILA C	Akila
26.	ANUSHA R S	Anusha
27.	ANUSHA T	Anusha
28.	ANWAR MULLA	Anwar Mulla
29.	ARUN BIRADAR	Arun Biradar
30.	ARUN C	Arun

Bindu

Course Co-coordinator

Dr. Bindu B N

N. Srivastava

HOD

Dr. Noopur Srivastava

P. Padma
Principal

Dr. Padmaa M Paarakh



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COURSE ON MEDICAL WRITING AND COMMUNICATIONS

(Course Code: MWC 2023-24)

Session Plan

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1	5/01/2024	Friday	4.30-5.30 pm	Inaugural Module-1	Dr. Bindu B N
2	6/01/2024	Saturday	1.30-2.30 pm	Module-1	Dr. Bindu B N
3	12/04/2024	Friday	4.30-5.30 pm	Module-1	Dr. Bindu B N
4	13/01/2024	Saturday	1.30-2.30 pm	Module-1	Dr. Bindu B N
5	19/01/2024	Friday	4.30-5.30 pm	Module-1	Dr. Bindu B N
6	20/01/2024	Saturday	1.30-2.30 pm	Module-1	Dr. Bindu B N
7	26/01/2024	Friday	4.30-5.30 pm	Module-1	Dr. Bindu B N
8	27/01/2024	Saturday	1.30-2.30 pm	Module-1	Dr. Bindu B N
9	2/02/2024	Friday	4.30-5.30 pm	Module-1	Dr. Bindu B N
10	3/02/2024	Saturday	1.30-2.30 pm	Module-1	Dr. Bindu B N
11	9/02/2024	Friday	4.30-5.30 pm	Module-2	Dr. Bindu B N
12	10/02/2024	Saturday	1.30-2.30 pm	Module-2	Dr. Bindu B N
13	16/02/2024	Friday	4.30-5.30 pm	Module-2	Dr. Bindu B N
14	17/02/2024	Saturday	1.30-2.30 pm	Module-2	Dr. Bindu B N
15	1/03/2024	Friday	4.30-5.30 pm	Module-2	Dr. Bindu B N
16	2/03/2024	Saturday	1.30-2.30 pm	Module-2	Dr. Bindu B N
17	9/03/2024	Saturday	1.30-2.30 pm	Module-2	Dr. Bindu B N
18	9/03/2024	Saturday	2.30-3.30 pm	Module-2	Dr. Bindu B N
19	15/03/2024	Friday	4.30-5.30 pm	Module-2	Dr. Bindu B N
20	16/03/2024	Saturday	1.30-2.30 pm	Module-2	Dr. Bindu B N

Handwritten note: Holiday





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21	22/03/2024	Friday	4.30-5.30 pm	Module-3	Dr. Bindu B N
22	23/03/2024	Saturday	1.30-2.30 pm	Module-3	Dr. Bindu B N
23	30/03/2024	Saturday	1.30-2.30 pm	Module-3	Dr. Bindu B N
24	30/03/2024	Saturday	2:30- 3:30 pm	Module-3	Dr. Bindu B N
25	5/04/2024	Friday	4.30-5.30 pm	Module-3	Dr. Bindu B N
26	6/04/2024	Saturday	1.30-2.30 pm	Module-3	Dr. Bindu B N
27	12/04/2024	Friday	4.30-5.30 pm	Module 3	Dr. Bindu B N
28	13/04/2024	Saturday	1.30-2.30 pm	Module 3	Dr. Bindu B N
29	19/04/2024	Friday	4.30-5.30 pm	Module 3	Dr. Bindu B N
30	20/04/2024	Saturday	1.30-2.30 pm	Module 3	Dr. Bindu B N
31	20/04/2024	Saturday	2:30- 3:30 pm	Valedictory	Dr. Noopur Srivastava

Bindu

Course Co-coordinator

Dr. Bindu B N

Srivastava

HOD

Dr. Noopur Srivastava

Principal

Dr. Padmaa M Paarakh





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COURSE ON MEDICAL WRITING AND COMMUNICATIONS

(Course Code: MWC 2023-24)

Course completion Report

The Department of Pharmacology, The Oxford college of Pharmacy, Bangalore, conducted a course on Medical writing and communications (Course Code: MWC 2023-34) for the academic year 2023-24. The course was intended to impart knowledge to the students about the basics of Medical Writing develop, to create clear, accurate, and regulatory-compliant medical documents. This course had given enough knowledge to develop various types of medical documents, including clinical trial reports, regulatory submissions, and publications.

The course was started with an inaugural function by welcoming the Principal Dr. Padmaa M Paarakh and Dr. Noopur Srivastava, HOD, Department of Pharmacology. The function was conducted at Room no-507 and all the participants were introduced by Dr. Bindu B N, Course Coordinator. Our Principal had emphasized on the importance of doing such courses in academics as well as in future also. The inaugural function has been summed up with the introductory lecture by the course coordinator Dr. Bindu B N.

A 30 hours course had been conducted after the college hours on Friday and Saturday. 30 students were enrolled directly by contacting the class coordinator. The syllabus of the course had been divided into three modules. After the completion of each module an internal assessment was conducted and overall test was conducted after the completion of the course.

Approximately 50% students scored grade A (marks percentage-95-100%) in all the tests followed by 26.6% who scored grade B (marks percentage-90-94%) and 16.6% scored grade C (marks percentage-85-90 %) and 6.6% scored grade D (marks percentage-80-94 %). The performance of the students in the tests were found to be excellent. About fifty percent of the students had scored more than 95% marks in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes if any they have.

The valedictory function has been conducted on 20/04/2024 in the class room and the course completion certificates are distributed to 30 students by the Principal Dr. Padmaa M Paarakh and Head of the Department Dr. Noopur Srivastava. Dr. Noopur thanked Principal Madam and management for providing



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best infrastructure for carrying out such courses. On behalf of department, she promised to carry out such courses in future also.

The guest of the valedictory function, Dr Padmaa Paarakh, Principal, TOCP, Bangalore had appreciated the enthusiasm of the students in this course and also thanked the Department of Pharmacology and the course coordinator, Dr. Bindu B N for successful completion of the course.

Bindu

COURSE COORDINATOR

Dr. Bindu B N

Noopur Srivastava

HOD

Dr Noopur Srivastava

P. Padma
PRINCIPAL

Dr Padmaa M. Paarakh



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COURSE ON MEDICAL WRITING AND COMMUNICATIONS

(Course Code: MWC 2023-24)

Outcome Report

The Department of Pharmacology, The Oxford College of Pharmacy, Bangalore- 560068, completed course on Medical Writing and communications (Course Code: MWC 2023-24). 30 students were registered and the course was conducted for 30 hours. This course has helped the students to develop the skills needed to create clear, accurate, and regulatory-compliant medical documents

Outcome: At the end of this course students were able to:

- Ability to Communicate Complex Medical Information
- Understanding of Regulatory and Ethical Guidelines
- Expertise in Medical Literature and Research
- Effective Use of Medical Writing Tools

The students were satisfied and were keen to attend such programs in future.

Bindu

COURSE COORDINATOR

Dr. Bindu B N

N. Srivastava

HOD

Dr Noopur Srivastava

P. Padma

PRINCIPAL

Dr Padmaa M Paarakh



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COURSE ON MEDICAL WRITING AND COMMUNICATIONS

(Course Code: MWC 2023-24)

Syllabus

MODULE	TOPICS
MODULE -I	Introduction
	Existence of Medical writing
	Types of Medical writing- Medical Journalism
	Educational Medical writing
	Medical Marketing of Healthcare products
	Publications
	Research Documents
	Regulatory Medical writing
	Understanding clinical trials and study designs
Data Presentation and Statistical writing	
MODULE -II	Medical Communications
	Structure of Medical Documents
	Clinical Trial Documents
	Pharmacovigilance writing
	Medical Writing tools and softwares
	Ethics in Medical writing
	Requirements for Medical Writer
	Skills required for Medical writing
	Need of Medical writing
	Different organizations of Medical writing
MODULE -III	Duties or role of Medical writers
	Scope of Medical writing
	Where do medical writers work
	Career Prospects for Medical writers
	Literature review
	Regulatory affairs and compliance
	Clinical trial report writing
	Creating patient information leaflets
	Adverse Event Reporting
	Pharmacovigilance Report writing
	Conclusion

Bindu

Course Co-coordinator

Dr. Bindu B N

N. Srivastava

HOD

Dr. Noopur Srivastava

P. Padma

Principal

Dr. Padmaa M Paarakh



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COURSE ON MEDICAL WRITING AND COMMUNICATIONS

(Course Code: MWC 2023-24)

Attendance Statement

S. No	Name of the student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Date of the Class	5/1	6/1	12/1	13/1	19/1	20/1	26/1	27/1	2/2	9/2	10/2	16/2	17/2	1/3	
1	BHAVYA SHREE	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
2	DHANASEKHAR M K	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
3	HEMANTH KUMAR E	HK	HK	HK	HK	HK	HK	HK	HK	HK	HK	HK	HK	HK	HK	HK
4	NISHA S	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
5	PRATIK JAIN	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ
6	SRI VIGNESH	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
7	GOKUL RAJ . M	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
8	HALASWAMY.D.B	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
9	HARIPRASAD	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
10	INDUSHREE.G.L	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
11	INITHA.V	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
12	JEEVAN.U.H	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J
13	KHALEEL.E	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
14	KISHAN K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
15	LIKITHA GOWDA	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
16	PAVAN KUMAR B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	RAJESHWARI.B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
18	SARANYA.R	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
19	SOMASHEKAR.G	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
20	SUJAN KUMAR	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
21	SWETHA P	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
22	VIGNESH.C	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
23	AARTHI S	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
24	AIMEN BASHIR	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
25	AKILA C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
26	ANUSHA R S	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
27	ANUSHA T	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
28	ANWAR MULLA	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
29	ARUN BIRADAR	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
30	ARUN C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	SIGNATURE	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B





COURSE ON MEDICAL WRITING AND COMMUNICATIONS

(Course Code: MWC 2023-24)

Attendance Statement

S. No	Name of the student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Date of the Class	5/1	6/1	12/1	13/1	19/1	20/1	26/1	27/1	2/2	9/2	9/2	16/2	17/2	1/3	
1	BHAVYA SHREE	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
2	DHANASEKHAR M K	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
3	HEMANTH KUMAR E	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
4	NISHA S	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
5	PRATIK JAIN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	SRI VIGNESH	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
7	GOKUL RAJ . M	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
8	HALASWAMY.D.B	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
9	HARIPRASAD	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
10	INDUSHREE.G.L	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
11	INITHA.V	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
12	JEEVAN.U.H	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J
13	KHALEEL.E	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
14	KISHAN K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
15	LIKITHA GOWDA	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
16	PAVAN KUMAR B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	RAJESHWARI.B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
18	SARANYA.R	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
19	SOMASHEKAR.G	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
20	SUJAN KUMAR	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
21	SWETHA P	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
22	VIGNESH.C	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
23	AARTHI S	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
24	AIMEN BASHIR	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
25	AKILA C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
26	ANUSHA R S	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
27	ANUSHA T	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
28	ANWAR MULLA	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
29	ARUN BIRADAR	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
30	ARUN C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	SIGNATURE	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B





COURSE ON MEDICAL WRITING AND COMMUNICATIONS

(Course Code: MWC 2023-24)

Attendance Statement

S. No	Name of the student	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	Date of the Class	25/3	26/3	27/3	28/3	29/3	30/3	31/3	1/4	2/4	3/4	4/4	5/4	6/4	7/4	8/4
1	BHAVYA SHREE	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
2	DHANASEKHAR M K	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
3	HEMANTH KUMAR E	Hk	Hk	Hk	Hk	Hk	Hk	Hk	Hk	Hk	Hk	Hk	Hk	Hk	Hk	Hk
4	NISHA S	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
5	PRATIK JAIN	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ
6	SRI VIGNESH	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
7	GOKUL RAJ . M	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
8	HALASWAMY.D.B	HS	HS	HS	HS	HS	HS	HS	HS	HS	HS	HS	HS	HS	HS	HS
9	HARIPRASAD	Hh	Hh	Hh	Hh	Hh	Hh	Hh	Hh	Hh	Hh	Hh	Hh	Hh	Hh	Hh
10	INDUSHREE.G.L	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
11	INITHA.V	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
12	JEEVAN.U.H	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee
13	KHALEELE	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
14	KISHAN K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
15	LIKITHA GOWDA	Lg	Lg	Lg	Lg	Lg	Lg	Lg	Lg	Lg	Lg	Lg	Lg	Lg	Lg	Lg
16	PAVAN KUMAR B	Pk	Pk	Pk	Pk	Pk	Pk	Pk	Pk	Pk	Pk	Pk	Pk	Pk	Pk	Pk
17	RAJESHWARI.B	Ra	Ra	Ra	Ra	Ra	Ra	Ra	Ra	Ra	Ra	Ra	Ra	Ra	Ra	Ra
18	SARANYA.R	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa
19	SOMASHEKAR.G	So	So	So	So	So	So	So	So	So	So	So	So	So	So	So
20	SUJAN KUMAR	Sk	Sk	Sk	Sk	Sk	Sk	Sk	Sk	Sk	Sk	Sk	Sk	Sk	Sk	Sk
21	SWETHA P	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw
22	VIGNESH.C	Vn	Vn	Vn	Vn	Vn	Vn	Vn	Vn	Vn	Vn	Vn	Vn	Vn	Vn	Vn
23	AARTHI S	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
24	AIMEN BASHIR	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
25	AKILA C	Ak	Ak	Ak	Ak	Ak	Ak	Ak	Ak	Ak	Ak	Ak	Ak	Ak	Ak	Ak
26	ANUSHA R S	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu
27	ANUSHA T	At	At	At	At	At	At	At	At	At	At	At	At	At	At	At
28	ANWAR MULLA	Am	Am	Am	Am	Am	Am	Am	Am	Am	Am	Am	Am	Am	Am	Am
29	ARUN BIRADAR	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
30	ARUN C	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun
	SIGNATURE	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B





THE OXFORD COLLEGE OF PHARMACY
6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that BHAVYA SHREE of VII SEM B PHARM
has undergone a *Course on Medical Writing and Communications* held at
the Department of Pharmacology, The Oxford College of Pharmacy,
Bangalore, Karnataka, for the academic year 2023-24.

Bindu

Course Coordinator

Noopur Srivastava
HOD

P. Padma
Principal

Dr. Bindu B N
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr Noopur Srivastava
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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COLLEGE OF PHARMACY

PARTICIPATION CERTIFICATE

This is to certify that PRATHIK JAIN of VII SEM B PHARM
has undergone a *Course on Medical Writing and Communications* held at
the Department of Pharmacology, The Oxford College of Pharmacy,
Bangalore, Karnataka, for the academic year 2023-24.

Bindu
Course Coordinator

Noopur Srivastava
HOD

P. Padma
Principal

Dr. Bindu B N
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr Noopur Srivastava
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that *AKILA C* of *VII SEM B PHARM*
has undergone a *Course on Medical Writing and Communications* held at
the Department of Pharmacology, The Oxford College of Pharmacy,
Bangalore, Karnataka, for the academic year 2023-24.

Bindu

Course Coordinator

Noopur Srivastava
HOD

P. Padma
Principal

Dr. Bindu B N
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr Noopur Srivastava
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that *LIKITHA GOWDA* of *VII SEM B PHARM*
has undergone a *Course on Medical Writing and Communications* held at
the Department of Pharmacology, The Oxford College of Pharmacy,
Bangalore, Karnataka, for the academic year 2023-24.

Bindu

Course Coordinator

Neerastava

HOD

P. Padma

Principal

Dr. Bindu B N
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr Noopur Srivastava
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that JEEVAN.U.H. of VII SEM B PHARM
has undergone a *Course on Medical Writing and Communications* held at
the Department of Pharmacology, The Oxford College of Pharmacy,
Bangalore, Karnataka, for the academic year 2023-24.

Bindu
Course Coordinator

Noopur Srivastava
HOD

P. Padma
Principal

Dr. Bindu B N
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr Noopur Srivastava
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



Children's Education Society (Regd.)

The Oxford College of Pharmacy

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Approved by Pharmacy Council of India, New Delhi)

COURSE ON DIGITAL HEALTH AND PHARMACY INFORMATICS

(Course Code: DHPI 2023-24)

Notice

Date: 08/07/2024

To

Notice Board

To be read in the class rooms

Course Coordinators- Mrs. Pallavi N.

To be filed

The Oxford College of Pharmacy, Bangalore introduces a 30 hours course on “**Digital Health and Pharmacy Informatics**” for the academic year 2023-24, for the benefit of B. Pharm students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from 15th July 2024 and will be conducted every Monday, Tuesday, Wednesday and Thursday after class hours. The eligibility criteria include students pursuing IV SEM B. Pharm. Interested students can enroll with Mrs. Pallavi N, course coordinator on or before 13th July 2024.

Course Co-ordinator

Mrs. Pallavi N.

HOD

Dr. Noopur Srivastava

Principal

Dr. Padmaa M Paarakh



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e-mail: pharmacyprincipal@theoxford.edu; info@theoxford.edu;

Chairperson	Dr. Padmaa M Paarakh, Principal, TOCP, Bangalore.
HOD	Dr. Noopur Srivastava Department of Pharmacology TOCP, Bangalore.
Program Coordinator	Mrs. Pallavi N Department of Pharmacology TOCP, Bangalore.

For Further Information Contact

Mrs. Pallavi N.
Assistant Professor
Department of Pharmacology
TOCP, Bangalore
Email
pallavinityananda@gmail.com

**THE OXFORD COLLEGE OF
PHARMACY**

The Oxford College of Pharmacy (TOCP) was established in 1992. TOCP under the aegis of Children's Education Society (R) offers D Pharm, B Pharm, M Pharm, Pharm D, Pharm D Post Baccalaureate and PhD Programs. TOCP is recognized by the Government of Karnataka, affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, and Drug control Board, Karnataka respectively, approved by A.I.C.T.E and Pharmacy Council of India, New Delhi. TOCP has excellent infrastructure in terms of sophisticated instruments, laboratories, lecture halls, etc.

ELIGIBILITY CRITERIA

Students Pursuing Pharmacy
Degree i.e., IV SEM
B. Pharm

**Course On
"Digital Health and
Pharmacy Informatics"**



Organized by
**THE OXFORD COLLEGE OF
PHARMACY**

Department of Pharmacology,
1st Main Rd, Hongasandra, Bengaluru,
Karnataka 560068

Important Dates

Duration: 30 hours
Last date for registration: 13 JUNE 2024
Date of commencement: 15 JULY 2024
Planned Examination : September 2024

Registration Fees	NIL It is a free course offered by The Oxford College of Pharmacy Bangalore-68
Contact person for registration	Mrs. Pallavi N. 7022206760

STRUCTURE

- Course will be conducted for 30 hours.
- Every Monday, Tuesday, Wednesday and Thursday after the college hours.

COURSE DESCRIPTION

The Department of Pharmacology TOCP , Bangalore- 560068 introduces a thirty hours certificate course on Digital Health and Pharmacy Informatics (Course Code: DHPI 2023-24). This course offers the basic knowledge about the enhance patient safety and patients with tools and resources for better self-management of their medications and health.

OBJECTIVES OF PROGRAM

- ❖ The enhance the efficiency of pharmacy operations by automating processes, managing inventory, and optimizing staff productivity, which ultimately reduce costs and wait times.
- ❖ This course help to minimize medication errors and adverse drug reactions through the use of technology and data analytics, ensuring safer medication management.
- ❖ This course provide communication and data exchange among healthcare providers, pharmacists, and patients, promoting coordinated care and informed decision-making.

FINAL ASSESSMENT

Final exams will be conducted at the end of the syllabus

DURATION

Thirty hours beginning from 15TH JULY 2024.

OUTCOME

At the end of this course students were able to:

- To understand automation and digital tools streamline pharmacy operations, reducing errors and wait times while improving workflow efficiency.
- To understand advanced analytics which help to identify trends in medication use and patient adherence, allowing for targeted interventions and improved health management strategies.
- To understand to access the patient data to make informed decisions, leading to personalized medication therapy and better health outcomes.
- To Understand digital platforms to facilitate better collaboration between healthcare providers, pharmacists, and patients, ensuring cohesive care and improved medication management.

REGISTRATION PROCESS

Directly contact Course Co-Ordinator and register.



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COURSE ON DIGITAL HEALTH AND PHARMACY INFORMATICS

(Course Code: DHPI 2023-24)

Outcome Report

The Department of Pharmacology, The Oxford College of Pharmacy, Bengaluru - 560068, completed course on Digital Health and Pharmacy Informatics (Course Code: DHPI 2023-24). **15 students** were registered and the course was conducted for 30 hours. The course was intended to impart knowledge to the efficiency of pharmacy operations by automating processes, managing inventory, optimizing staff productivity and ultimately reducing costs and wait times. Due to minimize medication errors and adverse drug reactions through the use of technology and data analysis this ensure safer medication management and data exchange among healthcare Providers and Patients. Promoting coordinated care and with tools and resources for better self-management of their medications and health, fostering adherence and engagement in their care plans.

Outcome: At the end of this course students were able to:

- Understand automation and digital tools streamline pharmacy operations, reducing errors and wait times while improving workflow efficiency.
- Understand advanced analytics which help to identify trends in medication use and patient adherence, allowing for targeted interventions and improved health management strategies.
- Understand to access the patient data to make informed decisions, leading to personalized medication therapy and better health outcomes.
- Understand digital platforms to facilitate better collaboration between healthcare providers, pharmacists, and patients, ensuring cohesive care and improved medication management.

The students were satisfied and were keen to attend such programs in future.

COORDINATOR

Mrs. Pallavi N

HOD

Dr Noopur Srivastava

PRINCIPAL

Dr Padmaa M. Paarakh



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e-mail: pharmacyprincipal@theoxford.edu; info@theoxford.edu;



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COURSE ON DIGITAL HEALTH AND PHARMACY INFORMATICS

(Course Code: DHPI 2023-24)

Completion Report

The Department of Pharmacology, The Oxford college of Pharmacy, Bangalore, conducted a course on Digital Health and Pharmacy Informatics (Course Code: DHPI 2023-24) for the Academic Year 2023-24. The course was intended to impart knowledge to the efficiency of pharmacy operations by automating processes, managing inventory, optimizing staff productivity and ultimately reducing costs and wait times. Due to minimize medication errors and adverse drug reactions through the use of technology and data analysis this ensure safer medication management and data exchange among healthcare Providers and Patients. Promoting coordinated care and with tools and resources for better self-management of their medications and health, fostering adherence and engagement in their care plans.

The course was started with a formal virtual inaugural function started by welcoming the Principal Dr. M. Padmaa Paarakh. The function was conducted offline and all the participants were introduced by Mrs. Pallavi N, Course Coordinator. The principal had emphasized on the importance of doing such courses in academics as well as in future also. The inaugural function has been summed up with the introductory lecture of course coordinator Mrs Pallavi N.

A total 30 hours course had been conducted after the college hours on Monday, Tuesday and Wednesday. 15 students were attended the course and benefited. The syllabus of the course had been divided into two (II) modules. After the completion of each module an internal assessment was conducted and overall test was conducted after the completion of the course. After the completion of each module the tests were conducted through Microsoft Forms and the tests were assigned in the Assignment section. Approximately 72.61 % students scored grade A (marks percentage-95-100%) in all the tests followed by 8.86 % who scored grade B (marks percentage-90-94%) and % scored grade C 9.87 % (marks percentage-85-90 %) and 9.0 % scored grade D (marks percentage-75-84 %). The performance of the students in the tests were found to be excellent. About 81.47% of the students had scored more than 95% marks in all the tests. Students had shown keen



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95% marks in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes if any they have.

The valedictory function has been conducted on 11/09/2024 and the course participation certificates were distributed to all **15 students** by the Principal Dr. Padmaa M Paarakh and Head of the Department Dr. Noopur Srivastava. Dr. Noopur thanked Principal Madam and management for providing best infrastructure carrying out such courses. On behalf of department, she promised to carry out such courses in future also.

The guest of the valedictory function, Dr Padmaa M Paarakh, Principal, TOCP, Bangalore had appreciated the enthusiasm of the students in this course and also thanked the Department of Pharmacology, and the course coordinator Mrs. Pallavi N for successful completion of the course.

Course Co-coordinator

Mrs. Pallavi N.

HOD

Dr Noopur Srivastava

PRINCIPAL

Dr Padmaa M. Paarakh



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Children's Education Society (Regd.)



THE OXFORD

COLLEGE OF PHARMACY

BENGALURU, INDIA

Certificate of Participation

This is to certify that

MULLA UZMA RIYAZ

for attending a Course on "AI IN PHARMACY: ENHANCING
STUDENT LEARNING" organized by Department of
Pharmacology, The Oxford College of Pharmacy, Bengaluru.

Shrivastava
Organizing Secretary

P. Padus
Convenor

A. Ch. J.
Programme Coordinator



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Approved by Pharmacy Council of India, New Delhi)

COURSE ON SYMPTOMS MANAGEMENT IN PALLIATIVE CARE

(Course Code: SMPC 2023-24)

Notice

Date: 11/07/2024

To

Notice Board

To be read in the class rooms

Course Coordinator: Mrs. A. Sravanthi

To be filed

The Oxford College of Pharmacy, Bangalore introduces a 30 hours course on **Symptom Management in Palliative care** for the Academic Year 2023-24, for the benefit of M Pharm students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from 19th July, 2024 and will be conducted every Friday and Saturday after class hours. The eligibility criteria include students pursuing Pharmacy degree that is M. Pharm. Interested students can enroll with, Mrs. A. Sravanthi course coordinator on or before 16th July 2024.

Course Co-coordinator

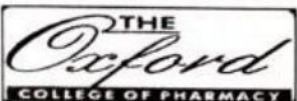
Mrs. A. Sravanthi

HOD

Dr.Noopur Srivastava

Principal

Dr. Padmaa M Paarakh



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e-mail: pharmacyprincipal@theoxford.edu; info@theoxford.edu;

Organizing Committee

Chairperson	Dr. Padmaa M Paarakh, Principal, TOCP, Bangalore.
HOD	Dr. Noopur Srivastava Department of Pharmacology TOCP, Bangalore.
Program Coordinator	Mrs. Sravanthi. A, Department of Pharmacology TOCP, Bangalore.

For Further Information Contact

Mrs. Sravanthi. A,
Assistant Professor
Department of Pharmacology
TOCP, Bangalore

THE OXFORD COLLEGE OF PHARMACY

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ELIGIBILITY CRITERIA

Students Pursuing Pharmacy Degree i.e., M. Pharm students.

Course On "Symptom management in Palliative care"



Organized by **THE OXFORD COLLEGE OF PHARMACY**

Department of Pharmacology,
1st Main Rd, Hongasandra, Bengaluru,
Karnataka 560068

Important Dates

Duration: 30 hours

Last date for registration: 16/7/2024

Date of commencement: 19/7/2024

**Planned Examination : After
completion of 30 hrs of classes**

REGISTRATION

Registration Fees	NIL It is a free course offered by The Oxford College of Pharmacy Bangalore-68
Contact person for registration	Mrs. A.Sravanthi, 9490967912

STRUCTURE

- Course will be conducted for 30 hours.
- Every Friday and Saturday after the college hours.

COURSE DESCRIPTION

The Department of Pharmacology TOCP , Bangalore- 560068 introduces a thirty hours certificate course on Symptom Management in Palliative Care(Course Code: SMPC 2023-2024). This course offers the basic knowledge about the Palliative care and Maintain the best quality of life possible for patients suffering from life threatening diseases.

OBJECTIVES OF PROGRAM

- The relieve the suffering of patient and their families by the treatment of physical, psychological and spiritual symptoms experienced by patients.
- This course help the students to describe the role of palliative care in supporting patients and families living with serious illness.

FINAL ASSESSMENT

Final exams will be conducted at the end of the syllabus

DURATION

Thirty hours beginning from 19th July 2024.

OUTCOME

At the end of this course students were able to:

- 1)Maximise the quality of life.
- 2)Provide relief from pain and other physical symptoms.
- 3)Provide psychological and spiritual care.
- 4)Provide support to help the family during the patient illness and their subsequent bereavement.
- 5) Help improve affecting physical, mental and emotional well-being of the patient.

6)REGISTRATION PROCESS

Directly contact Course Co-Ordinator and register.



Children's Education Society (Regd.)

The Oxford College of Pharmacy

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COURSE ON SYMPTOMS MANAGEMENT IN PALLIATIVE CARE

(Course Code: SMPC 2023-24)

REGISTRATION LIST

<u>S.NO</u>	<u>NAME OF THE STUDENT</u>	<u>STUDENT SIGNATURE</u>
1	Aniket Bipin Ballard	
2	Balraj.M	
3	Deepak.S	
4	Dhushyanth.G	
5	Harish Kumar.K	
6	Reeshita jhanak	
7	Santhala Chauthanya Prasad	
8	Sneha Suresh Salunkhe	
9	Sourav Charan	
10	Thejaswini.B	
11	Priya Raj Kumar	
12	Karthik M	
13	Rakesh A M	
14	Shivachavan HR	

Course Co-coordinators

A.Sravanthi

HOD

Dr. Noopur Srivastava

Principal

Dr. Padma M Paarakh



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COURSE ON SYMPTOM MANAGEMENT IN PALLIATIVE CARE

(Course Code: SMPC-2023-24)

Session Plan

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1	19/07/2024	Friday	4:30PM-5:30PM	Inaugural Module-1	Dr. Padmaa. M. Paarakh A. Sravanthi
2	20/07/2024	Saturday	2:00PM-3:00PM	Module-1	A.Sravanthi
3	26/07/2024	Friday	4:30PM-5:30PM	Module-1	A. Sravanthi
4	27/07/2024	Saturday	2:00PM-3:00PM	Module-1	A. Sravanthi
5	2/08/2024	Friday	4:30PM-5:30PM	Module-1	A. Sravanthi
6	3/08/2024	Saturday	2:00PM-3:00PM	Module-1	A. Sravanthi
7	9/08/2024	Friday	4:30PM-5:30PM	Module-1	A. Sravanthi
8	10/08/2024	Saturday	2:00PM-3:00PM	Module-1	A. Sravanthi
9	16/08/2024	Friday	4:30PM-5:30PM	Module-1	A. Sravanthi
10	17/08/2024	Saturday	2:00PM-3:00PM	Module-1	A. Sravanthi
11	23/08/2024	Friday	4:30PM-5:30PM	Module-1	A. Sravanthi
12	24/08/2024	Saturday	2:00PM-3:00PM	Module-2	A. Sravanthi
13	30/08/2024	Friday	4:30PM-5:30PM	Module-2	A. Sravanthi
14	31/08/2024	Saturday	2:00PM-3:00PM	Module-2	A. Sravanthi
15	6/09/2024	Friday	4:30PM-5:30PM	Module-2	A.Sravanthi
16	13/09/2024	Friday	4:30PM-5:30PM	Module-2	A. Sravanthi
17	14/09/2024	Saturday	2:00PM-3:00PM	Module-2	A. Sravanthi
18	20/09/2024	Friday	4:30PM-5:30PM	Module-2	A. Sravanthi
19	21/09/2024	Saturday	2:00PM-3:00PM	Module-2	A. Sravanthi
20	27/09/2024	Friday	4:30PM-5:30PM	Module-2	A. Sravanthi
21	28/09/2024	Saturday	2:00PM-3:00PM	Module-2	A. Sravanthi
22	4/10/2024	Friday	4:30PM-5:30PM	Module-3	A. Sravanthi



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23	5/10/2024	Saturday	2:00PM-3:00PM	Module-3	A. Sravanthi
24	11/10/2024	Friday	4:30PM-5:30PM	Module-3	A. Sravanthi
25	18/10/2024	Friday	4:30PM-5:30PM	Module-3	A. Sravanthi
26	19/10/2024	Saturday	2:00PM-3:00PM	Module-3	A. Sravanthi
27	25/10/2024	Friday	4:30PM-5:30PM	Module-3	A. Sravanthi
28	26/10/2024	Saturday	2:00PM-3:00PM	Module-3	A. Sravanthi
29	2/11/2024	Saturday	2:00PM-3:00PM	Module-3	A. Sravanthi
				Module-3	A. Sravanthi
			4:30PM-5:30PM		
30	8/11/2024	Friday	5:30PM-6:00PM	Valedictory	Dr. Noopur Srivastava

Course Co-coordinators

Mrs. A. Sravanti

HOD

Dr. Noopur Srivastava

Principal

Dr. Padma M Paarakh



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COURSE ON SYMPTOM MANAGEMENT IN PALLIATIVE CARE

(Course Code: SMPC 2023-24)

SYLLABUS

MODULES	TOPICS
MODULE-1	Principles of palliative care.
	History of palliative medicine.
	Practice of palliative care.
	Models of palliative care delivery.
	Speciality of palliative medicine.
	Tools or instruments used in palliative medicine.
	Communication skills in palliative care.
	Care planning and ethical issues in palliative care.
	Nursing interventions for symptoms management in palliative care.
	Introduction to palliative care for older adults.
	Palliative care in paediatrics
	Psychological aspects in palliative care like anxiety disorder, guilt and regret etc.,
	Stress and burnout in palliative care
	Cultural aspects in palliative care like spiritual distress, ways to lead spiritual life.
	Metastatic bone pain management.
	GI symptoms and management.
	Respiratory symptoms and management.
	Managing psychological issues in palliative care.
	Case scenario, bladder and bowel care.
	Skin care in colostomy



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MODULE-II	Palliative care in patients with non-malignant conditions.
	Palliative care in Oncological diseases.
	Importance of prognostication
	Palliative care in patients with non-malignant conditions.
	Sleep, body image and sexuality in palliative medicine.
	Procedure, interventional techniques in palliative medicine.
	Complementary and alternative medicine in palliative medicine.
	Managing common complications in palliative medicine setting.
	Palliative management in special conditions.
	National health Mission (NHM) Government programmes for palliative care.
	Approach to end of life care.

CO-ORDINATORS

Mrs. A. Sravanthi

HOD

Dr. Noopur Srivastava

PRINCIPAL

Dr. Padmaa M Parakh



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COURSE ON SYMPTOM MANAGEMENT IN PALLIATIVE CARE

(Course Code: SMPC 2023-24)

Outcome Report

The Department of Pharmacology, The Oxford College of Pharmacy, Bangalore- 560068, completed a course on Symptom management in Palliative care (Course Code: SMPC 2023-24). 14 students were registered and the course was conducted for 30 hours. This course has helped the students to understand the role of palliative care to maximise the quality of patients suffering from life threatening diseases.

Outcome: At the end of this course students were able to:

- 1) Maximise the quality of life.
- 2) Provide relief from pain and other physical symptoms.
- 3) Provide psychological and spiritual care.
- 4) Provide support to help the family during the patients illness and their subsequent bereavement.
- 5) Help improve affecting physical, mental and emotional well-being of the patient.

The students were satisfied and were keen to attend such programs in future.

Course Co-coordinator

Mrs. A. Sravanthi

HOD

Dr. Noopur Srivastava

Principal

Dr. Padmaa M Paarakh

AA



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COURSE ON SYMPTOM MANAGEMENT IN PALLIATIVE CARE

(Course Code: SMPC 2023-24)

Completion Report

The Department of Pharmacology, The Oxford college of Pharmacy, Bangalore, conducted a course on Symptom management in Palliative care (Course Code: SMPC 2023-24) for the academic year 2023-2024. The course was intended to impart knowledge to the students to give a better understanding of the patients symptoms, concerns and feelings and what matters to them to maximize the quality of life.

The course was started with a formal inaugural function started by Principal Dr. M. Padmaa Paarakh. The function was conducted and all the participants were introduced by Mrs. Sravanthi, Course Coordinator. Our principal had emphasized on the importance of doing such courses in academics as well as in future also. The inaugural function has been summed up with the introductory lecture of course coordinator by Mrs. Sravanthi.

A total 30 hours course had been conducted after the college hours on Friday and Saturday. About 14 students were attended the course and benefited. The syllabus of the course had been divided into three modules. After the completion of each module an internal assessment was conducted and overall test was conducted after the completion of the course. All the students were written the test. 72.61 % students scored grade A (marks percentage-95-100%) in all the tests followed by 8.86 % who scored grade B (marks percentage-90-94%) and 9.87 % scored grade C (marks percentage-85-90 %) and 9.0 % scored grade D (marks percentage-75-84%).

The performance of the students in the tests were found to be excellent. About 81.47% of the students had scored more than 95% marks in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes if any they have.

The valedictory function has been conducted on 08/11/2024 and the course participation certificates were distributed to all 14 students by the Principal Dr. Padmaa M Paarakh and Head of the Department Dr. Noopur srivastava. Dr. Noopur srivastava thanked Principal Madam and management for providing best infrastructure for carrying out such courses. On behalf of Department, he promised to carry out such courses in future also.



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The guest of the valedictory function, Dr Padmaa Paarakh, Principal, TOCP, Bangalore had appreciated the enthusiasm of the students in this course and also thanked the Department of Pharmacology, and the course coordinator Mrs. Sravanthi for successful completion of the course.

Course Co-coordinator

A. Sravanthi

HOD

Dr. Noopur Srivastava

Principal

Dr. Padmaa M Paarakh



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COURSE ON SYMPTOMS MANAGEMENT IN PALLIATIVE CARE

(Course Code: SMPC 2023-24)

Attendance Statement

S. No	Name of the student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Date of the Class	11/7	20/7	26/7	27/7	2/8	3/8	9/8	10/8	16/8	17/8	23/8	24/8	30/8	31/8	6/9
1	Aniket Bipin Ballard	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
2	Balraj.M	Bal	Bal	Bal	Bal	Bal	Bal	Bal	Bal	Bal	Bal	Bal	Bal	Bal	Bal	Bal
3	Deepak.S	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep
4	Dhushyanth.G	Dhush	Dhush	Dhush	Dhush	Dhush	Dhush	Dhush	Dhush	Dhush	Dhush	Dhush	Dhush	Dhush	Dhush	Dhush
5	Harish Kumar.K	Har	Har	Har	Har	Har	A	Har	Har	Har	Har	Har	Har	Har	Har	Har
6	Reeshita jhanak	Ree	Ree	Ree	Ree	Ree	Ree	Ree	Ree	Ree	Ree	Ree	Ree	Ree	Ree	Ree
7	Santhala Chauthanya Prasad	Sep	Sep	Sep	Sep	Sep	Sep	Sep	Sep	A	Sep	Sep	Sep	Sep	Sep	Sep
8	Sneha Suresh Salunkhe	Sne	Sne	Sne	Sne	Sne	Sne	Sne	Sne	Sne	Sne	Sne	Sne	Sne	Sne	Sne
9	Sourav Charan	Sou	Sou	Sou	A	Sou	Sou	Sou	Sou	Sou	Sou	Sou	Sou	Sou	Sou	Sou
10	Thejaswini.B	The	The	The	The	The	The	The	The	The	The	The	The	The	The	The
11	Priya Raj Kumar	Pri	Pri	Pri	Pri	Pri	Pri	Pri	Pri	Pri	Pri	Pri	Pri	Pri	Pri	Pri
12	Karthik M	Kar	Kar	Kar	Kar	Kar	Kar	Kar	Kar	Kar	Kar	Kar	Kar	Kar	Kar	Kar
13	Rakesh A M	Rak	Rak	Rak	Rak	Rak	Rak	Rak	Rak	Rak	Rak	Rak	Rak	Rak	Rak	Rak
14	Shivachavan HR	Shi	Shi	Shi	Shi	Shi	Shi	Shi	Shi	Shi	Shi	Shi	Shi	Shi	Shi	Shi
	SIGNATURE	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙





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COURSE ON SYMPTOMS MANAGEMENT IN PALLIATIVE CARE

(Course Code: S MPC 2023-24)

Attendance Statement

S. No	Name of the student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Date of the Class	18/9	19/9	20/9	21/9	22/9	23/9	4/10	5/10	11/10	12/10	13/10	20/10	21/10	28/10	29/10
1	Aniket Bipin Ballard	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	Balraj M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	Deepak S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	Dhushyanth G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	Harish Kumar K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	Reeshita jhanak	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	Santhala Chauthanya Prasad	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	Sneha Suresh Salunkhe	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	Sourav Charan	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	Thejaswini B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	Priya Raj Kumar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	Karthik M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	Rakesh A M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
14	Shivachavan HR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SIGNATURE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓





THE OXFORD COLLEGE OF PHARMACY
6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that **BALRAJ.M.**.....of has undergone a *Course on Symptom Management on Palliative care* held at the Department of Pharmacology, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.

Course Coordinator

HOD

Principal

A.Sravanthi
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr. Noopur Srivastava
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that DEEPAK.S.....of has undergone a *Course on Symptom Management on Palliative care* held at the Department of Pharmacology, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.

Course Coordinator

Dr. Noopur Srivastava
HOD

Dr. Noopur Srivastava
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr. Padma M Paarakh
Principal

Dr. Padma M Paarakh
The Oxford College of Pharmacy

A.Sravanthi
Dept. of Pharmacology
The Oxford College of Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that *PRINA.RAJ.KUMAR*.....of has undergone a *Course on Symptom Management on Palliative care* held at the Department of Pharmacology, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.

Course Coordinator

A.Sravanthi
Dept. of Pharmacology
The Oxford College of Pharmacy

HOD

Dr. Noopur Srivastava
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that ..TEJASWINI.B.....of has undergone a *Course on Symptom Management on Palliative care* held at the Department of Pharmacology, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.

Course Coordinator

HOD

Principal

A.Sravanthi
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr. Noopur Srivastava
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that ..**HARISH.KUMAR.K.**.....of has undergone a *Course on Symptom Management on Palliative care* held at the Department of Pharmacology, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.

Course Coordinator

Shrivastava
HOD

P. Padma
Principal

A.Sravanthi
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The Oxford College of Pharmacy

Dr. Noopur Srivastava
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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COURSE ON BIOMARKERS IN NEURODEGENERATIVE DISEASE
(Course Code: BND 2023-24)

Notice

Date: 29/12/2023

To

Notice Board

To be read in the class rooms

Course Coordinator: Dr. G Venkata Karthik Kumar Reddy

To be filed

The Oxford College of Pharmacy, Bangalore introduces a 30 hours course on **Biomarkers in Neurodegenerative Disease** for the academic year 2023-24, for the benefit of B.Pharm students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from 4th January, 2024 and will be conducted every Thursday and Friday after class hours. The eligibility criteria include students pursuing Pharmacy degree that is B.Pharm. Interested students can enroll with, Dr. G Venkata Karthik Kumar Reddy course coordinator on or before 3rd January 2024.

Karthik

Course Co-coordinator

Dr. G Venkata Karthik Kumar Reddy

Srivastava

HOD

Dr. Noopur Srivastava

P. Padma
Principal

Dr. Padmaa M Paarakh



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Organizing Committee

Chairman	Dr. Padmaa M Paarakh, Principal, TOCP, Bangalore.
HOD	Dr. Noopur Srivastava Department of Pharmacology TOCP, Bangalore.
Program Coordinator	Dr. G Venkata Karthik Kumar Reddy, Department of Pharmacology TOCP, Bangalore.

For Further Information Contact

Dr. G Venkata Karthik Kumar
Reddy,
Assistant Professor
Department of Pharmacology
TOCP, Bangalore

THE OXFORD COLLEGE OF PHARMACY

The Oxford College of Pharmacy (TOCP) was established in 1992. TOCP under the aegis of Children's Education Society (R) offers D Pharm, B Pharm, M Pharm, Pharm D, Pharm D Post Baccalaureate and PhD Programs. TOCP is recognized by the Government of Karnataka, affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, and Drug control Board, Karnataka respectively, approved by A.I.C.T.E and Pharmacy Council of India, New Delhi. TOCP has excellent infrastructure in terms of sophisticated instruments, laboratories, lecture halls, etc.

ELIGIBILITY CRITERIA

Students Pursuing Pharmacy Degree i.e., B. Pharm

Course On "Biomarkers in Neurodegenerative Disease"



Organized by **THE OXFORD COLLEGE OF PHARMACY**

Department of Pharmacology,
1st Main Rd, Hongasandra, Bengaluru,
Karnataka 560068

Important Dates

Duration: 30 hours

Last date for registration: 03/01/2024

Date of commencement: 04/01/2024

**Planned Examination : After completion
of 30 hrs of classes**

REGISTRATION

Registration Fees	NIL It is a free course offered by The Oxford College of Pharmacy Bangalore-68
Contact person for registration	Dr. G Venkata Karthik Kumar Reddy 8884183476

STRUCTURE

- Course will be conducted for 30 hours.
- Every Thursday and Friday after the college hours.

COURSE DESCRIPTION

The Department of Pharmacology TOCP, Bangalore- 560068 introduces a thirty hours certificate course on "Biomarkers in Neurodegenerative Disease" (Course Code: BND 2023-24). This course offers the basic knowledge about the various biomarkers used in the Pharmacotherapy of various neurodegenerative diseases

OBJECTIVES OF PROGRAM

- The main goal is to identify specific biomarkers, understand the molecular basis of neurodegenerative disorders
- This course help the students to know various disease-modifying therapies that can improve and simplify the areas of differential diagnosis, as well as monitor the disease course with the aim of estimating the prognosis or evaluating the effects of treatment and to summarize the current knowledge about clinically relevant biomarkers in different neurodegenerative diseases.

FINAL ASSESSMENT

Final exams will be conducted at the end of the syllabus

DURATION

Thirty hours beginning from 4th January 2024.

OUTCOME

At the end of this course students were able to:

- 1)Identify specific biomarkers and understand the molecular basis of neurodegenerative disorders.
- 2)To know various disease-modifying therapies that can improve quality of life .
- 3)Understand the principles that guide in estimating the prognosis or evaluating the effects of treatment .
- 4)Promote knowledge about clinically relevant biomarkers in different neurodegenerative diseases.
- 5)To maximise the quality of life.

REGISTRATION PROCESS

Directly contact Course Co-Ordinator and register.



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COURSE ON BIOMARKERS IN NEURODEGENERATIVE DISEASE

(Course Code: BND 2023-24)

Session Plan

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1	4/1/2024	Thursday	4:30PM-5:30PM	Inaugural Module-1	Dr. Padmaa. M. Paarakh Dr. G Karthik Reddy
2	5/1/2024	Friday	4:30PM-5:30PM	Module-1	Dr. G Karthik Reddy
3	11/1/2024	Thursday	4:30PM-5:30PM	Module-1	Dr. G Karthik Reddy
4	12/1/2024	Friday	4:30PM-5:30PM	Module-1	Dr. G Karthik Reddy
5	18/1/2024	Thursday	4:30PM-5:30PM	Module-1	Dr. G Karthik Reddy
6	19/1/2024	Friday	4:30PM-5:30PM	Module-1	Dr. G Karthik Reddy
7	25/1/2024	Thursday	4:30PM-5:30PM	Module-1	Dr. G Karthik Reddy
8	1/2/2024	Thursday	4:30PM-5:30PM	Module-1	Dr. G Karthik Reddy
9	2/2/2024	Friday	4:30PM-5:30PM	Module-1	Dr. G Karthik Reddy
10	8/2/2024	Thursday	4:30PM-5:30PM	Module-1	Dr. G Karthik Reddy
11	9/2/2024	Friday	4:30PM-5:30PM	Module-1	Dr. G Karthik Reddy
12	15/2/2024	Thursday	4:30PM-5:30PM	Module-2	Dr. G Karthik Reddy
13	16/2/2024	Friday	4:30PM-5:30PM	Module-2	Dr. G Karthik Reddy
14	22/2/2024	Thursday	4:30PM-5:30PM	Module-2	Dr. G Karthik Reddy
15	23/2/2024	Friday	4:30PM-5:30PM	Module-2	Dr. G Karthik Reddy
16	29/2/2024	Thursday	4:30PM-5:30PM	Module-2	Dr. G Karthik Reddy
17	1/3/2024	Friday	4:30PM-5:30PM	Module-2	Dr. G Karthik Reddy
18	7/3/2024	Thursday	4:30PM-5:30PM	Module-2	Dr. G Karthik Reddy
19	14/3/2024	Thursday	4:30PM-5:30PM	Module-2	Dr. G Karthik Reddy
20	15/3/2024	Friday	4:30PM-5:30PM	Module-2	Dr. G Karthik Reddy
21	21/3/2024	Thursday	4:30PM-5:30PM	Module-2	Dr. G Karthik Reddy
22	22/3/2024	Friday	4:30PM-5:30PM	Module-3	Dr. G Karthik Reddy



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23	28/3/2024	Thursday	4:30PM-5:30PM	Module-3	Dr. G Karthik Reddy
24	4/4/2024	Thursday	4:30PM-5:30PM	Module-3	Dr. G Karthik Reddy
25	12/4/2024	Friday	4:30PM-5:30PM	Module-3	Dr. G Karthik Reddy
26	18/4/2024	Thursday	4:30PM-5:30PM	Module-3	Dr. G Karthik Reddy
27	19/4/2024	Friday	4:30PM-5:30PM	Module-3	Dr. G Karthik Reddy
28	25/4/2024	Thursday	4:30PM-5:30PM	Module-3	Dr. G Karthik Reddy
29	26/4/2024	Friday	4:30PM-5:30PM	Module-3	Dr. G Karthik Reddy
30	3/5/2024	Friday	4:30PM-5:30PM	Module-3	Dr. G Karthik Reddy
31	3/5/2024	Friday	5:30PM-6:30PM	Valedictory	Dr. G Karthik Reddy

Karthik

Course Co-coordinators

Dr. G Venkata Karthik Kumar Reddy

Srivastava

HOD

Dr. Noopur Srivastava

P. Padma

Principal

Dr. Padma M Paarakh



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COURSE ON BIOMARKERS IN NEURODEGENERATIVE DISEASE

(Course Code: BND 2023-24)

REGISTRATION LIST

<u>S.NO</u>	<u>NAME OF THE STUDENT</u>	<u>STUDENT SIGNATURE</u>
1	Pavana M	P
2	Pavani.B	Pavani B.
3	Pavitra hiremath	Pavitra
4	PK Aryan Otta	PK Aryan
5	Prajwal	Prajwal
6	Prakruthi J	Prakruthi J
7	Praveen s shankri	Praveen
8	M.Pravin kumar	M.Pravin kumar
9	R K Dhanush	R
10	Rakshitha.S	Rakshitha.S
11	Rakshitha S	Rakshitha.S
12	Rashmitha.A.R.	Rashmitha.A.R.
13	Ravichandra V	Ravichandra V
14	Ritesh Khemka	Ritesh Khemka
15	Rohith.V	Rohith.V
16	S Nanditha	S Nanditha
17	Sangeeta.N	Sangeeta.N
18	Sara zaiba	Sara zaiba
19	Saran .R	Saran .R
20	Shapthagiri.j.m	Shapthagiri.j.m

Karthik

Course Co-coordinators

Dr. G Venkata Karthik Kumar Reddy

Srivastava

HOD

Dr. Noopur Srivastava

P. Padma
Principal

Dr. Padma M Paarakh



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COURSE ON BIOMARKERS IN NEURODEGENERATIVE DISEASE

(Course Code: BND 2023-24)

SYLLABUS

MODULES	TOPICS
MODULE-1	Introduction to Neurodegenerative diseases and biomarkers .
	Biomarkers used in Alzheimer's disease
	Role of Amyloid Beta in AD
	Role of Total Tau Protein, Phosphorylated Tau Protein in AD
	Neurofilament Light Chains (NFL) in AD
	CSF Biomarkers of AD
	Biomarkers in Synucleopathies
	Alpha synuclein and its forms
	Role of Amyloid Beta, Total Tau Protein, Phosphorylated Tau Protein in Lewy body diseases and multiple system atrophy.
	Neurofilament Light Chains (NFL) in Lewy body diseases and multiple system atrophy
	Ubiquitin hydrolase -1 as potential marker in Synucleopathies.
MODULE -II	Introduction to Proteinopathies
	Tauopathies and TDP-43
	Role of Amyloid Beta, Total Tau Protein, Phosphorylated Tau Protein in Tauopathies
	Role of Amyloid Beta, Total Tau Protein, Phosphorylated Tau Protein in TDP-43
	Role of Progranulin in Tauopathies
	Role of Progranulin in TDP-43
	Neurofilament Light Chains (NFL) in Tauopathies
	Neurofilament Light Chains (NFL) in TDP-43



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	Dipeptide repeat proteins as biomarkers in Tauopathies
	Dipeptide repeat proteins as biomarkers in TDP-43
MODULE-III	Prion Diseases
	RT-QuIC analysis
	Role of Total Tau Protein in Prion Diseases
	Neurofilament Light Chains (NFL) in Prion Diseases
	Biomarker Analysis
	Role of Exosomes in Biomarker Analysis
	Parkinson's Disease and Dementia
	Role of alpha synuclein in Parkinson's Disease and Dementia
	miRNA as potential biomarker in Parkinson's Disease

Karthik

CO-ORDINATORS

Dr.G Venkata Karthik Kumar Reddy

Shrivastava

HOD

Dr.Noopur Srivastava

P. Padma

PRINCIPAL

Dr. Padmaa M Paarakh



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COURSE ON BIOMARKERS IN NEURODEGENERATIVE DISEASE

(Course Code: BND 2023-24)

Outcome Report

The Department of Pharmacology, The Oxford College of Pharmacy, Bangalore- 560068, completed a course on Biomarkers in Neurodegenerative Disease (Course Code: BND 2023-24). 20 students were registered and the course was conducted for 30 hours. This course has helped the students to understand the current knowledge about clinically relevant biomarkers in different neurodegenerative diseases.

Outcome: At the end of this course students were able to:

- 1) Identify specific biomarkers and understand the molecular basis of neurodegenerative disorders.
- 2) To know various disease-modifying therapies that can improve quality of life .
- 3) Understand the principles that guide in estimating the prognosis or evaluating the effects of treatment .
- 4) Promote knowledge about clinically relevant biomarkers in different neurodegenerative diseases.
- 5) To maximise the quality of life.

The students were satisfied and were keen to attend such programs in future.

Karthik

Course Co-coordinator

Dr.G Venkata Karthik Kumar Reddy

Noopur

HOD

Dr. Noopur Srivastava

P. Padma
Principal

Dr. Padmaa M Paarakh





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COURSE ON BIOMARKERS IN NEURODEGENERATIVE DISEASE

(Course Code: BND 2023-24)

Completion Report

The Department of Pharmacology, The Oxford college of Pharmacy, Bangalore, conducted a course on Biomarkers in Neurodegenerative Disease (Course Code: BND 2023-24) for the academic year 2023-2024. The course was intended to impart knowledge to the students to identify specific biomarkers and understand the molecular basis of neurodegenerative disorders and to improve quality of life.

The course was started with a formal inaugural function started by Principal Dr. M. Padmaa Paarakh. The function was conducted and all the participants were introduced by Dr. G Venkata Karthik Kumar Reddy, Course Coordinator. Our principal had emphasized on the importance of doing such courses in academics as well as in future also. The inaugural function has been summed up with the introductory lecture of course coordinator by Dr. G Venkata Karthik Kumar Reddy.

A total 30 hours course had been conducted after the college hours on Thursday and Friday. About 20 students were attended the course and benefited. The syllabus of the course had been divided into three modules. After the completion of each module an internal assessment was conducted and overall test was conducted after the completion of the course. After the completion of each module the tests were conducted.

All the students were written the test. Approximately 72.61 % students scored grade A (marks percentage-95-100%) in all the tests followed by 8.86 % who scored grade B (marks percentage-90-94%) and % scored grade C 9.87 % (marks percentage-85-90 %) and 9.0 % scored grade D (marks percentage-75-84 %). The performance of the students in the tests were found to be excellent. About 81.47% of the students had scored more than 95% marks in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes if any they have.

The valedictory function has been conducted on 03/05/2024 and the course participation certificates were distributed to all 20 students by the Principal Dr.Padmaa M Paarakh and Head of the Department Dr.Noopur



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Dr. Noopur srivastava thanked Principal Madam and management for providing best infrastructure for carrying out such courses. On behalf of Department, she promised to carry out such courses in future also.

The guest of the valedictory function, Dr Padmaa Paarakh, Principal, TOCP, Bangalore had appreciated the enthusiasm of the students in this course and also thanked the Department of Pharmacology, and the course coordinator Dr.G Venkata Karthik Kumar Reddy for successful completion of the course.

Karthik

Course Co-coordinator

Dr.G Venkata Karthik Kumar Reddy

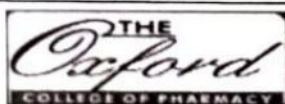
Srivastava

HOD

Dr. Noopur Srivastava

P. Padma
Principal

Dr. Padmaa M Paarakh



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6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that SANGEETA N of I B PHARM has undergone a *Course on Biomarkers in Neurodegenerative Disease* held at the Department of Pharmacology, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.

Karthik

Course Coordinator

Srivastava
HOD

P. Padma
Principal

Dr. G Venkata Karthik Kumar
Reddy
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr. Noopur Srivastava
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that **RAVI CHANDRA.V** of **J B.PHARM** has undergone a *Course on Biomarkers in Neurodegenerative Disease* held at the Department of Pharmacology, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.

Karthi

Course Coordinator

Srivastava.
HOD

P. Padma
Principal

Dr. G Venkata Karthik Kumar
Reddy
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr. Noopur Srivastava
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that ...PAVANI. B......of ..I. B. PHARM... has undergone a *Course on Biomarkers in Neurodegenerative Disease* held at the Department of Pharmacology, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.

Karthik

Course Coordinator

Dr. G Venkata Karthik Kumar
Reddy
Dept. of Pharmacology
The Oxford College of Pharmacy

Srivastava.
HOD

Dr. Noopur Srivastava
Dept. of Pharmacology
The Oxford College of Pharmacy

P. Padma
Principal

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that ...**R.K. DHANUSH**.....of ...**I.B.PHARM**... has undergone a *Course on Biomarkers in Neurodegenerative Disease* held at the Department of Pharmacology, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.

Karthik

Course Coordinator

N. Srivastava
HOD

P. Padma
Principal

Dr. G Venkata Karthik Kumar
Reddy
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr. Noopur Srivastava
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that SARAN.R of B.PHARM has undergone a *Course on Biomarkers in Neurodegenerative Disease* held at the Department of Pharmacology, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.

Course Coordinator

HOD
Principal

Dr. G Venkata Karthik Kumar
Reddy
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr. Noopur Srivastava
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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COURSE ON DIGITAL HEALTH AND PHARMACY INFORMATICS

(Course Code: DHPI 2023-24)

ATTENDANCE STATEMENT

S. No	Name of the student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Date of the Class	15/7	16/7	18/7	22/7	23/7	24/7	25/7	29/7	30/7	31/7	01/08	05/08	06/08	07/08	08/08
1	DIVYA CK	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
2	GAGAN SAGAR M	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
3	GAYATHRI. N. BIRADAR	GB	GB	GB	GB	GB	GB	GB	GB	GB	GB	GB	GB	GB	GB	GB
4	GOWTHAM S	Gow	Gow	Gow	Gow	Gow	Gow	Gow	Gow	Gow	Gow	Gow	Gow	Gow	Gow	Gow
5	HARISH TK	HTK	HTK	HTK	HTK	HTK	HTK	HTK	HTK	HTK	HTK	HTK	HTK	HTK	HTK	HTK
6	HARSHITHA. P	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP
7	R. HARSHITHA	Hai	Hai	Hai	Hai	Hai	Hai	Hai	Hai	Hai	Hai	Hai	Hai	Hai	Hai	Hai
8	M.HEMANTH	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH
9	IQRA	IQRA	IQRA	IQRA	IQRA	IQRA	IQRA	IQRA	IQRA	IQRA	IQRA	IQRA	IQRA	IQRA	IQRA	IQRA
10	PRAVIN J	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra
11	JEEVAN.R	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee
12	JEEVITHA S	JeeS	JeeS	JeeS	JeeS	JeeS	JeeS	JeeS	JeeS	JeeS	JeeS	JeeS	JeeS	JeeS	JeeS	JeeS
13	K LAKSHMI	KL	KL	KL	KL	KL	KL	KL	KL	KL	KL	KL	KL	KL	KL	KL
14	KUMARI MUSKAN	Mus	Mus	Mus	Mus	Mus	Mus	Mus	Mus	Mus	Mus	Mus	Mus	Mus	Mus	Mus
15	MADHURA R	MR	MR	MR	MR	MR	MR	MR	MR	MR	MR	MR	MR	MR	MR	MR
	SIGNATURE															



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COURSE ON DIGITAL HEALTH AND PHARMACY INFORMATICS

(Course Code: DHPI 2023-24)

ATTENDANCE STATEMENT

S. No	Name of the student	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	Date of the Class	12/08	13/08	14/08	26/08	27/08	28/08	29/08	02/09	03/09	04/09	05/09	09/09	10/09	11/09	12/09
1	DIVYA C K	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
2	GAGAN SAGAR M	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
3	GAYATHRI. N. BIRADAR	GB	GB	GB	GB	GB	GB	GB	GB	GB	GB	GB	GB	GB	GB	GB
4	GOWTHAM S	Gow	Gow	Gow	Gow	Gow	Gow	Gow	Gow	Gow	Gow	Gow	Gow	Gow	Gow	Gow
5	HARISH TK	HTK	HTK	HTK	HTK	HTK	HTK	HTK	HTK	HTK	HTK	HTK	HTK	HTK	HTK	HTK
6	HARSHITHA. P	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP
7	R. HARSHITHA	Hai	Hai	Hai	Hai	Hai	Hai	Hai	Hai	Hai	Hai	Hai	Hai	Hai	Hai	Hai
8	M.HEMANTH	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH
9	IQRA	IQRA	IQRA	IQRA	IQRA	IQRA	IQRA	IQRA	IQRA	IQRA	IQRA	IQRA	IQRA	IQRA	IQRA	IQRA
10	PRAVIN J	Pran	Pran	Pran	Pran	Pran	Pran	Pran	Pran	Pran	Pran	Pran	Pran	Pran	Pran	Pran
11	JEEVAN.R	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee	Jee
12	JEEVITHA S	JS	JS	JS	JS	JS	JS	JS	JS	JS	JS	JS	JS	JS	JS	JS
13	K LAKSHMI	KL	KL	KL	KL	KL	KL	KL	KL	KL	KL	KL	KL	KL	KL	KL
14	KUMARI MUSKAN	Mus	Mus	Mus	Mus	Mus	Mus	Mus	Mus	Mus	Mus	Mus	Mus	Mus	Mus	Mus
15	MADHURA R	MR	MR	MR	MR	MR	MR	MR	MR	MR	MR	MR	MR	MR	MR	MR
	SIGNATURE															



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COURSE ON DIGITAL HEALTH AND PHARMACY INFORMATICS

(Course Code: DHPI 2023-24)

List of students

S. No	Name of the student	Signature
1	DIVYA C K	<i>Divya.</i>
2	GAGAN SAGAR M	<i>Gagan.</i>
3	GAYATHRI. N. BIRADAR	<i>GB</i>
4	GOWTHAM S	<i>Gowtham.</i>
5	HARISH TK	<i>HTK</i>
6	HARSHITHA. P	<i>HP.</i>
7	R. HARSHITHA	<i>R. Harshitha</i>
8	M.HEMANTH	<i>M. Hemanth.</i>
9	IQRA	<i>IQRA</i>
10	PRAVIN J	<i>Pravin J</i>
11	JEEVAN.R	<i>Jee.</i>
12	JEEVITHA S	<i>Jeevitha S.</i>
13	K LAKSHMI	<i>K.L.</i>
14	KUMARI MUSKAN	<i>Muskan</i>
15	MADHURA R	<i>Madhura.</i>

P. Bogas

Course Co-coordinator

Mrs. Pallavi N.

N. Shivastava

HOD

Dr. Noopur Srivastava

P. Padma

Principal

Dr. Padmaa M Paarakh



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COURSE ON DIGITAL HEALTH AND PHARMACY INFORMATICS

(Course Code: DHPI 2023-24)

Session Plan

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1	15/07/2024	Monday	04:30PM-05:30PM	Inaugural Module-1	Dr. Padmaa. M. Paarakh Mrs. Pallavi N.
2	16/07/2024	Tuesday	04:30PM-05:30PM	Module-1	Mrs. Pallavi N.
3	18/07/2024	Thursday	04:30PM-05:30PM	Module-1	Mrs. Pallavi N.
4	22/07/2024	Monday	04:30PM-05:30PM	Module-1	Mrs. Pallavi N.
5	23/07/2024	Tuesday	04:30PM-05:30PM	Module-1	Mrs. Pallavi N.
6	24/07/2024	Wednesday	04:30PM-05:30PM	Module-1	Mrs. Pallavi N.
7	25/07/2024	Thursday	04:30PM-05:30PM	Module-1	Mrs. Pallavi N.
8	29/07/2024	Monday	04:30PM-05:30PM	Module-1	Mrs. Pallavi N.
9	30/07/2024	Tuesday	04:30PM-05:30PM	Module-1	Mrs. Pallavi N.
10	31/07/2024	Wednesday	04:30PM-05:30PM	Module-1	Mrs. Pallavi N.
11	01/08/2024	Thursday	04:30PM-05:30PM	Module-1	Mrs. Pallavi N.
12	05/08/2024	Monday	04:30PM-05:30PM	Module-1	Mrs. Pallavi N.
13	06/08/2024	Tuesday	04:30PM-05:30PM	Module-1	Mrs. Pallavi N.
14	07/08/2024	Wednesday	04:30PM-05:30PM	Module-1	Mrs. Pallavi N.
15	08/08/2024	Thursday	04:30PM-05:30PM	Module-1	Mrs. Pallavi N.
16	12/08/2024	Monday	04:30PM-05:30PM	Module-2	Mrs. Pallavi N.
17	13/08/2024	Tuesday	04:30PM-05:30PM	Module-2	Mrs. Pallavi N.
18	14/08/2024	Wednesday	04:30PM-05:30PM	Module-2	Mrs. Pallavi N.
19	26/08/2024	Monday	04:30PM-05:30PM	Module-2	Mrs. Pallavi N.



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20.	27/08/2024	Tuesday	04:30PM-05:30PM	Module-2	Mrs. Pallavi N.
21	28/08/2024	Wednesday	04:30PM-05:30PM	Module-2	Mrs. Pallavi N.
22	29/08/2024	Thursday	04:30PM-05:30PM	Module-2	Mrs. Pallavi N.
23	02/09/2024	Monday	04:30PM-05:30PM	Module-2	Mrs. Pallavi N.
24	03/09/2024	Tuesday	04:30PM-05:30PM	Module-2	Mrs. Pallavi N.
25	04/09/2024	Wednesday	04:30PM-05:30PM	Module-2	Mrs. Pallavi N.
26	05/09/2024	Thursday	04:30PM-05:30PM	Module-2	Mrs. Pallavi N.
27	09/09/2024	Monday	04:30PM-05:30PM	Module-2	Mrs. Pallavi N.
30	10/09/2024	Tuesday	04:30PM-05:30PM	Module-2	Mrs. Pallavi N.
31	11/09/2024	Wednesday	04:30PM-05:30PM	Valedictory	Mrs. Pallavi N.

Course Co-coordinator

Mrs. Pallavi N

HOD

Dr. Noopur Srivastava

Principal

Dr. Padmaa M Paarakh



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COURSE ON DIGITAL HEALTH AND PHARMACY INFORMATICS

(Course Code: DHPI 2023-24)

SYLLABUS

MODULES	TOPICS
MODULE-1	Overview of Digital Health: Definition, importance, and key components
	Telemedicine and Telehealth: Differences, benefits, and challenges in implementation.
	Mobile Health (mHealth) Applications: Types, uses, and evaluation of health apps.
	Wearable Health Technologies: Impact on health monitoring and chronic disease management.
	Health Information Exchange (HIE): Mechanisms, benefits, and challenges of data sharing.
	Patient Engagement Tools: Digital strategies to enhance patient involvement in care.
	Artificial Intelligence in Health Care: Applications in diagnostics, treatment, and personalized medicine.
	Big Data Analytics in Health: Utilizing large datasets for improving health outcomes.
	Health Informatics Standards: Importance of interoperability and common standards
	Digital Therapeutics: Evidence-based software to treat or manage medical conditions.
	Cybersecurity in Digital Health: Protecting patient data and ensuring system integrity.
	Regulatory and Legal Issues: Overview of regulations affecting digital health technologies.
	Remote Patient Monitoring: Technologies and methods for tracking patient health outside clinical settings.
	Digital Health Disparities: Addressing inequalities in access to digital health resources
Future Trends in Digital Health: Emerging technologies and innovations shaping the future of health care.	
	Electronic Health Records (EHRs) in Pharmacy: Exploring integration and data management.
	Medication Management Systems: Tools for tracking prescriptions and ensuring adherence.



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MODULE-II

Clinical Decision Support Systems (CDSS): Enhancing decision-making through data analytics.

Pharmacy Automation Technologies: Robotics and automation in medication dispensing.

Interoperability Standards: Ensuring seamless data exchange between systems.

Interoperability Standards: Ensuring seamless data exchange between systems.

Tele-pharmacy: Remote pharmaceutical care and consultation technologies.

Data Analytics in Pharmacy: Leveraging big data for improving outcomes.

Patient-Centered Care Models: Informatics approaches to enhance patient engagement.

Regulatory Compliance and Informatics: Navigating FDA and HIPAA requirements in pharmacy data.

Pharmacy Information Systems (PIS): System design and functionality for managing pharmacy operations.

Mobile Health (mHealth) Applications: Role of mobile apps in medication management and education.

Artificial Intelligence in Pharmacy: Applications of AI for drug discovery and personalized medicine.

Pharmacy Informatics Education and Training: Curriculum development for future pharmacy informaticists.

Health Information Exchange (HIE): Facilitating data sharing across healthcare settings for improved care.

CO-ORDINATOR

Mrs. Pallavi N

HOD

Dr. Noopur Srivastava

PRINCIPAL

Dr. Padmaa M. Paarakh



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PARTICIPATION CERTIFICATE

This is to certify thatIQRA.....of IV SEM..B.Pharm has undergone an **Course on Digital Health And Pharmacy Informatics** held at the Department of Pharmacology, The Oxford College of Pharmacy, Bangalore, Karnataka, for the Academic Year 2023-24.


Course Co-ordinator

Mrs. Pallavi N.
Dept. of Pharmacology
The Oxford College of Pharmacy


HOD

Dr Noopur Srivastava
Dept. of Pharmacology
The Oxford College of Pharmacy


Principal

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



THE OXFORD COLLEGE OF PHARMACY
6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that**GOWTHAM...S.....** of **IV.sem. B.Pharm.** has undergone an **Course on Digital Health And Pharmacy Informatics** held at the Department of Pharmacology, The Oxford College of Pharmacy, Bangalore, Karnataka, for the Academic Year 2023-24.

Course Co-ordinator

HOD

Principal

Mrs. Pallavi N.
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr Noopur Srivastava
Dept. of Pharmacology
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that ...**K. LAKSHMI**.....of **IV sem B.Pharm** has undergone an **Course on Digital Health And Pharmacy Informatics** held at the Department of Pharmacology, The Oxford College of Pharmacy, Bangalore, Karnataka, for the Academic Year 2023-24.


Course Co-ordinator

Mrs. Pallavi N.
Dept. of Pharmacology
The Oxford College of Pharmacy


HOD

Dr Noopur Srivastava
Dept. of Pharmacology
The Oxford College of Pharmacy


Principal

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



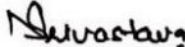
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PARTICIPATION CERTIFICATE

This is to certify that ...MADHURA R.....of IV Sem B.Pharm has undergone an **Course on Digital Health And Pharmacy Informatics** held at the Department of Pharmacology, The Oxford College of Pharmacy, Bangalore, Karnataka, for the Academic Year 2023-24.


Course Co-ordinator

Mrs. Pallavi N.
Dept. of Pharmacology
The Oxford College of Pharmacy


HOD

Dr Noopur Srivastava
Dept. of Pharmacology
The Oxford College of Pharmacy


Principal

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that **M. HEMANTH**.....of **1^Y SEM B.Pharm** has undergone an **Course on Digital Health And Pharmacy Informatics** held at the Department of Pharmacology, The Oxford College of Pharmacy, Bangalore, Karnataka, for the Academic Year 2023-24.


Course Co-ordinator

Mrs. Pallavi N.
Dept. of Pharmacology
The Oxford College of Pharmacy


HOD

Dr Noopur Srivastava
Dept. of Pharmacology
The Oxford College of Pharmacy


Principal

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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COURSE ON AI IN PHARMACY: ENHANCING STUDENT LEARNING

(Course Code: AIP 2023-24)

Notice

Date: 28-12-2023

To

Notice Board

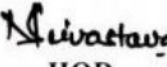
To be read in the classrooms

Course Coordinator -Dr. A.Muthukumar

The Oxford College of Pharmacy, Bangalore, is excited to offer a 30-hour course on **AI in Pharmacy: Enhancing Student Learning** for the academic year 2023-24. This course, which is unique in its focus on AI in the pharmaceutical field, is offered at no cost and does not offer academic credit. The classes for the course will start from 3rd Jan 2024 and will be conducted after the college hours on Wednesday and Saturday. The eligibility criteria include students pursuing PG courses. Interested students can enroll with Dr. A.Muthukumar, course coordinator, on or before 1st Jan 2024.


Course Coordinator

Dr. A. Muthukumar


HOD

Dr Noopur Srivastava


PRINCIPAL

Dr Padmaa M Paarakh



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Organizing Committee

Chairperson

Dr. Padmaa M Paarakh,
Principal,
TOCP, Bangalore.

Organizing Secretary

Dr. Noopur Srivastava,
Head, Department of Pharmacology
TOCP, Bangalore.

Program Coordinators

Dr. A.Muthukumar,
Mrs. Keserla Bhavani
Department of Pharmacology
TOCP, Bangalore.

For Further Information Contact

Dr. A.Muthukumar, (9976696000)

Department of Pharmacology,

TOCP, Bangalore

Email:

drmkpharmacologist@gmail.com

THE OXFORD COLLEGE OF PHARMACY

The Oxford College of Pharmacy (TOCP) was established in 1992. TOCP under the aegis of Children's Education Society (R) offers D Pharm, B. Pharm, M. Pharm, Pharm. D, and Pharm. D (Post Baccalaureate) programs. TOCP is recognized by the Government of Karnataka, affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, and Drug Control Board, Karnataka respectively, and Pharmacy Council of India, New Delhi. TOCP has excellent infrastructure in terms of sophisticated instruments, laboratories, lecture halls, etc.

ELIGIBILITY CRITERIA

Students Pursuing Master of Pharmacy

**Course
On**

AI IN PHARMACY: ENHANCING STUDENT LEARNING



Organized by
Department of Pharmacology, TOCP

Duration: 30 hours

Late date for Registration:-01/01/2024

Date of commencement:03/01/2024

Date of examination: After completion of
30 hours of classes.



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COURSE ON AI IN PHARMACY: ENHANCING STUDENT LEARNING

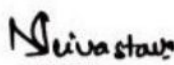
(Course Code: AIP 2023-24)

SYLLABUS

MODULE	TOPICS
MODULE - I	Introduction to AI in Pharmacy
	History of AI in Pharmacy
	Applications of AI in Drug Discovery
	AI in Pharmacokinetics
	AI in Pharmacodynamics
	AI in Pharmaceutical Formulation
	AI in Clinical Trials
	AI in Pharmacovigilance
	AI in Personalized Medicine
	AI in Drug Interaction Analysis
	AI in Disease Diagnosis
	AI in Pharmacy Automation
	AI in Medication Adherence
	AI in Patient Counseling
AI in Drug Pricing and Reimbursement	
MODULE - II	AI in Regulatory Compliance
	Ethical Considerations in AI in Pharmacy
	Future Trends in AI in Pharmacy
	AI-based Precision Medicine
	AI in Genomic Medicine
	AI in Nanomedicine
	AI in Antibiotic Stewardship
	AI in Herbal Medicine
	AI in Over-the-Counter Products
	AI in Telepharmacy
	AI in Pharmacy Inventory Management
	AI in Patient Data Privacy and Security
	AI in Medication Error Prevention
	AI in Pharmaceutical Marketing
AI in Pharmacy Education and Training	


Course Coordinator

Dr. A. Muthukumar


HOD

Dr Noopur Srivastava


PRINCIPAL

Dr Padmaa M Paarakh



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Accredited by NAAC and International Accreditation Organization (IAO)

COURSE ON PHARMACOGENOMICS AND GENOMICS DATA ANALYSIS

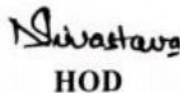
(Course Code: AIP 2023-24)

SESSION PLAN

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1	3/01/24	Wednesday	4:00-5:00	Inauguration and Module-1	Dr. Padmaa M. Paarakh Dr. Noopur Srivatava
2	6/01/24	Saturday	2:00-3:00	Module-1	Mrs. Keserla Bhavani
3	10/01/24	Wednesday	4:00-5:00	Module-1	Mrs. Keserla Bhavani
4	13/01/24	Saturday	2:00-3:00	Module-1	Mrs. Keserla Bhavani
5	17/01/24	Wednesday	4:00-5:00	Module-1	Mrs. Keserla Bhavani
6	20/01/24	Saturday	2:00-3:00	Module-1	Mrs. Keserla Bhavani
7	24/01/24	Wednesday	4:00-5:00	Module-1	Mrs. Keserla Bhavani
8	27/01/24	Saturday	2:00-3:00	Module-1	Mrs. Keserla Bhavani
9	31/01/24	Wednesday	4:00-5:00	Module-1	Mrs. Keserla Bhavani
10	3/02/24	Saturday	2:00-3:00	Module-1	Mrs. Keserla Bhavani
11	7/02/24	Wednesday	4:00-5:00	Module-1	Mrs. Keserla Bhavani
12	10/02/24	Saturday	2:00-3:00	Module-1	Mrs. Keserla Bhavani
13	14/02/24	Wednesday	4:00-5:00	Module-1	Mrs. Keserla Bhavani
14	17/02/24	Wednesday	4:00-5:00	Module-1	Mrs. Keserla Bhavani
15	21/02/24	Saturday	2:00-3:00	Module-1	Mrs. Keserla Bhavani
16	24/02/24	Wednesday	4:00-5:00	Module-2	Dr. A. Muthukumar
17	28/02/24	Saturday	2:00-3:00	Module-2	Dr. A. Muthukumar
18	2/03/24	Wednesday	4:00-5:00	Module-2	Dr. A. Muthukumar
19	6/03/24	Saturday	2:00-3:00	Module-2	Dr. A. Muthukumar
20	9/03/24	Wednesday	4:00-5:00	Module-2	Dr. A. Muthukumar
21	13/03/24	Saturday	2:00-3:00	Module-2	Dr. A. Muthukumar
22	16/03/24	Wednesday	4:00-5:00	Module-2	Dr. A. Muthukumar
23	23/03/24	Saturday	2:00-3:00	Module-2	Dr. A. Muthukumar
24	27/03/24	Wednesday	4:00-5:00	Module-2	Dr. A. Muthukumar
25	30/03/24	Saturday	2:00-3:00	Module-2	Dr. A. Muthukumar
26	3/04/24	Wednesday	4:00-5:00	Module-2	Dr. A. Muthukumar
27	6/04/24	Saturday	2:00-3:00	Module-2	Dr. A. Muthukumar
28	10/04/24	Wednesday	4:00-5:00	Module-2	Dr. A. Muthukumar
29	13/04/24	Saturday	2:00-3:00	Module-2	Dr. A. Muthukumar
30	17/04/24	Wednesday	4:00-5:00	Module-2	Dr. A. Muthukumar
31	20/04/24	Saturday	2:00-3:00	Valedictory	Dr. Noopur Srivatava


Course Coordinator

Dr A. Muthukumar


HOD

Dr Noopur Srivatava


PRINCIPAL

Dr Padmaa M Paarakh



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COURSE ON AI IN PHARMACY: ENHANCING STUDENT LEARNING

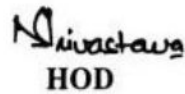
(Course Code: AIP 2023-24)

List of students

S.N	Name of the student	Signature
1	Amit Singh	A
2	Badepalli Reddaiah Reddy	Reddy
3	Benguluri Ramesh Tejaswini	Tejaswini
4	Harsha K M	Harsha
5	Jawahar Maniya Rasan S	Jawahar
6	Manoj	Manoj
7	Mohammad Amin Yatoo	Yatoo
8	Mulla Uzma Riyaz	Riyaz
9	Nallagatla Sunanda	Sunanda
10	R Navyasree	Navyasree
11	Ranjitha Ramesh Shetty	Ranjitha
12	Sneha M	Sneha
13	Sonali Milan Nalawade	Sonali
14	Swetha Yoganandan	Swetha
15	Vijay Kumar R	Vijay


Course Co-coordinators

Dr. A. Muthukumar


HOD

Dr. Noopur Srivastava


Principal

Dr. Padmaa M Parakh





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COURSE ON AI IN PHARMACY: ENHANCING STUDENT LEARNING

(Course Code: AIP 2023-24)

Completion Report

The Department of Pharmacology, The Oxford College of Pharmacy, Bangalore, conducted a course on AI in Pharmacy: Enhancing Student Learning (Course Code: AIP 2023-24) for the academic year 2023-24. The course was intended to impart knowledge about the basic principles and techniques related to AI in Pharmacy.

The course started with an inaugural function that welcomed the principal, Dr Padmaa M. Paarakh. The function was conducted in Room NO-507, and Course Coordinator Dr Muthukumar A. and Mrs Keserla Bhavani introduced all the participants. A total of 15 M.Pharm students were present. Our principal emphasized the importance of doing such courses to improve their future. The inaugural function was summed up with Mrs Keserla Bhavani's introductory lecture.

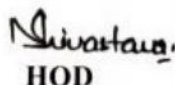
A total of 30 hours of courses were conducted after college hours on Wednesday and Saturday. A total of 15 PG students were enrolled for this course. The course syllabus has been divided into two modules. After the completion of each module, an internal assessment was conducted, and an overall test was conducted after the completion of the course. The results of modules I & II were analyzed. Approximately 37.77 % of students scored grade A (marks percentage-95-100%) in all the tests, followed by 38.88 % of students who scored grade B (marks percentage-90-94%) and 23.35 % scored grade C (marks percentage-85-89%) and 0 % scored grade D (marks percentage-80-84 %). The performance of the students in the tests was found to be good. About ninety percent of the students had secured excellent grades on all the tests. Students showed keen interest in attending and learning the concepts, and their doubts were also clarified after the classes.

The valedictory function was conducted on 20/04/2024, and the Principal, Dr. Padmaa M. Paarakh, and the Head of the Department, Dr. Noopur Srivastava, distributed the course participation certificate to all 15 M.Pharm students. Dr. Noopur thanked the principal and management for providing the best infrastructure for such courses and promised to conduct such courses in the future on behalf of the department.

The guest of the valedictory function, Dr. Padmaa M Paarakh, Principal, TOCP, Bangalore, appreciated the students' enthusiasm for this course and congratulated the Department of Pharmacology and the course coordinator, Dr. Muthukumar A, on the successful completion of the course.


Course Coordinator

Dr A.Muthukumar A


HOD

Dr Noopur Srivastava


PRINCIPAL

Dr Padmaa M Paarakh



No.6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru -560 068

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e-mail: pharmacyprincipal@theoxford.edu; info@theoxford.edu;



COURSE ON AI IN PHARMACY: ENHANCING STUDENT LEARNING

(Course Code: AIP 2023-24)

Outcome Report

The Department of Pharmacology, The Oxford College of Pharmacy, Bangalore—560068, completed a course on AI in Pharmacy: Enhancing Student Learning (Course Code: AIP 2023-24). About 15 M.Pharm students registered, and the course was conducted for 30 hours. This course trains registrants to have essential information about the basic principles and techniques related to AI in Pharmacy.

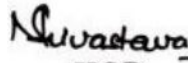
Outcomes: At the end of this course, students were able to,

- The course outcome is that students will better understand how artificial intelligence can be integrated into pharmacy education to enhance their learning experience.
- They will benefit from identifying specific AI tools and techniques tailored to improve their learning outcomes in pharmacy education.

The students were satisfied and were keen to attend such programs in the future.


Course Coordinator

Dr. A. Muthukumar


HOD

Dr Noopur Srivastava


PRINCIPAL

Dr Padmaa M Paarakh

Children's Education Society (Regd.)



THE OXFORD

COLLEGE OF PHARMACY

BENGALURU, INDIA

Certificate of Participation

This is to certify that

AMIT SINGH

for attending a Course on "AI IN PHARMACY: ENHANCING
STUDENT LEARNING" organized by Department of
Pharmacology, The Oxford College of Pharmacy, Bengaluru.

Nivastava

Organizing Secretary

P. Padma

Convenor

A. Ch

Programme Coordinator

Children's Education Society (Regd.)



THE OXFORD

COLLEGE OF PHARMACY

BENGALURU, INDIA

Certificate of Participation

This is to certify that

R. NAVYASREE

for attending a Course on "AI IN PHARMACY: ENHANCING STUDENT LEARNING" organized by Department of Pharmacology, The Oxford College of Pharmacy, Bengaluru.

N. Sivastava

Organizing Secretary

P. Padma

Convenor

A. S. S.

Programme Coordinator

Children's Education Society (Regd.)



THE OXFORD

COLLEGE OF PHARMACY

BENGALURU, INDIA

Certificate of Participation

This is to certify that

VIJAY KUMAR R

for attending a Course on "AI IN PHARMACY: ENHANCING
STUDENT LEARNING" organized by Department of
Pharmacology, The Oxford College of Pharmacy, Bengaluru.

Naravastava

Organizing Secretary

P. Padua

Convenor

A. Chy

Programme Coordinator

Children's Education Society (Regd.)



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Shivastava
Organizing Secretary

P. Padua
Convenor

A. Chy
Programme Coordinator



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COURSE ON QUANTUM MECHANICS IN MEDICINAL CHEMISTRY 2023-24 (Course Code: QMMC)

NOTICE

Date: 26-12-2023

To

Notice Board

To be read in the class rooms

Ms. G. Suvarna lakshmi, Course Coordinator

To be filed

The Oxford College of Pharmacy, Bangalore introduces 30 hours course on Quantum Mechanics In Medicinal Chemistry for the academic year 2023-24, for the benefit of III Pharm. D students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from 05th January 2024 and will be conducted every Friday and Saturday after the college hours. The III Pharm. D students are instructed to enroll their names with G. Suvarna Lakshmi, coordinator on or before 3rd January 2024.

CO-ORDINATOR

Mrs. G. Suvarna Lakshmi

HOD

Dr. Jyoti Shrivastava

PRINCIPAL

Dr. Padmaa M. Paarakh



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Organizing Committee

Chairman	Dr. Padmaa M Paarakh, Principal, TOCP, Bangalore.
HOD	Dr. Jyoti Shrivastava, Department of Pharmaceutical Chemistry, TOCP, Bangalore.
Program Coordinator	Mrs. G. Suvarna Lakshmi Department of Pharmaceutical Chemistry, TOCP, Bangalore.

THE OXFORD COLLEGE OF PHARMACY

The Oxford College of Pharmacy (TOCP) was established in 1992. TOCP under the aegis of Children's Education Society (R) offers D Pharm, B. Pharm, M. Pharm, Pharm. D, and Pharm. D (Post Baccalaureate) programs. TOCP is recognized by the Government of Karnataka, affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, and Drug Control Board, Karnataka respectively, Pharmacy Council of India, New Delhi and NAAC. TOCP has excellent infrastructure in terms of sophisticated instruments, laboratories, lecture halls, etc.

ELIGIBILITY CRITERIA

Students of Pharm. D

COURSE

On

“QUANTUM MECHANICS IN MEDICINAL CHEMISTRY”



Organized by

THE OXFORD COLLEGE OF PHARMACY

Department of Pharmaceutical Chemistry,
1st Main Rd, Hongasandra, Bengaluru,
Karnataka 560068

Important Dates

Duration: 30 hours

Last date for registration: 03rd January
2024

Date of commencement: 05th January 2024

Planned Examination : After completion of
30 hours classes

For Further Information Contact

Ms. G. Suvarna Lakshmi

Assistant Professor

Department of Pharmaceutical
Chemistry

TOCP, Bangalore

Email:

suvarnapharmacy2023@gmail.com

REGISTRATION

Registration Fees	NIL It is a free course offered by The Oxford College of Pharmacy Bangalore-68
Contact person for registration	Ms. G. Suvarnalakshmi 9902051815

STRUCTURE

- Course will be conducted for total 30 hours.
- Every Friday & Saturday after the college hours.

COURSE DESCRIPTION

The Department of Pharmaceutical Chemistry, TOCP, Bangalore- 560068 introduces a 30 hours course on "QUANTUM MECHANICS IN MEDICINAL CHEMISTRY" (Course Code: QMMC 2023-24). This course offers the basic knowledge about the therapeutic nutrition and knowledge of nutrients & their functions.

OBJECTIVES OF PROGRAM

- This course will help the students to understand the fundamental concepts of quantum mechanics such as quantum waves & states, and their relevance to the chemical systems.
- The course provides to explore the quantum mechanics in reaction mechanism, drug development in at quantum level and reaction kinetics.
- This course will help how to use quantum mechanics to explain drug-receptor interactions, molecular docking, and how electronic structure influences the binding affinities of drug candidates.

FINAL ASSESSMENT

Final exams will be conducted at the end of the syllabus.

DURATION 30 hours

OUTCOME

- This course provides information how to apply quantum mechanical principles to predict molecular structures, drug-receptor interactions, and chemical reactivity, enhancing their capabilities in rational drug design and discovery.
- Students will acquire skills in model molecular behaviour and simulate biological interactions, which are crucial for medicinal chemistry research.
- Participants will achieve a deeper understanding of how quantum effects influence biological processes and reaction mechanisms.

REGISTRATION PROCESS

Contact Course Co-Ordinator for registration.

REGISTRATION

Registration Fees	NIL It is a free course offered by The Oxford College of Pharmacy Bangalore-68
Contact person for registration	Ms. G. Suvarnalakshmi 9902051815

STRUCTURE

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- Every Friday & Saturday after the college hours.

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COURSE ON QUANTUM MECHANICS IN MEDICINAL CHEMISTRY 2023-24 (Course Code: QMMC)

Registration list

S.NO	NAME OF THE STUDENT	SIGNATURE
1	Varsha M	
2	Abhirami P Pillai	
3	Afrah fathima	
4	Aijinghun umsong	
5	Akshaya s	
6	Amit kumar jena	
7	Arushi Nair	
8	Bhavana M Reddy	
9	Harshitha G S	
10	Hashuba N	
11	Heena K	
12	Keerthi Reddy M	
13	Kiruba Evanjaline M	
14	Mohammed Shadaab	
15	Monish T	
16	Rahib S	
17	Rakshitha K C	
18	Sri Nilash Kumar	
19	Uttara S	
20	Vedha Shree K S	
21	Vency V	
22	Vishwateja B	
23	Swarupam Sarkar	
24	Sourashish Baidya	

Course Coordinator

Mrs G. Suvarna Lakshmi

HOD

Dr. Jyoti Shrivastava

PRINCIPAL

Dr. Padmaa M. Paarakh



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COURSE ON QUANTUM MECHANICS IN MEDICINAL CHEMISTRY 2023-24
(Course Code: QMMC)

SYLLABUS

S. No	Module	Topic
I	Introduction	Introduction to the program
II	Module I	Fundamentals of Quantum Mechanics in Medicinal Chemistry Principles of quantum mechanics Schrodinger equation and its solutions for simple systems Quantum mechanical models of atoms and molecules Molecular orbitals, bonding, and electronic structure Approximation Methods in Quantum Mechanics Molecular Orbital theory Symmetry and Group Theory in Quantum Mechanics
III	Module II	Quantum Computational Methods in Drug Design Introduction to Quantum Computational Chemistry Density Functional Theory (DFT) in Drug Design Molecular Docking and Quantum Mechanics Quantum Mechanics in Pharmacophore Modeling Predicting ADMET Properties Using Quantum Chemistry Transition State Search and Reaction Mechanisms Quantum-Based Simulation of Enzyme-Substrate Interactions
IV	Module III	Quantum Effects in Biological Systems and Medicinal Chemistry Quantum Tunneling in Enzymatic Reactions Quantum Mechanics and Drug Binding Electron Transfer in Biological Systems Quantum Spin and Drug Interactions Quantum Mechanics in Protein Folding Quantum Principles in Cellular Communication


CO-ORDINATORS

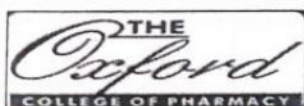
Mrs. G. Suvarna Lakshmi


HOD

Dr. Jyoti Shrivastava


PRINCIPAL

Dr. Padma M. Paarakh



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COURSE ON QUANTUM MECHANICS IN MEDICINAL CHEMISTRY 2023-24

(Course Code: QMMC)

SESSION PLAN

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1	05-01-2024	FRIDAY	4.00 PM -5.00 PM	INAUGURATION	Dr. Padmaa. M. Paarakh Dr. Jyoti Srivasthava
2	06-01-2024	SATURDAY	2.00 PM -3.00 PM	Module I	Mrs. G. Suvarna Lakshmi
3.	06-01-2024	SATURDAY	3.00 PM -4.00 PM	Module I	Mrs. G. Suvarna Lakshmi
4.	12-01-2024	FRIDAY	4.00 PM -5.00 PM	Module I	Mrs. G. Suvarna Lakshmi
5.	19-01-2024	FRIDAY	4.00 PM -5.00 PM	Module I	Mrs. G. Suvarna Lakshmi
6.	20-01-2024	SATURDAY	2.00 PM -3.00 PM	Module I	Mrs. G. Suvarna Lakshmi
7.	20-01-2024	SATURDAY	3.00 PM -4.00 PM	Module I	Mrs. G. Suvarna Lakshmi
8.	27-01-2024	SATURDAY	2.00 PM -3.00 PM	Module I	Mrs. G. Suvarna Lakshmi
9.	27-01-2024	SATURDAY	3.00 PM -4.00 PM	Module I	Mrs. G. Suvarna Lakshmi
10.	02-02-2024	FRIDAY	4.00 PM -5.00 PM	Module I	Mrs. G. Suvarna Lakshmi
11.	03-02-2024	SATURDAY	2.00 PM -3.00 PM	Module I	Mrs. G. Suvarna Lakshmi
12.	03-02-2024	SATURDAY	3.00 PM -4.00 PM	Module II	Mrs. G. Suvarna Lakshmi
13.	09-02-2024	FRIDAY	4.00 PM -5.00 PM	Module II	Mrs. G. Suvarna Lakshmi
14.	10-02-2024	SATURDAY	2.00 PM -3.00 PM	Module II	Mrs. G. Suvarna Lakshmi
15.	10-02-2024	SATURDAY	3.00 PM -4.00 PM	Module II	Mrs. G. Suvarna Lakshmi
16.	16-02-2024	FRIDAY	4.00 PM -5.00 PM	Module II	Mrs. G. Suvarna Lakshmi
17.	17-02-2024	SATURDAY	2.00 PM -3.00 PM	Module II	Mrs. G. Suvarna Lakshmi
18.	17-02-2024	SATURDAY	3.00 PM -4.00 PM	Module II	Mrs. G. Suvarna Lakshmi
19.	01-03-2024	FRIDAY	4.00 PM -5.00 PM	Module II	Mrs. G. Suvarna Lakshmi
20.	02-03-2024	SATURDAY	2.00 PM -3.00 PM	Module II	Mrs. G. Suvarna Lakshmi
21.	02-03-2024	SATURDAY	3.00 PM -4.00 PM	Module III	Mr. Pradeep H K
22.	02-03-2024	SATURDAY	4.00 PM -5.00 PM	Module III	Mrs. G. Suvarna Lakshmi



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23.	09-03-2024	SATURDAY	2.00 PM -3.00 PM	Module III	Mrs. G. Suvarna Lakshmi
24.	09-03-2024	SATURDAY	3.00 PM -4.00 PM	Module III	Mrs. G. Suvarna Lakshmi
25.	15-03-2024	FRIDAY	4.00 PM -5.00 PM	Module III	Mrs. G. Suvarna Lakshmi
26.	16-03-2024	SATURDAY	2.00 PM -3.00 PM	Module III	Mrs. G. Suvarna Lakshmi
27.	16-03-2024	SATURDAY	3.00 PM -4.00 PM	Module III	Mrs. G. Suvarna Lakshmi
28.	22-03-2024	FRIDAY	4.00 PM -5.00 PM	Module III	Mrs. G. Suvarna Lakshmi
29.	23-03-2024	SATURDAY	2.00 PM -3.00 PM	Module III	Mrs. G. Suvarna Lakshmi
30.	23-03-2024	SATURDAY	3.00 PM -4.00 PM	Module III	Mrs. G. Suvarna Lakshmi
31.	30-03-2024	SATURDAY	2.00 PM -3.00 PM	Module III	Mrs. G. Suvarna Lakshmi
32.	30-03-2024	SATURDAY	3.00 PM -4.00 PM	VALEDICTORY	Dr. Padmaa. M. Paarakh Dr. Jyoti Shrivasthava

COORDINATOR

Mrs. G. Suvarna Lakshmi

HOD

Dr. Jyoti Shrivastava

PRINCIPAL

Dr. Padmaa M. Paarakh



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COURSE ON QUANTUM MECHANICS IN MEDICINAL CHEMISTRY 2023-24
(Course Code: QMMC)

COURSE OUTCOME REPORT

The Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru-560068, completed a Quantum Mechanics in Medicinal Chemistry 2023-24 (Course Code: QMMC). 24 students had registered for the course which was conducted for 30 hours. The outcome of the course was to understand the fundamental concepts of quantum mechanics such as quantum waves & quantum states and their relevance to the chemical systems.

Course Outcome:

At the end of this course students were able to

- Understand the quantum mechanics in reaction mechanisms, drug development in at quantum level and reaction kinetics.
- Understand the use of quantum mechanics to explain drug-receptor interactions, molecular docking, and how electronic structure influences the binding affinities of drug candidates.
- To promote interdisciplinary thinking by linking quantum mechanics, organic chemistry, and pharmacology for a holistic understanding of molecular-level phenomena in medicinal chemistry.

The students were satisfied and were keen to attend such programs in future.


CO-ORDINATOR

Mrs. G. Suvarna Lakshmi


HOD

Dr. Jyoti Shrivastava


PRINCIPAL

Dr. Padmaa M. Paarakh





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COURSE ON QUANTUM MECHANICS IN MEDICINAL CHEMISTRY 2023-24 (Course Code: QMMC)

COURSE COMPLETION REPORT

The Department of Pharmaceutical Chemistry, The Oxford college of Pharmacy, Bangalore, conducted a course on 'Quantum Mechanics In Medicinal Chemistry' (Course Code: QMMC) for the academic year 2023-24. This course helps the students to understand the fundamental concepts of quantum mechanics such as quantum waves & quantum states, and their relevance to the chemical systems. The course explores the quantum mechanics in reaction mechanism, drug development in at quantum level and reaction kinetics.

The course commenced with an inaugural function, beginning with a welcome address by the Principal, Dr. Padmaa M. Paarakh. The event was held in Room No. 505, and all participants were greeted by Mrs. G. Suvarna Lakshmi, the Course Coordinator. Twenty-four students attended the session. Our Principal emphasized the importance of such courses, both in academics and for future career prospects. The inaugural function concluded with an introductory lecture by Dr. Jyoti Shrivastava, Head of the Department of Pharmaceutical Chemistry.

The course comprised a total of 30 hours, with each session lasting two hours, conducted after regular college hours. The syllabus was divided into three modules. Upon the completion of each module, an internal assessment was conducted, followed by a comprehensive test at the end of the course.

After each module, students were evaluated through a set of questionnaires. The results from the assessments for all four modules indicated that approximately 55.8% of students achieved Grade A in all the tests, followed by 31.5% who earned Grade B, 10.2% who scored Grade C, and 2.5% who received Grade D.

The students' performance in the tests was outstanding, with about fifty percent securing excellent grades across all evaluations. The students displayed keen interest in attending and actively engaging with the interactive sessions conducted throughout the course.

The valedictory function was conducted at the end, and the enrolled students were awarded their course completion certificates by the Principal. Dr. Jyoti Shrivastava praised the students' enthusiasm throughout the course and also thanked the Course Coordinator, Mrs. G. Suvarna Lakshmi, for



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organizing it. She expressed gratitude to our Chairman, Dr. Narasimha Raju Garu, for providing excellent infrastructure to support such programs. On behalf of the department, Dr. Jyoti Shrivastava also promised to conduct similar courses in the future.

CO-ORDINATORS

Dr. Jyoti Shrivastava

PRINCIPAL

Dr. Padmaa M. Paarakh



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COURSE ON QUANTUM MECHANICS IN MEDICINAL CHEMISTRY 2023-24
(Course Code: QMMC)
Attendance Statement

S. No	Name of the student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Date of the Class	05/01	06/01	06/01	12/01	19/01	20/01	20/01	27/01	27/01	02/02	03/02	09/02	10/02	10/02	16/02
1	Varsha M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	Abhirami P Pillai	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	Afrah fathima	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	Aijinghun umsong	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	Akshaya s	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	Amit kumar jena	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	Arushi Nair	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	Bhavana M Reddy	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	Harshitha G S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	Hashuba N	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	Heena K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	Keerthi Reddy M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	Kiruba Evanjalim M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
14	Mohammed Shadaah	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	Monish T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16	Rahib S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17	Rakshitha K C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
18	Sri Nilash Kumar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
19	Uttara S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
20	Vedha Shree K S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
21	Vency V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22	Vishwatheja B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
23	Swarupam Sarkar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24	Sourashish Baidya	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SIGNATURE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓





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COURSE ON QUANTUM MECHANICS IN MEDICINAL CHEMISTRY 2023-24
(Course Code: QMMC)
Attendance Statement

S. No	Name of the student	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	Date of the Class	7/02	17/02	01/03	02/03	02/03	02/03	09/03	09/03	15/03	16/03	22/03	23/03	23/03	30/03	30/03
1	Varsha M	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP
2	Abhirami P Pillai	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
3	Afrah fathima	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
4	Aijinghun umsong	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS
5	Akshaya s	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS
6	Amit kumar jena	Am	Am	Am	Am	Am	Am	Am	Am	Am	Am	Am	Am	Am	Am	Am
7	Arushi Nair	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN
8	Bhavana M Reddy	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
9	Harshitha G S	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
10	Hashuba N	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
11	Heena K	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
12	Keerthi Reddy M	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
13	Kiruba Evanjalim M	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
14	Mohammed Shadaab	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
15	Monish T	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
16	Rahib S	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
17	Rakshitha K C	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
18	Sri Nilash Kumar	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
19	Uttara S	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
20	Vedha Shree K S	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
21	Vency V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
22	Vishwatheja B	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
23	Swarupam Sarkar	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
24	Sourashish Baidya	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
	SIGNATURE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S





Children's Education Society (Regd.)



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that *Mr./Ms. Sourashish Baidya* of *III Pharm-D* year has undergone an course on "Quantum Mechanics in Medicinal Chemistry" held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

G. Suresh
COURSE COORDINATOR

Jyoti Shrivastava
HOD

Padma M Paarakh
PRINCIPAL

Mrs. G. SUVARNA LAKSHMI
Dept of Pharmaceutical Chemistry
The Oxford College of Pharmacy

Dr. JYOTI SHRIVASTAVA
Dept of Pharmaceutical Chemistry
The Oxford College of Pharmacy

Dr. PADMAA M PAARAKH
Principal
The Oxford College of Pharmacy



Children's Education Society (Regd.)



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Vedha Shree K.S of III Pharm D year has undergone an course on "Quantum Mechanics in Medicinal Chemistry" held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR


HOD


PRINCIPAL

Mrs. G. SUVARNA LAKSHMI
Dept of Pharmaceutical Chemistry
The Oxford College of Pharmacy

Dr. JYOTI SHRIVASTAVA
Dept of Pharmaceutical Chemistry
The Oxford College of Pharmacy

Dr. PADMAA M PAARAKH
Principal
The Oxford College of Pharmacy



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THE OXFORD COLLEGE OF PHARMACY

69, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Monish .T of III Pharm.D year has undergone an course on "Quantum Mechanics in Medicinal Chemistry" held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR

Mrs. G. SUVARNA LAKSHMI
Dept of Pharmaceutical Chemistry
The Oxford College of Pharmacy


HOD

Dr. JYOTI SHRIVASTAVA
Dept of Pharmaceutical Chemistry
The Oxford College of Pharmacy


PRINCIPAL

Dr. PADMA M PAARAKH
Principal
The Oxford College of Pharmacy



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THE OXFORD COLLEGE OF PHARMACY

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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Akshaya S of III Pharm.D year has undergone an course on "Quantum Mechanics in Medicinal Chemistry" held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR

Mrs. G. SUVARNA LAKSHMI
Dept of Pharmaceutical Chemistry
The Oxford College of Pharmacy


HOD

Dr. JYOTI SHRIVASTAVA
Dept of Pharmaceutical Chemistry
The Oxford College of Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
Principal
The Oxford College of Pharmacy



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THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Harshitha G.S of III. Pharm.D year has undergone an course on "Quantum Mechanics in Medicinal Chemistry" held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE COORDINATOR


HOD


PRINCIPAL

Mrs. G. SUVARNA LAKSHMI
Dept of Pharmaceutical Chemistry
The Oxford College of Pharmacy

Dr. JYOTI SHRIVASTAVA
Dept of Pharmaceutical Chemistry
The Oxford College of Pharmacy

Dr. PADMAA M PAARAKH
Principal
The Oxford College of Pharmacy



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Approved by Pharmacy Council of India, New Delhi)

COURSE ON CHEMICAL HAZARDS AND THEIR CONTROL

(COURSE CODE: CHC 2023-24)

NOTICE

Date: 20-12-2023

To

Notice Board

To be read in the class rooms

Course Coordinator-Mr. Akshay C,

To be filed

The Oxford College of Pharmacy, Bengaluru introduces 30 hours course on chemical hazards and their control for the academic year 2023-24, for the benefit of B. Pharm students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from 5th Jan 2024. The class will be conducted every Friday and Saturday after the college hours. The eligibility criteria include students pursuing Pharmacy degree, that is B pharm. The V B Pharm students are instructed to enroll their name with Mr. Akshay C, course co-ordinator on or before 1st Jan 2024.

CO-ORDINATOR

Mr. Akshay C

HOD

Dr Jyoti Shrivastava

PRINCIPAL

Dr Padmaa M Paarakh



No.6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru -560 068
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e-mail: pharmacyprincipal@theoxford.edu; info@theoxford.edu;

Organizing Committee

Chairman	Dr. Padmaa M Paarakh, Principal, TOCP, Bengaluru.
HOD	Dr Jyoti Shrivastava Department of Pharmaceutical Chemistry TOCP, Bengaluru.
Program Coordinator	Mr. Akshay C Department of Pharmaceutical Chemistry TOCP, Bengaluru.

For Further Information Contact

Mr. Akshay C
Assistant Professor
Department of Pharmaceutical
Chemistry
TOCP, Bengaluru
Email: akshaybkn88@gmail.com

THE OXFORD COLLEGE OF PHARMACY

The Oxford College of Pharmacy (TOCP) was established in 1992. TOCP under the aegis of Children's Education Society (R) offers D. Pharm B. Pharm, M Pharm, Pharm D and Pharm D (Post Baccalaureate) programs. TOCP is recognized by the Government of Karnataka, affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, and Drug Control Board, Karnataka respectively, and Pharmacy Council of India, New Delhi. TOCP has excellent infrastructure in terms of sophisticated instruments, laboratories, lecture halls, etc.

ELIGIBILITY CRITERIA

Students Pursuing Pharmacy Degree
i.e., V Sem Bpharm

Course

on

**“CHEMICAL HAZARDS AND
THEIR CONTROL”**



Organized by

**THE OXFORD COLLEGE OF
PHARMACY**

Department of Pharmaceutical Chemistry,
1st Main Rd, Hongasandra, Bengaluru,
Karnataka 560068

Duration: 30 hours

Late date for Registration:-1/1/2024

Date of commencement:5/1/2024

**Date of examination: After completion
of 30hours classes**

REGISTRATION

Registration Fees	NIL It is a free course offered by The Oxford College of Pharmacy Bengaluru-68
Contact person for registration	Mr Akshay C 7025784594

STRUCTURE

- Course will be conducted for total 30 hours after the college hours.
- Course will be conducted every Friday and Saturday. .

COURSE DESCRIPTION

The Department of Pharmaceutical Chemistry, TOCP , Bangalore introduces a thirty hours course on **CHEMICAL HAZARDS THEIR CONTROL** (Course Code: CHC 2023-24). This course offers the basic knowledge about chemical hazard and their control.

OBJECTIVES OF PROGRAM

- The course provides the knowledge on various types of chemical hazards, including physical, health, and environmental risks.
- Analyze chemical exposure scenarios to evaluate risks and determine necessary precautions..
- This certificate course will help the students comprehensive emergency response strategies for incidents involving hazardous chemicals, including spill response and evacuation procedures

FINAL ASSESSMENT

Final exams will be conducted at the end of the syllabus .

DURATION

- Thirty hours.

OUTCOME

- Recognize different types of chemical hazards include physical, health and environmental.
- Evaluate potential health impacts and safety concerns from chemical exposure.
- Recommend safety protocols to minimize risks associated with chemical use
- Create plans for chemical spills and exposures, including first aid procedures

REGISTRATION PROCESS

- Contact your course coordinators and register.



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The Oxford College of Pharmacy

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COURSE ON CHEMICAL HAZARDS AND THEIR CONTROL

(Course Code: CHC 2023-24)

List of Students

S.No	Student Name	Signature
1	Owais Nazeer	
2	Prince Kushwaha	
3	Rajanya Adhikary	
4	Ramaswamy Satheesh	
5	Ramya S	
6	Ranjith Kumar P	
7	Rishika H Menon	
8	S Vidhya sree	
9	Sachin G	
10	Sahala K	
11	Sai Sravan P	
12	Sakshi Yogesh Korganokar	
13	Sangeetha R	
14	Shetty Meghana Dinkar	
15	Shilpa N	
16	Shilpa S	
17	Siddhanagouda G Hallur	
18	Sindhu S	
19	Sonali H B	
20	Sourab Choudari A	
21	Sushma V	
22	Swathi S	
23	Tejas Chittappa C T	
24	Tejaswini V	
25	Tharun B V	
26	Udhaya Kumar M	
27	Vasundharadevi A	
28	Vinayak Baral	
29	Yashaswini.s	
30	Yashaswini S M	

CO-ORDINATOR

Mr. Akshay C

HOD

Dr Jyoti Shrivastava

PRINCIPAL

Dr Padmaa M Paarakh



No.6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru -560 068

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COURSE ON CHEMICAL HAZARDS AND THEIR CONTROL

(Course Code: CHC 2023-24)

SESSION PLAN

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1	5-1-24	FRIDAY	4:30-6:30 PM	INAUGURATION AND MODULE I	Akshay C
2	6-1-24	SATURDAY	2:00-3:00 PM	MODULE I	Akshay C
3	12-1-24	FRIDAY	4:30-5:30 PM	MODULE I	Akshay C
4	19-1-24	FRIDAY	4:30-5:30 PM	MODULE I	Akshay C
5	20-1-24	SATURDAY	4:30-5:30 PM	MODULE I	Akshay C
6	27-1-24	SATURDAY	2:00-3:00 PM	MODULE I	Akshay C
7	2-2-24	FRIDAY	4:30-5:30 PM	MODULE I	Akshay C
8	3-2-24	SATURDAY	2:00-3:00 PM	MODULE I	Akshay C
9	9-2-24	FRIDAY	4:30-5:30 PM	MODULE I	Akshay C
10	10-2-24	SATURDAY	2:00-3:00 PM	MODULE I	Akshay C
11	16-2-24	FRIDAY	4:30-5:30 PM	MODULE II	Akshay C
12	17-2-24	SATURDAY	2:00-3:00 PM	MODULE II	Akshay C
13	23-2-24	FRIDAY	4:30-5:30 PM	MODULE II	Akshay C
14	24-2-24	SATURDAY	2:00-3:00 PM	MODULE II	Akshay C
15	1-3-24	FRIDAY	4:30-5:30 PM	MODULE II	Akshay C
16	2-3-24	SATURDAY	2:00-3:00 PM	MODULE II	Akshay C
17	2-3-24	SATURDAY	3:00-4:00 PM	MODULE II	Akshay C
18	9-3-24	SATURDAY	2:00-3:00 PM	MODULE II	Akshay C
19	9-3-24	SATURDAY	3:00-4:00 PM	MODULE II	Akshay C
20	15-3-24	FRIDAY	4:30-5:30 PM	MODULE II	Akshay C



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Approved by Pharmacy Council of India, New Delhi)

21	16-3-24	SATURDAY	2:00-3:00 PM	MODULE III	Akshay C
22	16-3-24	SATURDAY	3:00-4:00 PM	MODULE III	Akshay C
23	30-3-24	SATURDAY	2:00-3:00 PM	MODULE III	Akshay C
24	30-3-24	SATURDAY	3:00-4:00 PM	MODULE III	Akshay C
25	5-4-24	FRIDAY	4:30-5:30 PM	MODULE III	Akshay C
26	6-4-24	SATURDAY	2:00-3:00 PM	MODULE III	Akshay C
27	12-4-24	FRIDAY	4:30-5:30 PM	MODULE III	Akshay C
28	13-4-24	SATURDAY	2:00-3:00 PM	MODULE III	Akshay C
29	13-4-24	SATURDAY	3:00-4:00 PM	MODULE III	Akshay C
30	19-4-24	FRIDAY	4:30-5:30 PM	MODULE III	Akshay C
31	20-4-24	SATURDAY	2:00-3:00 PM	Valedictory	Valedictory

CO-ORDINATOR

Akshay C

HOD

Dr Jyoti shrivastava

P. Padma
PRINCIPAL

Dr Padmaa M. Paarakh



No.6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru - 560 068
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COURSE ON CHEMICAL HAZARDS AND THEIR CONTROL

(Course Code: CHC 2023-24)

SYLLABUS

SI No	MODULE	TOPIC
I	Module I	Introduction to Chemical Hazards
		Types of hazards: physical, health, and environmental
		Chemical Properties and Toxicology
		Understanding chemical properties: volatility, flammability, reactivity
		Regulatory Frameworks
		Overview of OSHA, EPA, and international regulations
		Understanding Material Safety Data Sheets
		Hazard Identification Techniques
		Techniques for identifying hazards in workplaces and laboratories
Principles of effective risk communication		
II	Module II	Control Measures
		Designing safe workspaces and processes
		Importance of policies, procedures, and training
		Developing Standard Operating Procedures
		Personal Protective Equipment
		Types of PPE and their applications
		Proper use and maintenance of PPE
III	Module III	Hazardous Waste Management
		Regulations governing hazardous waste
		Safe disposal methods and waste minimization strategies
		Laboratory Safety Practices
		Best practices for laboratory safety
		Fire and Explosion Hazards
		Understanding fire triangle and explosion risks
		Fire prevention and control measures
International Chemical Safety Standards		
Sustainable Chemical Management		

CO-ORDINATOR

Mr Akshay C

HOD

Dr Jyoti Shrivastava

PRINCIPAL

Dr Padma M Paarakh



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COURSE ON CHEMICAL HAZARDS AND THEIR CONTROL

(Course Code: CHC 2023-24)

OUTCOME REPORT

The Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru- 560068, had completed course in CHEMICAL HAZARDS AND THEIR CONTROL 2023-24 (Course Code: CHC 2023-24). 30 students were registered and the course was conducted for 30 hours. This course trained registrants to understanding Chemical Hazards. The course provided knowledge on chemical hazards, including physical, health, and environmental risks associated with different substance.

Outcomes : At the end of this course students were able to

- Recognize different types of chemical hazards include physical, health and environmental.
- Evaluate potential health impacts and safety concerns from chemical exposure.
- Recommend safety protocols to minimize risks associated with chemical use
- Create plans for chemical spills and exposures, including first aid procedures

The students were satisfied and were keen to attend such programs in future.

CO-ORDINATOR

Akshay C

HOD

Dr Jyothi Shrivastava

PRINCIPAL

Dr Padmaa M. Paarakh



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COURSE ON CHEMICAL HAZARDS AND THEIR CONTROL

(Course Code: CHC 2023-24)

Completion Report

The Department of Pharmaceutical Chemistry, The Oxford college of Pharmacy, Bangalore, conducted a course on Chemical hazard and their control (Course Code: CHC 2023-24) for the academic year 2023-24. The course was intended to impart knowledge to the students about the Chemical hazards to benefit them understanding the importance of controlling chemical hazard.

The course was started with a inaugural function by welcoming the Principal Dr. Padmaa M Paarakh. The function was conducted at seminar room. All the participants were introduced by Mrs Pradeepa Prasad, Assistant professor Department of Pharmaceutical chemistry. 30 students joined for the function. The inaugural function has been summed up with the introductory lecture of course coordinator Mr. Akshay C.

Total 30 hours course had been conducted after the college hours on Friday and Saturday. Total 30 students were enrolled for this course.

The syllabus of the course had been divided into three modules. After the completion of each modules an internal assessment was conducted and overall test was conducted. The results of module I, II, III were analysed. Approximately 60 % students scored grade A (marks percentage-95-100%) in all the tests followed by 20 % who scored grade B (marks percentage-90-94%) and 20% scored grade C (marks percentage-85-80 %) and 0% Scored D (marks percentage-80-84%). The performance of the students in the tests were found good. About eighty percentage of the students had secured excellent grades in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes.

The valedictory function has been conducted on 20-4-24 and the participation certificate were distributed to all 30 students by the Principal Dr. Padmaa M. Paarakh. Dr. Nagalakshmi, thanked Principal madam and management for providing best infrastructure for carrying out such courses. On behalf of department, she promised to carry out such courses in future also.

The guest of the valedictory function, Dr Padmaa M Paarakh, Principal, TOCP, Bengaluru had appreciated the enthusiasm of the students for this course and congratulate the Department of Pharmaceutical Chemistry and the course coordinator Mr Akshay C for successful completion of the course.

CO-ORDINATOR

Mr. Akshay C

HOD

Dr Jyoti Shrivastava

PRINCIPAL

Dr Padmaa M Paarakh



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THE OXFORD COLLEGE OF PHARMACY

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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Prince Kushwaha of B.Pharm IIIrd year has undergone an Add-on course Chemical hazards and their control held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

COURSE CO-ORDINATOR

HOD

PRINCIPAL

Mr AKSHAY C
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

Dr. JYOTI SHRIVASTAVA
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Rajanya Adhikary of B.pharm IIIrd year has undergone an Add-on course Chemical hazards and their control held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

COURSE CO-ORDINATOR

HOD

PRINCIPAL

Mr AKSHAY C
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

Dr. JYOTI SHRIVASTAVA
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Ramaswamy Satheesh of B.Pharm IVth year has undergone an Add-on course Chemical hazards and their control held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

COURSE CO-ORDINATOR

HOD

PRINCIPAL

Mr AKSHAY C
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

Dr. JYOTI SHRIVASTAVA
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Ramya S of B.pharm 1st year has undergone an Add-on course Chemical hazards and their control held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

COURSE CO-ORDINATOR

HOD

PRINCIPAL

Mr AKSHAY C
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

Dr. JYOTI SHRIVASTAVA
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Ranjith Kumar. of B.pharm Ist year has undergone an Add-on course Chemical hazards and their control held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE CO-ORDINATOR

Mr AKSHAY C
Dept of Pharma Chemistry
The Oxford College of
Pharmacy


HOD

Dr. JYOTI SHRIVASTAVA
Dept of Pharma Chemistry
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



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COURSE ON CHEMINFORMATICS AND MOLECULAR MODELING

(Course Code: CMM 2023-24)

NOTICE

Date: 04-07-2024

To

Notice Board

To be read in the class rooms

Course Coordinator- Dr. G. Nagalakshmi

To be filed

The Oxford College of Pharmacy, Bengaluru introduces 30 hours course on **Cheminformatics and Molecular Modeling** for the academic year 2023-24, for the benefit of B.Pharm students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from 11th July 2024 and will be conducted after the college hours on Thursday, Friday and Saturday. The eligibility criteria include students pursuing Pharmacy degree, that is B.Pharm students. Interested students can enroll with Dr. G. Nagalakshmi, course coordinator on or before 08th July 2024.

G. Nagalakshmi
Course Coordinator

Dr. G. Nagalakshmi

A.R. Mahesh
HOD

Dr. A.R. Mahesh

P. Padma
PRINCIPAL

Dr. Padmaa M. Paarakh



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Organizing Committee

Chairman	Dr. Padmaa M Paarakh, Principal, TOCP, Bengaluru.
HOD	Dr. A.R. Mahesh, Department of Pharmaceutical Chemistry, TOCP, Bengaluru.
Program Coordinator	Dr. G. Nagalakshmi Department of Pharmaceutical Chemistry, TOCP, Bengaluru.

For Further Information Contact

Dr. G.Nagalakshmi
Associate Professor
Department of Pharmaceutical
Chemistry
TOCP, Bengaluru.
Email:
nagalakshmipharma@gmail.com

THE OXFORD COLLEGE OF PHARMACY

The Oxford College of Pharmacy (TOCP) was established in 1992. TOCP under the aegis of Children's Education Society (R) offers D Pharm, B. Pharm, M. Pharm, Pharm. D, and Pharm. D (Post Baccalaureate) programs. TOCP is recognized by the Government of Karnataka, affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, and Drug Control Board, Karnataka respectively, Pharmacy Council of India, New Delhi. TOCP has excellent infrastructure in terms of sophisticated instruments, laboratories, lecture halls, etc.

ELIGIBILITY CRITERIA

Students Pursuing Pharmacy Degree
i.e., B.Pharm
Students from Second year B.Pharm

Course On "CHEMINFORMATICS AND MOLECULAR MODELING"



Organized by

THE OXFORD COLLEGE OF PHARMACY

Department of Pharmaceutical Chemistry,
1st Main Rd, Hongasandra, Bengaluru,
Karnataka 560068

Important Dates

Duration: 30 hours

Last date for registration: 08/07/2024

Date of commencement: 11/07/2024

Planned Examination : After completion
of 30 hours classes.

REGISTRATION

Registration Fees	NIL It is a free course offered by The Oxford College of Pharmacy Bengaluru-68
Contact person for registration	Dr. G.Nagalakshmi 8220611134

STRUCTURE

- Course will be conducted for total 30 hours after the college hours.
- Course will be conducted through Offline mode.
- Every Thursday, Friday & Saturday.

COURSE DESCRIPTION

The Department of Pharmaceutical Chemistry, TOCP, Bengaluru-560068 introduces a Thirty hours course on Cheminformatics and Molecular Modeling (Course Code: CMM 2023-24). This course offers the basic knowledge about the Cheminformatics applications.

OBJECTIVES OF PROGRAM

- This course will help the students in understanding the importance of primary and secondary structures of proteins with stereochemistry, retrieve chemical information from structural and visualization tools.
- The course is designed to provide comprehensive knowledge to make students familiar on existing databases and their application and give a clear view on algorithms which is involved in biomolecular networks.

FINAL ASSESSMENT

Final exams will be conducted at the end of the syllabus.

DURATION

Thirty hours

OUTCOME

- This course develop applications to solve biological problems by utilizing the cheminformatics algorithms and programming languages.
- Students will develop knowledge and skills to analyses and interpret biological data for research requirements.
- Students will develop good scientific communication skills.
- Students also get knowledge of the tools, frameworks, and libraries for cheminformatics applications.

REGISTRATION PROCESS

- Contact your course coordinators and register.



COURSE ON CHEMINFORMATICS AND MOLECULAR MODELING

(Course Code: CMM 2023-24)

SESSION PLAN

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1	11-07-2024	Thursday	4.30-5.30	Inauguration and Module-1	Dr. G. Nagalakshmi
2	12-07-2024	Friday	4.30-5.30	Module-1	Dr. G. Nagalakshmi
3	13-07-2024	Saturday	1.30-2.30	Module-1	Dr. G. Nagalakshmi
4	18-07-2024	Thursday	4.30-5.30	Module-1	Dr. G. Nagalakshmi
5	19-07-2024	Friday	4.30-5.30	Module-1	Dr. G. Nagalakshmi
6	20-07-2024	Saturday	1.30-2.30	Module-1	Dr. G. Nagalakshmi
7	25-07-2024	Thursday	4.30-5.30	Module-1	Dr. G. Nagalakshmi
8	26-07-2024	Friday	4.30-5.30	Module-1	Dr. G. Nagalakshmi
9	27-07-2024	Saturday	1.30-2.30	Module-1	Dr. G. Nagalakshmi
10	01-08-2024	Thursday	4.30-5.30	Module-1	Dr. G. Nagalakshmi
11	02-08-2024	Friday	4.30-5.30	Module-1	Dr. G. Nagalakshmi
12	03-08-2024	Saturday	1.30-2.30	Module-1	Dr. G. Nagalakshmi
13	08-08-2024	Thursday	4.30-5.30	Module-1	Dr. G. Nagalakshmi
14	09-08-2024	Friday	4.30-5.30	Module-1	Dr. G. Nagalakshmi
15	10-08-2024	Saturday	1.30-2.30	Module-1	Dr. G. Nagalakshmi
16	16-08-2024	Friday	4.30-5.30	Module-2	Dr. G. Nagalakshmi
17	17-08-2024	Saturday	1.30-2.30	Module-2	Dr. G. Nagalakshmi
18	22-08-2024	Thursday	4.30-5.30	Module-2	Dr. G. Nagalakshmi
19	23-08-2024	Friday	4.30-5.30	Module-2	Dr. G. Nagalakshmi
20	24-08-2024	Saturday	1.30-2.30	Module-2	Dr. G. Nagalakshmi
21	29-08-2024	Thursday	4.30-5.30	Module-2	Dr. G. Nagalakshmi
22	30-08-2024	Friday	4.30-5.30	Module-2	Dr. G. Nagalakshmi



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Estd. 1974

23	31-08-2024	Saturday	1.30-2.30	Module-2	Dr. G. Nagalakshmi
24	05-09-2024	Thursday	4.30-5.30	Module-2	Dr. G. Nagalakshmi
25	06-09-2024	Friday	4.30-5.30	Module-2	Dr. G. Nagalakshmi
26	12-09-2024	Thursday	4.30-5.30	Module-2	Dr. G. Nagalakshmi
27	13-09-2024	Friday	4.30-5.30	Module-2	Dr. G. Nagalakshmi
28	14-09-2024	Saturday	1.30-2.30	Module-2	Dr. G. Nagalakshmi
29	19-09-2024	Thursday	4.30-5.30	Module-2	Dr. G. Nagalakshmi
30	20-09-2024	Friday	4.30-5.30	Module-2	Dr. G. Nagalakshmi
31	21-09-2024	Saturday	1.30-2.30	Valedictory	Valedictory

G. Nagalakshmi
Course Coordinator

Dr. G. Nagalakshmi

A.R. Mahesh
HOD

Dr. A.R. Mahesh

P. Padma
PRINCIPAL

Dr. Padmaa M. Paarakh



No.6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru -560 068
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COURSE ON CHEMINFORMATICS AND MOLECULAR MODELING

(Course code: CMM 2023-24)

SYLLABUS

MODULE	TOPIC
Introduction	Introduction to the Program
Module 1: Cheminformatics and Molecular Modeling	Molecular Numerology
	Graph theory and molecular numerology.
	Logic, sets and functions.
	Algorithms, integers and matrices.
	Mathematical reasoning, induction and recursion.
	Counting; graphs, trees and sets, basic probability and statistics.
	Markov processes. Application: Biomolecule Networks, Metabolic Pathways.
	Stereochemistry
	Basic Stereochemistry, Amino acids and Proteins and Properties.
	pKa, pH and ionization of acids and bases.
	Protein structure - Primary structure, Secondary structure - helix & sheet.
	Tertiary structure.
	Quaternary structure.
	covalent and non-covalent forces that maintain structures.
	Introduction to drug action, pro drug design and applications.
Chemical Information	
History of scientific information communication-chemical literature-chemical information-chemical information search-chemical information sources-chemical name and formula searching-analytical chemistry-chemical history-	



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	biography-directories and industry sources.
	Chemical Structure: Databases, Formats, Drawing Tools and Structure Visualizations.
Module 2: Cheminformatics and Molecular Modeling	Database Management
	Introduction to data and Database.
	Data Type, Experimental sources of biological data.
	Publicly available databases.
	Database Management.
	Gene expression monitoring.
	Genomics and Proteomics.
	Metabolomics.
	Visualization of sequence data.
	Visualization of structures using Rasmol or Pymol or CHIME.
	Genetic basis of disease.
	Personalised medicine and gene-based diagnostics.
	Structure-Based Drug Design
	Introduction to drugs, Chemical structural data files.
	Structure-based drug design.
	Protein structure.
	Drug action & enzymes. Drug action & receptors.

G. Nagalakshmi
Course Coordinator

Dr. G. Nagalakshmi

A.R. Mahesh
HOD

Dr. A.R. Mahesh

P. Padma
PRINCIPAL

Dr. Padmaa M. Paarakh



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COURSE ON CHEMINFORMATICS AND MOLECULAR MODELING

(Course Code: CMM 2023-24)

OUTCOME REPORT

The Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru-560068 had completed Course on CHEMINFORMATICS AND MOLECULAR MODELING (Course Code: CMM 2023-24). 20 students were registered and the course was conducted for 30 hours. This course trains registrants to impart focuses on understanding the importance of primary and secondary structures of proteins with stereochemistry, retrieve chemical information from structural and visualization tools, familiar on existing databases and their application and give a clear view on algorithms which is involved in biomolecular networks.

Outcomes: At the end of this course students were able to

- Develop applications to solve biological problems by utilizing the cheminformatics algorithms and programming languages.
- Develop knowledge and skills to analyses and interpret biological data for research requirements.
- Develop good scientific communication skills.
- Get knowledge of the tools, frameworks, and libraries for cheminformatics applications.

The students were satisfied and were keen to attend such programs in future.

G. Nagalakshmi
Course Coordinator

Dr. G. Nagalakshmi


HOD

Dr. A.R. Mahesh


PRINCIPAL

Dr. Padmaa M. Paarakh



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COURSE ON CHEMINFORMATICS AND MOLECULAR MODELING

(Course Code: CMM 2023-24)

COMPLETION REPORT

The Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, conducted a course on Cheminformatics and Molecular Modeling (Course Code: CMM 2023-24) for the academic year 2023-24. The course was intended to impart focus on understanding the importance of primary and secondary structures of proteins with stereochemistry, retrieve chemical information from structural and visualization tools, familiar on existing databases and their application and give a clear view on algorithms which is involved in biomolecular networks.

The course was started with an inaugural function by welcoming the Principal Dr. Padmaa M. Paarakh. The function was conducted at Room No-507 and all the participants were introduced by Course Coordinator Dr. G. Nagalakshmi. Total 20 students joined the program. The inaugural function has been summed up with the introductory lecture of course coordinator Dr. G. Nagalakshmi.

A total of 30 hours course had been conducted after the college hour on Thursday, Friday & Saturday. Total 20 students were enrolled for this course.

The syllabus of the course had been divided into two modules. After the completion of each module an internal assessment was conducted and overall test was conducted after the completion of the course. The results of module I, II, and overall were analysed. Approximately 73 % students scored grade A (marks percentage-95-100%) in all the tests followed by 23 % who scored grade B (marks percentage-90-94%) and 6.3 % scored grade C (marks percentage-85-89%) and 0 % scored grade D (marks percentage-80-84 %). The performance of the students in the tests were found good. About ninety six percent of the students had secured excellent grades in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes.

The valedictory function has been conducted on 21/09/2024 and the course participation certificate were distributed to all 20 students by the Principal Dr. Padmaa M.Paarakh and Head of the Department Dr. A.R. Mahesh. Dr. A.R. Mahesh, thanked Principal madam and management for providing best infrastructure for carrying out such courses. On behalf of department, he promised to carry out such courses in future also.

The guest of the valedictory function, Dr. Padmaa M Paarakh, Principal, TOCP, Bengaluru had appreciated the enthusiasm of the students for this course and congratulate the Department of Pharmaceutical Chemistry and the course coordinator Dr. G. Nagalakshmi for successful completion of the course.

G. Nagalakshmi
Course Coordinator

Dr. G. Nagalakshmi

A.R. Mahesh
HOD

Dr. A.R. Mahesh

P. Padmaa
PRINCIPAL

Dr. Padmaa M. Paarakh



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COURSE ON CHEMINFORMATICS AND MOLECULAR MODELING

(Course Code: CMM 2023-24)

Attendance Statement

S. No	Name of the student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Date of the Class	11/7	12/7	13/7	18/7	19/7	20/7	25/7	26/7	27/7	01/8	02/8	03/8	08/8	09/8	10/8
1	MANASA S	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
2	MANIKYAM LIKHITH	Manik	Manik	Manik	Manik	Manik	Manik	Manik	Manik	Manik	Manik	Manik	Manik	Manik	Manik	Manik
3	MONISHA M	moni	moni	moni	moni	moni	moni	moni	moni	moni	moni	moni	moni	moni	moni	moni
4	NOOR AYESHA L	Noor	Noor	Noor	Noor	Noor	Noor	Noor	Noor	Noor	Noor	Noor	Noor	Noor	Noor	Noor
5	PALASH MAITY	Palsh	Palsh	Palsh	Palsh	Palsh	Palsh	Palsh	Palsh	Palsh	Palsh	Palsh	Palsh	Palsh	Palsh	Palsh
6	PRADEEP M	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra
7	PRAJWAL B R	Praj	Praj	Praj	Praj	Praj	Praj	Praj	Praj	Praj	Praj	Praj	Praj	Praj	Praj	Praj
8	RAGULNATH V	Rag	Rag	Rag	Rag	Rag	Rag	Rag	Rag	Rag	Rag	Rag	Rag	Rag	Rag	Rag
9	RAJESH NAIDU M	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj
10	RAVI RANJAN	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR
11	RESHMA J	resh	resh	resh	resh	resh	resh	resh	resh	resh	resh	resh	resh	resh	resh	resh
12	ROHAN B	Roh	Roh	Roh	Roh	Roh	Roh	Roh	Roh	Roh	Roh	Roh	Roh	Roh	Roh	Roh
13	ROOPA SHREE N	Roo	Roo	Roo	Roo	Roo	Roo	Roo	Roo	Roo	Roo	Roo	Roo	Roo	Roo	Roo
14	S G SHREYA SHREE	Shu	Shu	Shu	Shu	Shu	Shu	Shu	Shu	Shu	Shu	Shu	Shu	Shu	Shu	Shu
15	SAGAR D	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa
16	SAHIL	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil
17	SANNIDHI J KULKARNI	Sang	Sang	Sang	Sang	Sang	Sang	Sang	Sang	Sang	Sang	Sang	Sang	Sang	Sang	Sang
18	SANTHOSH A	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
19	SHABARI B E	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh
20	SHAIK BRIZEES FATHIMA	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh
	SIGNATURE	G.	G.	G.	G.	G.	G.	G.	G.	G.	G.	G.	G.	G.	G.	G.





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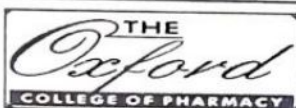
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COURSE ON CHEMINFORMATICS AND MOLECULAR MODELING

(Course Code: CMM 2023-24)

Attendance Statement

S. No	Name of the student	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	Date of the Class	16/8	17/8	22/8	23/8	24/8	29/8	30/8	31/8	05/9	06/9	12/9	13/9	14/9	19/9	20/9
1	MANASA S	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
2	MANIKYAM LIKHITH	Manik	Manik	Manik	Manik	Manik	Manik	Manik	Manik	Manik	Manik	Manik	Manik	Manik	Manik	Manik
3	MONISHA M	Moni	Moni	Moni	Moni	Moni	Moni	Moni	Moni	Moni	Moni	Moni	Moni	Moni	Moni	Moni
4	NOOR AYESHA L	Noor	Noor	Noor	Noor	Noor	Noor	Noor	Noor	Noor	Noor	Noor	Noor	Noor	Noor	Noor
5	PALASH MAITY	Palsh	Palsh	Palsh	Palsh	Palsh	Palsh	Palsh	Palsh	Palsh	Palsh	Palsh	Palsh	Palsh	Palsh	Palsh
6	PRADEEP M	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra	Pra
7	PRAJWAL B R	Praj	Praj	Praj	Praj	Praj	Praj	Praj	Praj	Praj	Praj	Praj	Praj	Praj	Praj	Praj
8	RAGULNATH V	Rag	Rag	Rag	Rag	Rag	Rag	Rag	Rag	Rag	Rag	Rag	Rag	Rag	Rag	Rag
9	RAJESH NAIDU M	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj
10	RAVI RANJAN	Ra	Ra	Ra	Ra	Ra	Ra	Ra	Ra	Ra	Ra	Ra	Ra	Ra	Ra	Ra
11	RESHMA J	Resh	Resh	Resh	Resh	Resh	Resh	Resh	Resh	Resh	Resh	Resh	Resh	Resh	Resh	Resh
12	ROHAN B	Roh	Roh	Roh	Roh	Roh	Roh	Roh	Roh	Roh	Roh	Roh	Roh	Roh	Roh	Roh
13	ROOPA SHREEN	Roo	Roo	Roo	Roo	Roo	Roo	Roo	Roo	Roo	Roo	Roo	Roo	Roo	Roo	Roo
14	S G SHREYA SHREE	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh
15	SAGAR D	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa	Sa
16	SAHIL	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil
17	SANNIDHI J KULKARNI	Sang	Sang	Sang	Sang	Sang	Sang	Sang	Sang	Sang	Sang	Sang	Sang	Sang	Sang	Sang
18	SANTHOSH A	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
19	SHABARI B E	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh
20	SHAIK BRIZEES FATHIMA	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh
	SIGNATURE	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G





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COURSE ON CHEMINFORMATICS AND MOLECULAR MODELING

(Course code: CMM 2023-24)

List of Students

S.No	Student Name	Signature
1	MANASA S	Manasa
2	MANIKYAM LIKHITH	Manikyam
3	MONISHA M	Monisha M
4	NOOR AYESHA L	Noor Ayesha L
5	PALASH MAITY	Palash.
6	PRADEEP M	Pradeep
7	PRAJWAL B R	Prajwal B R.
8	RAGULNATH V	Raguhnath V.
9	RAJESH NAIDU M	Rajesh M
10	RAVI RANJAN	Ravi Ranjan
11	RESHMA J	Reshma J
12	ROHAN B	Rohan B
13	ROOPA SHREE N	Roopa Shree N
14	S G SHREYA SHREE	S G Shreya Shree
15	SAGAR D	Sagar D
16	SAHIL	Sahil
17	SANNIDHI J KULKARNI	Sannidhi J
18	SANTHOSH A	Santhosh A
19	SHABARI B E	Shabari B E
20	SHAIK BRIZEES FATHIMA	Shaikeez

G. Nagalakshmi
Course Coordinator

Dr. G. Nagalakshmi

A.R. Mahesh
HOD

Dr. A.R. Mahesh

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6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. RAJESH NAIDU. of II year
has undergone an Add-on course on Cheminformatics and Molecular Modeling
held at the Department of Pharmaceutical Chemistry, The Oxford College of
Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

G. Nagalakshmi
COURSE COORDINATOR

Dr. A.R. Mahesh
HOD

P. Padma M Paarakh
PRINCIPAL

Dr. G. NAGALAKSHMI
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

Dr. A.R. MAHESH
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that ~~Mr./Ms.~~ RESHMA J of II year has undergone an Add-on course on Cheminformatics and Molecular Modeling held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

G. Nagalakshmi
COURSE COORDINATOR

A.R. Mahesh
HOD

P. Padma
PRINCIPAL

Dr. G. NAGALAKSHMI
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

Dr. A.R. MAHESH
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. ROHAN B of II year
has undergone an Add-on course on Cheminformatics and Molecular Modeling
held at the Department of Pharmaceutical Chemistry, The Oxford College of
Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

G. Nagalakshmi
COURSE COORDINATOR

Dr. A.R. Mahesh
HOD

P. Padma
PRINCIPAL

Dr. G. NAGALAKSHMI
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

Dr. A.R. MAHESH
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that ~~Mr.~~Ms. ROOPA SHREE . N. of II year has undergone an Add-on course on Cheminformatics and Molecular Modeling held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

G. Nagalakshmi
COURSE COORDINATOR

A.R. Mahesh
HOD

P. Padma
PRINCIPAL

Dr. G. NAGALAKSHMI
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

Dr. A.R. MAHESH
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. SAHIL of II year has undergone an Add-on course on Cheminformatics and Molecular Modeling held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

G. Nagalakshmi
COURSE COORDINATOR

A.R. Mahesh
HOD

P. Padmaa
PRINCIPAL

Dr. G. NAGALAKSHMI
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

Dr. A.R. MAHESH
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



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COURSE ON CHIRAL PHYTOCHEMICAL ISOLATION AND CHARACTERIZATION

(Course Code: CPIC 2023-24)

Notice

Date: 01/07/2024

To

Notice Board

To be read in the class rooms

Course Coordinator: Mrs. Chanda Ranjan

To be filed

The Oxford College of Pharmacy, Bengaluru introduces a 30 hours course on **Chiral Phytochemical Isolation and Characterization** for the academic year 2023-24, for the benefit of IV sem B. Pharm, students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from 13th July, 2024 and will be conducted every Tuesday and Saturday after class hours. The eligibility criteria include students pursuing Pharmacy degree that is IV sem B. Pharm students. Interested students can enroll with, Mrs. Chanda Ranjan course coordinator on or before 12th July 2024.

Course Co-coordinator

Mrs. Chanda Ranjan

HOD

Dr. Mahesh AR

Principal

Dr. Padmaa M Paarakh



Organizing Committee

Chairman	Dr. Padmaa M Paarakh, Principal, TOCP, Bangalore.
HOD	Dr. Mahesh AR Department of Pharmaceutical Chemistry TOCP, Bengaluru.
Program Coordinator	Mrs. Chanda Ranjan Department of Pharmaceutical Chemistry TOCP, Bengaluru.

For Further Information Contact

Mrs. Chanda Ranjan
Assistant Professor
Department of Pharmaceutical
Chemistry
TOCP, Bengaluru

THE OXFORD COLLEGE OF PHARMACY

The Oxford College of Pharmacy (TOCP) was established in 1992. TOCP under the aegis of Children's Education Society (R) offers D Pharm, B Pharm, M Pharm, Pharm D, Pharm D Post Baccalaureate and PhD Programs. TOCP is recognized by the Government of Karnataka, affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, and Drug control Board, Karnataka respectively, approved by A.I.C.T.E and Pharmacy Council of India, New Delhi. TOCP has excellent infrastructure in terms of sophisticated instruments, laboratories, lecture halls, etc.

ELIGIBILITY CRITERIA

Students Pursuing Pharmacy Degree i.e., IV SEM B. Pharm,

Course On "Chiral Phytochemical Isolation and Characterization"



Organized by **THE OXFORD COLLEGE OF PHARMACY**

Department of Pharmaceutical Chemistry
1st Main Rd, Hongasandra, Bengaluru,
Karnataka 560068

Important Dates

Duration: 30 hours

Last date for registration: 12/07/2024

Date of commencement: 13/07/2024

Planned Examination : After
completion of 30 hrs of classes

REGISTRATION

Registration Fees	NIL It is a free course offered by The Oxford College of Pharmacy, Bengaluru-68
Contact person for registration	Mrs. Chanda Ranjan 9108010092

STRUCTURE

- Course will be conducted for 30 hours.
- Every Tuesday and Saturday after the college hours.

COURSE DESCRIPTION

The Department of Pharmaceutical Chemistry TOCP , Bengaluru-560068 introduces a thirty hours certificate course on Chiral Phytochemical Isolation and Characterization (Course Code: CPIC 2023-24). This course offers the basic knowledge about understanding of the fundamental concepts, techniques, in isolating and characterizing chiral compounds.

OBJECTIVES OF PROGRAM

- Chiral Phytochemical Isolation and Characterization" will help in having the understanding of the fundamental concepts, techniques, and applications related to isolating and characterizing chiral compounds from plants.
- Understand how to select the appropriate method based on the properties of the phytochemicals being studied.

FINAL ASSESSMENT

Final exams will be conducted at the end of the syllabus

DURATION

Thirty hours.

OUTCOME

At the end of this course students were able to:

1. Recognize the significance of chirality in natural products.
2. Understand both theoretical and practical skills in isolating and characterizing chiral phytochemicals.
3. It helped the students in preparing them for roles in research, pharmaceuticals, food science, and related industries.

4. REGISTRATION PROCESS

Directly contact Course Co-Ordinator and register.

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
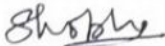


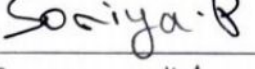
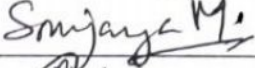
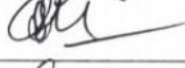
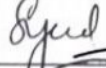
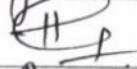
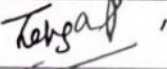
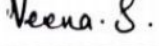

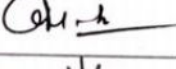
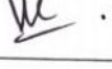
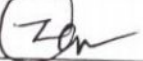
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COURSE ON CHIRAL PHYTOCHEMICAL ISOLATION AND CHARACTERIZATION

CPIC (2023-24)

Registration List

S. No	Name of the student	Signature
1	Shivan.A	
2	Shobha	
3	Shodhan s reddy	
4	Sneha Biswas	
5	Soniya Patel	
6	Sowjanya M	
7	Sudhansu kumar choudhary	
8	Syed saqlian A	
9	Tharun H.G	
10	Thejas.P	
11	Veena.S	
12	Venkatesh.S	
13	Vinay kumar	
14	Vinutha k	
15	Zakir ahmad Magry	



Course Co-coordinator

Mrs. Chanda Ranjan



HOD

Dr. Mahesh AR



Principal

Dr. Padma M Paarakh

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COURSE ON CHIRAL PHYTOCHEMICAL ISOLATION AND CHARACTERIZATION

(Course Code: CPIC 2023-24)

Session Plan

SL. NO	DATE	DAY	TIME	MODULE	FACULTY
1	13-07-2024	SATURDAY	1:30-2:30 PM	Inaugural Module-1	Dr. Padmaa. M. Paarakh Chanda Ranjan
2	13-07-2024	SATURDAY	3:00-4:00 PM	Module-1	Chanda Ranjan
3	16-07-2024	TUESDAY	4:30-5:30 PM	Module-1	Chanda Ranjan
4	20-07-2024	SATURDAY	1:30-2:30 PM	Module-1	Chanda Ranjan
5	20-07-2024	SATURDAY	3:00-4:00 PM	Module-1	Chanda Ranjan
6	23-07-2024	TUESDAY	4:30-5:30 PM	Module-1	Chanda Ranjan
7	27-07-2024	SATURDAY	1:30-2:30 PM	Module-1	Chanda Ranjan
8	27-07-2024	SATURDAY	3:00-4:00 PM	Module-1	Chanda Ranjan
9	30-07-2024	TUESDAY	4:30-5:30 PM	Module-1	Chanda Ranjan
10	03-08-2024	SATURDAY	1:30-2:30 PM	Module-1	Dr. Kirana
11	03-08-2024	SATURDAY	3:00-4:00 PM	Module-1	Chanda Ranjan
12	06-08-2024	TUESDAY	4:30-5:30 PM	Module-2	Chanda Ranjan
13	10-08-2024	SATURDAY	1:30-2:30 PM	Module-2	Chanda Ranjan
14	10-08-2024	SATURDAY	3:00-4:00 PM	Module-2	Chanda Ranjan
15	13-08-2024	TUESDAY	4:30-5:30 PM	Module-2	Chanda Ranjan
16	17-08-2024	SATURDAY	1:30-2:30 PM	Module-2	Chanda Ranjan
17	17-08-2024	SATURDAY	3:00-4:00 PM	Module-2	Chanda Ranjan
18	27-08-2024	TUESDAY	4:30-5:30 PM	Module-2	Chanda Ranjan
19	31-08-2024	SATURDAY	1:30-2:30 PM	Module-2	Chanda Ranjan
20	31-08-2024	SATURDAY	3:00-4:00 PM	Module-2	Chanda Ranjan



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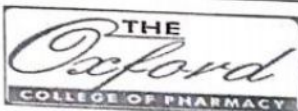
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21	03-09-2024	TUESDAY	4:30-5:30 PM	Module-2	Chanda Ranjan
22	10-09-2024	TUESDAY	4:30-5:30 PM	Module-3	Chanda Ranjan
23	14-09-2024	SATURDAY	1:30-2:30 PM	Module-3	Chanda Ranjan
24	14-09-2024	SATURDAY	3:00-4:00 PM	Module-3	Chanda Ranjan
25	17-09-2024	TUESDAY	4:30-5:30 PM	Module-3	Chanda Ranjan
26	21-09-2024	SATURDAY	1:30-2:30 PM	Module-3	Chanda Ranjan
27	21-09-2024	SATURDAY	3:00-4:00 PM	Module-3	Chanda Ranjan
28	24-09-2024	TUESDAY	4:30-5:30 PM	Module-3	Chanda Ranjan
29	28-09-2024	SATURDAY	1:30-2:30 PM	Module-3	Chanda Ranjan
30	28-09-2024	SATURDAY	3:00-4:00 PM	Module-3	Chanda Ranjan
31	05-10-2024	SATURDAY	1:30-2:30 PM	Valedictory	Chanda Ranjan

CR
Course Co-coordinators
Mrs. Chanda Ranjan

MH
HOD
Dr. Mahesh AR

P. Padma
Principal
Dr. Padma M Paarakh



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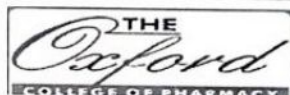
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COURSE ON CHIRAL PHYTOCHEMICAL ISOLATION AND CHARACTERIZATION

(Course Code: CPIC 2023-24)

SYLLABUS

MODULES	TOPICS
Module I	Introduction to Phytochemicals
	Overview of Phytochemicals
	Chirality in Phytochemicals
	importance of chiral compounds in photochemistry
	Extraction Techniques
	Solvent Extraction
	Supercritical Fluid Extraction
	Microwave-Assisted Extraction
	Ultrasonic extraction
	Different Isolation Methods
	Principles of solvent extraction and actors affecting extraction efficiency
	Steam distillation
	Supercritical fluid extraction
Module II	Chiral Separation Techniques
	Chromatographic methods (HPLC, GC, SFC)
	Enantioselective crystallization
	Capillary electrophoresis
	Chiral chromatography (preparative and analytical)
	Chiral Analysis and Characterization
	Spectroscopic techniques (NMR, MS)
	Spectroscopic techniques (IR, UV-Vis)
	Optical rotation and circular dichroism
	Chiral derivatization methods
	Advanced NMR techniques (NOESY, COSY)



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Module III	Real-world examples of chiral phytochemical isolation
	Applications in pharmaceuticals, nutraceuticals, and cosmetics
	Regulatory and ethical considerations
	Pharmaceutical Applications
	Role of chiral phytochemicals in drug development
	Examples of chiral drugs from phytochemicals
	Nutraceutical and Cosmetic Applications
	Chiral phytochemicals in nutraceuticals and cosmetics
	Regulatory and Ethical Considerations
	Guidelines for chiral drug development
	Ethical issues in phytochemical research
	Emerging research in chiral photochemistry
	Future prospects and challenges


Course Co-coordinator

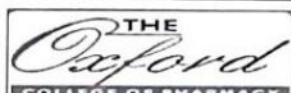
Mrs. Chanda Ranjan


HOD

Dr Mahesh AR


Principal

Dr. Padma M Paarakh



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COURSE ON CHIRAL PHYTOCHEMICAL ISOLATION AND CHARACTERIZATION

(Course Code: CPIC 2023-24)

Outcome Report

The Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru- 560068, completed a course on Chiral Phytochemical Isolation and Characterization (Course Code: CPIC 2023-24). 15 students were registered and the course was conducted for 30 hours. The course was intended to impart the understanding of the fundamental concepts, techniques, and applications related to isolating and characterizing chiral compounds from plants and to develop the understanding of how to select the appropriate method based on the properties of the phytochemicals being studied.

Outcome: At the end of this course students were able to:

1. Recognize the significance of chirality in natural products.
2. Understand both theoretical and practical skills in isolating and characterizing chiral phytochemicals.
3. It helped the students in preparing them for roles in research, pharmaceuticals, food science, and related industries.

The students were satisfied and were keen to attend such programs in future.

Course Co-coordinator

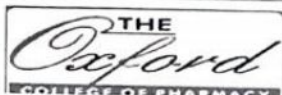
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COURSE ON CHIRAL PHYTOCHEMICAL ISOLATION AND CHARACTERIZATION
(Course Code: CPIC 2023-24)

Completion Report

The Department of Pharmaceutical Chemistry, The Oxford college of Pharmacy, Bengaluru, conducted a course on Chiral Phytochemical Isolation and Characterization (Course Code: CPIC 2023-24) for the academic year 2023-24. The course was intended to impart the understanding of the fundamental concepts, techniques, and applications related to isolating and characterizing chiral compounds from plants and to develop the understanding of how to select the appropriate method based on the properties of the phytochemicals being studied.

The course was started with a formal inaugural function started by Principal Dr. M. Padmaa Paarakh. The function was conducted and all the participants were introduced by Mrs. Chanda Ranjan, Course Coordinator. Our principal had emphasized on the importance of doing such courses in academics as well as in future also. The inaugural function has been summed up with the introductory lecture of course coordinator by Mrs. Chanda Ranjan.

A total 30 hours course had been conducted after the college hours on Tuesday and Saturday. About 15 students were attended the course and benefited. The syllabus of the course had been divided into three modules. After the completion of each module an internal assessment was conducted and overall test was conducted after the completion of the course.

The performance of the students in the tests were found to be excellent, in which 64.56 % students scored grade A (marks percentage-95-100%) in all the tests followed by 18.54 % who scored grade B (marks percentage-90-94%) and % scored grade C 12.40 % (marks percentage-85-90 %) and 4.50 % scored grade D (marks percentage-75-84 %). 76.56 % of the students had scored more than 95% marks in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes if any they have.

The valedictory function has been conducted on 05/10/2024 and the course participation certificates were distributed to all 15 students by the Principal Dr. Padmaa M Paarakh and Head of the Department Dr. Mahesh



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AR thanked Principal Madam and management for providing best infrastructure for carrying out such courses. On behalf of Department, he promised to carry out such courses in future also.

The guest of the valedictory function, Dr Padmaa Paarakh, Principal, TOCP, Bengaluru had appreciated the enthusiasm of the students in this course and also thanked the Department of Pharmaceutical chemistry, and the course coordinator Mrs. Chanda Ranjan for successful completion of the course.

CR
Course Co-coordinator
Mrs. Chanda Ranjan

Mahesh
HOD
Dr. Mahesh AR

P. Padma
Principal
Dr. Padmaa M Paarakh



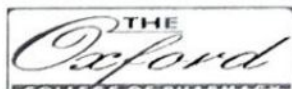
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COURSE ON CHIRAL PHYTOCHEMICAL ISOLATION AND CHARACTERIZATION CPIC (2023-24) Attendance Statement

S. No	Name of the student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Date of the Class	13/7	13/7	16/7	20/7	20/7	23/7	27/7	27/7	30/7	3/8	3/8	6/8	10/8	10/8	13/8
1	Shivan.A	SA	SA	SA	SA	SA	SA	SA	SA	SA	A	SA	SA	SA	SA	SA
2	Shobha	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
3	Shodhan s reddy	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR
4	Sneha Biswas	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
5	Soniya Patel	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
6	Sowjanya M	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
7	Sudhansu kumar choudhary	SC	SC	A	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
8	Syed saqlian A	SSA	SSA	SSA	SSA	SSA	SSA	SSA	SSA	SSA	SSA	SSA	SSA	SSA	SSA	SSA
9	Tharun H.G	THG	THG	THG	THG	THG	THG	THG	THG	THG	THG	THG	THG	THG	THG	THG
10	Thejas.P	TP	TP	TP	TP	TP	TP	A	TP	TP	TP	TP	TP	TP	TP	TP
11	Veena.S	VS	VS	VS	VS	VS	VS	VS	VS	VS	VS	VS	VS	VS	VS	VS
12	Venkatesh.S	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
13	Vinay kumar	VK	VK	VK	VK	VK	VK	VK	VK	VK	VK	VK	VK	VK	VK	VK
14	Vinutha k	VK	VK	VK	VK	VK	VK	VK	VK	VK	VK	VK	VK	VK	VK	VK
15	Zakir ahmad Magry	ZM	ZM	ZM	ZM	ZM	ZM	ZM	ZM	ZM	ZM	ZM	ZM	ZM	ZM	ZM
	SIGNATURE	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR





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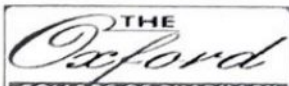
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COURSE ON CHIRAL PHYTOCHEMICAL ISOLATION AND CHARACTERIZATION

CPIC (2023-24)

Attendance Statement

S. No	Name of the student	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	Date of the Class	17/8	17/8	27/8	31/8	31/8	3/9	10/9	14/9	17/9	27/9	21/9	20/9	24/9	20/9	20/9
1	Shivan.A	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
2	Shobha	A	S	S	S	S	S	S	S	S	S	S	S	S	S	S
3	Shodhan s reddy	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR
4	Sneha Biswas	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
5	Soniya Patel	SP	SP	SP	SP	SP	SP	SP	SP	SP	A	SP	SP	SP	SP	SP
6	Sowjanya M	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
7	Sudhansu kumar choudhary	SC	SC	A	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
8	Syed saqlian A	SSA	SSA	SSA	SSA	SSA	SSA	SSA	SSA	SSA	SSA	SSA	SSA	SSA	SSA	SSA
9	Tharun H.G	THG	THG	THG	THG	THG	THG	THG	THG	THG	THG	THG	THG	THG	THG	THG
10	Thejas.P	TP	TP	TP	TP	TP	TP	TP	TP	TP	TP	TP	TP	TP	TP	TP
11	Veena.S	VS	VS	VS	VS	VS	VS	VS	VS	VS	VS	VS	VS	VS	VS	VS
12	Venkatesh.S	V	V	V	V	V	V	V	V	A	V	V	V	V	V	V
13	Vinay kumar	VK	VK	VK	A	VK	VK	VK	VK	VK	VK	VK	VK	VK	VK	VK
14	Vinutha k	VK	VK	VK	VK	VK	VK	VK	VK	VK	VK	VK	VK	VK	VK	VK
15	Zakir ahmad Magry	ZM	ZM	ZM	ZM	ZM	ZM	ZM	ZM	ZM	ZM	ZM	ZM	ZM	ZM	ZM
	SIGNATURE	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR



No.6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru - 560 068
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 e-mail: pharmacyprincipal@theoxford.edu; info@theoxford.edu;



THE OXFORD COLLEGE OF PHARMACY
6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that ...*Shivan..A.....* of *IV Sem B.Pharm.* has undergone a *Course on Chiral Phytochemical Isolation and Characterization* held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka, for the academic year 2023-24.


Course Coordinator

Mrs Chanda Ranjan
Dept. of Pharmaceutical Chemistry
The Oxford College of Pharmacy


HOD

Dr. Mahesh AR
Dept. of Pharmaceutical Chemistry
The Oxford College of Pharmacy


Principal

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



THE OXFORD COLLEGE OF PHARMACY
6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that ...*Shobha*.....of *IV. Sem. B.Pharm.* has undergone a *Course on Chiral Phytochemical Isolation and Characterization* held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka, for the academic year 2023-24.


Course Coordinator

Mrs Chanda Ranjan
Dept. of Pharmaceutical Chemistry
The Oxford College of Pharmacy


HOD

Dr. Mahesh AR
Dept. of Pharmaceutical Chemistry
The Oxford College of Pharmacy


Principal

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



THE
Oxford
COLLEGE OF PHARMACY

THE OXFORD COLLEGE OF PHARMACY
6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that ..*Shodhan S Reddy*.....of ..*IV Sem BPharm* has undergone a *Course on Chiral Phytochemical Isolation and Characterization* held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka, for the academic year 2023-24.

Course Coordinator

HOD

Principal

Mrs Chanda Ranjan
Dept. of Pharmaceutical Chemistry
The Oxford College of Pharmacy

Dr. Mahesh AR
Dept. of Pharmaceutical Chemistry
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



THE OXFORD COLLEGE OF PHARMACY
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PARTICIPATION CERTIFICATE

This is to certify that Sneha Biswas.....of IV Sem BPharm has undergone a *Course on* **Chiral Phytochemical Isolation and Characterization** held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka, for the academic year 2023-24.

Course Coordinator

HOD

Principal

Mrs Chanda Ranjan

Dept. of Pharmaceutical Chemistry
The Oxford College of Pharmacy

Dr. Mahesh AR

Dept. of Pharmaceutical Chemistry
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh

The Oxford College of Pharmacy



THE OXFORD COLLEGE OF PHARMACY
6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that ..*Soniya Patel*.....of ..*IV Sem BPharm* has undergone a *Course on Chiral Phytochemical Isolation and Characterization* held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka, for the academic year 2023-24.

Course Coordinator

Mahesh AR
HOD

P. Padma
Principal

Mrs Chanda Ranjan
Dept. of Pharmaceutical Chemistry
The Oxford College of Pharmacy

Dr. Mahesh AR
Dept. of Pharmaceutical Chemistry
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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COURSE ON ELECTROCHEMICAL SYNTHESIS AND PROCESSING

(Course Code: ESP 2023-24)

NOTICE

Date: 01-07-2024

To

Notice Board

To be read in the class rooms

Course Coordinator -Mrs. Pradeepa Prasad,

To be filed

The Oxford College of Pharmacy, Bengaluru introduces 30 hours course on “**Electrochemical Synthesis and Processing**” for the academic year 2023-24, for the benefit of II semester B. Pharm students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from **13th July 2024**. The classes will be conducted every Saturday and Tuesday after the regular class hours. The eligibility criteria include students pursuing Pharmacy degree, that is II semester B. Pharm students. Interested students can enrol with Mrs. Pradeepa Prasad, course coordinator on or before **12th July 2024**.

COURSE CO-ORDINATOR

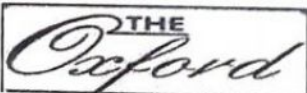
Mrs Pradeepa Prasad

HOD

Dr A R Mahesh

PRINCIPAL

Dr Padmaa M Paarakh



Chairman	Dr. Padmaa M Paarakh, Principal, TOCP, Bengaluru.
HOD	Dr. A.R.Mahesh, HOD, Department of Pharmaceutical Chemistry TOCP, Bengaluru.
Program Coordinator	Mrs. Pradeepa Prasad, Assistant professor, Department of Pharmaceutical Chemistry TOCP, Bengaluru.

For Further Information Contact

Mrs. Pradeepa Prasad
Assistant Professor
Department of Pharmaceutical
Chemistry
TOCP, Bengaluru
Email: pradeepapharm@gmail.com

**THE OXFORD COLLEGE OF
PHARMACY**

The Oxford College of Pharmacy (TOCP) was established in 1992. TOCP under the aegis of Children's Education Society (R) offers D Pharm, B. Pharm, M. Pharm, Pharm. D, and Pharm. D (Post Baccalaureate) programs. TOCP is recognized by the Government of Karnataka, affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, and Drug Control Board, Karnataka respectively, and Pharmacy Council of India, New Delhi. TOCP has excellent infrastructure in terms of sophisticated instruments, laboratories, lecture halls, etc.

ELIGIBILITY CRITERIA

Students Pursuing Pharmacy Degree
i.e., II semester B. Pharm students

**ELECTROCHEMICAL
SYNTHESIS AND
PROCESSING ”**



Organized by
**THE OXFORD COLLEGE
OF PHARMACY**

Department of Pharmaceutical
Chemistry,
1st Main Rd, Hongasandra, Bengaluru,
Karnataka 560068

Duration: 30 hours
Late date for Registration: 12/07/2024
Date of commencement: 13/07/2024
Date of examination: After completion
of 30 hours classes

Registration Fees	NIL It is a free course offered by The Oxford College of Pharmacy Bengaluru-68
Contact person for registration	Mrs. Pradeepa Prasad 8921969168

STRUCTURE

- Course will be conducted for 30 hours.
- Course will be conducted on every Saturday and Tuesday after the college hours.

COURSE DESCRIPTION

The Department of Pharmaceutical Chemistry, TOCP, Bengaluru introduces a thirty hours certificate course on ELECTROCHEMICAL SYNTHESIS AND PROCESSING (Course Code: ESP 2023-24). This course offers pharmacy registrants with the knowledge and skills needed to leverage electrochemical synthesis

OBJECTIVES OF PROGRAM

- The course provides the knowledge about the electrochemical methods
- This course will equip pharmacy registrants with the knowledge and skills needed to leverage electrochemical synthesis in their future careers
- It provide the students with a comprehensive understanding of electrochemical synthesis and its relevance to pharmaceutical sciences

FINAL ASSESSMENT

Final exams will be conducted at the end of the syllabus .

DURATION

- Thirty hours.

OUTCOME

- This course will provides a comprehensive understanding of electrochemical methods.
- Students will learn how to apply electrochemical synthesis in drug discovery and development.
- Create new drug molecules and optimize existing ones with greater efficiency and selectivity.
- Design and optimize electrochemical reactions, troubleshoot experimental issues, and interpret complex data, preparing them for advanced research and professional roles in the pharmaceutical industry

REGISTRATION PROCESS

- Contact your course coordinators and register.



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COURSE ON ELECTROCHEMICAL SYNTHESIS AND PROCESSING

(Course Code: ESP 2023-24)

Session Plan

SL. NO	DATE	DAY	TIME	MODULE	FACULTY
1	13-07-2024	SATURDAY	1:30-2:30 PM	Inaugural Module-1	Dr. Padmaa. M. Paarakh Mrs Pradeepa Prasad
2	13-07-2024	SATURDAY	3:00-4:00 PM	Module-1	Mrs Pradeepa Prasad
3	16-07-2024	TUESDAY	4:30-5:30 PM	Module-1	Mrs Pradeepa Prasad
4	20-07-2024	SATURDAY	1:30-2:30 PM	Module-1	Mrs Pradeepa Prasad
5	20-07-2024	SATURDAY	3:00-4:00 PM	Module-1	Mrs Pradeepa Prasad
6	23-07-2024	TUESDAY	4:30-5:30 PM	Module-1	Mrs Pradeepa Prasad
7	27-07-2024	SATURDAY	1:30-2:30 PM	Module-1	Mrs Pradeepa Prasad
8	27-07-2024	SATURDAY	3:00-4:00 PM	Module-1	Mrs Pradeepa Prasad
9	30-07-2024	TUESDAY	4:30-5:30 PM	Module-1	Mrs Pradeepa Prasad
10	03-08-2024	SATURDAY	1:30-2:30 PM	Module-1	Mrs Pradeepa Prasad
11	03-08-2024	SATURDAY	3:00-4:00 PM	Module-1	Mrs Pradeepa Prasad
12	06-08-2024	TUESDAY	4:30-5:30 PM	Module-2	Mrs Pradeepa Prasad
13	10-08-2024	SATURDAY	1:30-2:30 PM	Module-2	Mrs Pradeepa Prasad
14	10-08-2024	SATURDAY	3:00-4:00 PM	Module-2	Mrs Pradeepa Prasad
15	13-08-2024	TUESDAY	4:30-5:30 PM	Module-2	Mrs Pradeepa Prasad
16	17-08-2024	SATURDAY	1:30-2:30 PM	Module-2	Mrs Pradeepa Prasad
17	17-08-2024	SATURDAY	3:00-4:00 PM	Module-2	Mrs Pradeepa Prasad
18	27-08-2024	TUESDAY	4:30-5:30 PM	Module-2	Mrs Pradeepa Prasad
19	31-08-2024	SATURDAY	1:30-2:30 PM	Module-2	Mrs Pradeepa Prasad
20	31-08-2024	SATURDAY	3:00-4:00 PM	Module-2	Mrs Pradeepa Prasad
21	03-09-2024	TUESDAY	4:30-5:30 PM	Module-2	Mrs Pradeepa Prasad



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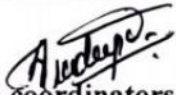


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22	10-09-2024	TUESDAY	4:30-5:30 PM	Module-3	Mrs Pradeepa Prasad
23	14-09-2024	SATURDAY	1:30-2:30 PM	Module-3	Dr Chandramouli
24	14-09-2024	SATURDAY	3:00-4:00 PM	Module-3	Mrs Pradeepa Prasad
25	17-09-2024	TUESDAY	4:30-5:30 PM	Module-3	Mrs Pradeepa Prasad
26	21-09-2024	SATURDAY	1:30-2:30 PM	Module-3	Mrs Pradeepa Prasad
27	21-09-2024	SATURDAY	3:00-4:00 PM	Module-3	Mrs Pradeepa Prasad
28	24-09-2024	TUESDAY	4:30-5:30 PM	Module-3	Mrs Pradeepa Prasad
29	28-09-2024	SATURDAY	1:30-2:30 PM	Module-3	Mrs Pradeepa Prasad
30	28-09-2024	SATURDAY	3:00-4:00 PM	Module-3	Mrs Pradeepa Prasad
31	05-10-2024	SATURDAY	1:30-2:30 PM	Valedictory	Mrs Pradeepa Prasad


Course Co-coordinators

Mrs Pradeepa Prasad


HOD

Dr. AR Mahesh


Principal

Dr. Padma M Paarakh



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COURSE ON ELECTROCHEMICAL SYNTHESIS AND PROCESSING

(Course Code: ESP 2023-24)

REGISTRATION LIST

S.NO	STUDENT NAME	SIGNATURE
1	HARISH G	<i>Harish G</i>
2	HARSHA. T	<i>Harsha. T</i>
3	HEMASHREE S	<i>Hemashree</i>
4	JEEVA	<i>Jeeva</i>
5	JOEL JOHN PHILIP	<i>Joel</i>
6	JOSHITHA.K	<i>Joshitha</i>
7	JOSHNI D	<i>Joshni D</i>
8	KALAVATHI K	<i>Kalavathi</i>
9	KAVYA K	<i>Kavya K</i>
10	KESHAV KUMAR	<i>Keshav Kumar</i>
11	KHASHIMASAB	<i>Khashimasab</i>
12	KRITHIKA S K	<i>Krithika</i>
13	KUSLUM	<i>Kuslum</i>
14	KUSHAM GOWDA H C	<i>Gowda Kusham H C</i>
15	LAVANYA.R	<i>Lavanya</i>
16	LIKHITH M	<i>Likith</i>
17	M.HARIHARAN	<i>M. Hariharan</i>
18	S.MEGALA	<i>Meghala</i>
19	MEGHANA R	<i>Meghana R</i>
20	MOHITH B.D	<i>Mohith B.D</i>
21	MONISH.S	<i>Monish S</i>
22	MONISHA R	<i>Monisha R</i>
23	MURALI P	<i>Murali P</i>
24	NAMANA R	<i>Namana R</i>
25	NANDHA KUMAR.S	<i>Nandakumar S</i>



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26	NANDHISH KUMAR.P	<i>Nish</i>
27	NAYANA NN	<i>Nayana</i>
28	NIKKI KUMARI	<i>Nikki Kumari</i>
29	NITHYA.M	<i>Nithya.M</i>
30	NITU KUMARI.P	<i>Nitu Kumari</i>

Pradeepa

COURSE CO-ORDINATOR

Mrs Pradeepa Prasad

A R Mahesh

HOD

Dr A R Mahesh

P. Padma

PRINCIPAL

Dr Padmaa M Paarakh





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COURSE ON ELECTROCHEMICAL SYNTHESIS AND PROCESSING
(Course Code: ESP 2023-24)

SYLLABUS

MODULE	TOPIC
Module I	Introduction to Electrochemistry in Pharmacy
	Electrochemistry basics
	Electrochemical reactions in pharmaceutical applications
	Electrochemical cells and electrodes
	Electrode kinetics and pharmacokinetics
	Electrochemical analysis in pharmaceutical research
	Electrochemical Synthesis of Pharmaceuticals
	Electrochemical synthesis of APIs, intermediates, chiral compounds
	Electrochemical oxidation/reduction reactions
	Case studies: Electrochemical synthesis (e.g., aspirin, vitamin C)
Module II	Electrochemical Processing in Pharmaceutical Formulation
	Electrochemical deposition of thin films for drug delivery
	Electrochemical modification of pharmaceutical excipients
	Electrochemical synthesis of nanoparticles for drug targeting
	Electrochemical processing of pharmaceutical suspensions
	Electrochemical sterilization of pharmaceutical equipment
	Electrochemical Analysis in Pharmaceutical Quality Control
	Electrochemical detection methods (e.g., voltammetry, amperometry)
	Electrochemical sensors for pharmaceutical analysis
	Electrochemical titration and Karl Fischer titration
	Electrochemical monitoring of pharmaceutical degradation
	Case studies: Electrochemical analysis (e.g., dissolution testing)
Module III	Applications and Case Studies in Pharmaceutical Electrochemistry
	Electrochemical synthesis of biomolecules (e.g., peptides, proteins)
	Electrochemical processing of biopharmaceuticals
	Electrochemical analysis of biosimilars
	Emerging trends and challenges in pharmaceutical electrochemistry
	Electrochemical synthesis of personalized medicines
Electrochemical applications in pharmaceutical research and development	

COURSE CO-ORDINATOR
Mrs. Pradeepa Prasad

HOD
Dr A.R. Mahesh

PRINCIPAL
Dr Padmaa M Paarakh





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COURSE ON ELECTROCHEMICAL SYNTHESIS AND PROCESSING

(Course Code: ESP 2023-24)

OUTCOME REPORT

The Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru- 560068, completed course on ELECTROCHEMICAL SYNTHESIS AND PROCESSING (Course Code: ESP 2023-24). 30 students registered and the course was conducted for 30 hours. This course was designed to equip pharmacy registrants with the knowledge and skills needed to leverage electrochemical synthesis in their future careers, fostering innovation and sustainability in pharmaceutical research and development.

Outcomes: At the end of this course students were able to

- Gain a comprehensive understanding of electrochemical methods.
- Apply electrochemical synthesis in drug discovery and development.
- Create new drug molecules and optimize existing ones with greater efficiency and selectivity.
- Design and optimize electrochemical reactions, troubleshoot experimental issues, and interpret complex data preparing them for advanced research and professional roles in the pharmaceutical industry.

The students were satisfied and were keen to attend such programs in future.

COURSE CO-ORDINATOR

Mrs Pradeepa Prasad

HOD

Dr A R Mahesh

PRINCIPAL

Dr Padmaa M Paarakh





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COURSE ON ELECTROCHEMICAL SYNTHESIS AND PROCESSING

(Course Code: ESP 2023-24)

COMPLETION REPORT

The Department of Pharmaceutical Chemistry, The Oxford college of Pharmacy, Bengaluru, conducted a course on ELECTROCHEMICAL SYNTHESIS AND PROCESSING (Course Code: ESP 2023-24) for the academic year 2023-24. The course was intended to impart the knowledge and skills needed to leverage electrochemical synthesis in their future careers, fostering innovation and sustainability in pharmaceutical research and development.

The course was started with a formal inaugural function by welcoming the Principal Dr. Padmaa M Paarakh. All the participants were introduced by Dr. A R Mahesh, HOD, department of pharmaceutical chemistry. All the 30 students have attended the function. The inaugural function has been summed up with the introductory lecture by Mrs Pradeepa Prasad, Course Coordinator.

A total 30 hours course had been conducted on Saturday and Tuesday. Total 30 students were enrolled for the course. The syllabus of the certificate course had been divided into three modules. After completion of each modules an internal assessment was conducted and an overall test was conducted after the completion of the course.

The final results of module I, II, III, and overall were analysed. Approximately 40% students scored grade A (marks percentage-91-100%) in all the tests followed by 46.6% who scored grade B (marks percentage 81-90%) and 10.8% scored grade C (marks percentage-71-80%) and 2.5% scored grade D (marks percentage-61-70 %). The performance of the students in the tests were found to be excellent. Eighty six percent of the students had scored more than 80% marks in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes if any they have.

The valedictory function has been conducted on 05/10/24 and the course participation certificate were distributed to all 30 students by the Principal Dr. Padmaa M Paarakh and Head of the Department Dr A.R. Mahesh. Dr A.R. Mahesh, thanked Principal madam and management for providing best infrastructure for carrying out such courses. On behalf of department, she promised to carry out such courses in future also.

The guest of the valedictory function, Dr Padmaa M Paarakh, Principal, TOCP, Bangalore had appreciated the enthusiasm of the students for this course and congratulate the Department of Pharmaceutical Chemistry and the course coordinator Mrs Pradeepa Prasad for successful completion of the course.

COURSE CO-ORDINATOR

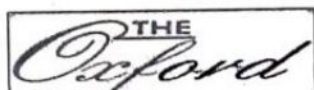
Mrs Pradeepa Prasad

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COURSE ON ELECTROCHEMICAL SYNTHESIS AND PROCESSING

(Course Code: ESP 2023-24)

ATTENDANCE SHEET

NAME OF THE STUDENT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
DATE	13/4	13/4	16/4	20/4	20/4	20/4	27/4	27/4	30/4	03/5	03/5	6/5	10/5	10/5	13/5
1. HARISH G	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
2. HARSHA. T	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT
3. HEMASHREE S	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
4. JEEVA	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J
5. JOEL JOHN PHILIP	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J
6. JOSHITHA.K	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J
7. JOSHNI D	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J
8. KALAVATHI K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
9. KAVYA K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
10. KESHAV KUMAR	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
11. KHASHIMASAB	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
12. KRITHIKA S K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
13. KUSLUM	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
14. KUSHAM GOWDA H C	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
15. LAVANYA.R	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
16. LIKHITH M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
17. M.HARIHARAN	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
18. S.MEGALA	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
19. MEGHANA R	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
20. MOHITH B.D	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
21. MONISH.S	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
22. MONISHA R	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
23. MURALI P	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
24. NAMANA R	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
25. NANDHA KUMAR.S	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
26. NANDHISH KUMAR.P	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
27. NAYANA NN	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
28. NIKKI KUMARI	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
29. NITHYA.M	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
30. NITU KUMARI.P	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SIGNATURE															





Children's Education Society (Regd.)

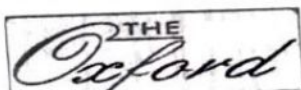
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COURSE ON ELECTROCHEMICAL SYNTHESIS AND PROCESSING (Course Code: ESP 2023-24)

ATTENDANCE SHEET

NAME OF THE STUDENT	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
DATE	17/4	17/4	27/4	21/4	31/4	8/9	10/9	14/9	14/9	17/9	21/9	21/9	24/9	24/9	28/9
1. HARISH G	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
2. HARSHA. T	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT
3. HEMASHREE S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4. JEEVA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5. JOEL JOHN PHILIP	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6. JOSHITHA.K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7. JOSHNI D	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8. KALAVATHI K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9. KAVYA K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10. KESHAV KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11. KHASHIMASAB	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12. KRITHIKA S K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13. KUSLUM	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14. KUSHAM GOWDA H C	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15. LAVANYA.R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16. LIKHITH M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17. M.HARIHARAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18. S.MEGALA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19. MEGHANA R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20. MOHITH B.D	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21. MONISH.S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22. MONISHA R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23. MURALI P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24. NAMANA R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25. NANDHA KUMAR.S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26. NANDHISH KUMAR.P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27. NAYANA NN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28. NIKKI KUMARI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29. NITHYA.M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30. NITU KUMARI.P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
SIGNATURE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P





THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. NANDHA KUMAR.S of B.Pharm I year has undergone an Add-on course on Electrochemical Synthesis And Processing held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE CO-ORDINATOR

Mrs. PRADEEPA PRASAD
Dept of Pharma Chemistry
The Oxford College of
Pharmacy


HOD

Dr. A R MAHESH
Dept of Pharma Chemistry
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. JOSHINA K of B. Pharm I year has undergone an Add-on course on Electrochemical Synthesis And Processing held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

COURSE CO-ORDINATOR

Mrs. PRADEEPA PRASAD
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

HOD

Dr. A R MAHESH
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. JHEMASHREE S of B. Pharm I year has undergone an Add-on course on Electrochemical Synthesis And Processing held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

COURSE CO-ORDINATOR

Mrs. PRADEEPA PRASAD
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

HOD

Dr. A R MAHESH
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. JOEL JOHN PHILIP of B. Pharm I year has undergone an Add-on course on Electrochemical Synthesis And Processing held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

COURSE CO-ORDINATOR

Mrs. PRADEEPA PRASAD
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

HOD

Dr. A R MAHESH
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. ANRISH G of B.Pharm I year has undergone an Add-on course on Electrochemical Synthesis And Processing held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.

COURSE CO-ORDINATOR

Mrs. PRADEEPA PRASAD
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

HOD

Dr. A R MAHESH
Dept of Pharma Chemistry
The Oxford College of
Pharmacy

PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



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COURSE ON MODERNIZATION IN PHARMA MANUFACTURING TECHNIQUES

(Course Code: MPMT 2023-24)

NOTICE

Date: 01-01-2024

To

Notice Board

To be read in the class rooms

Course Coordinator -Mrs. Divya S Kumar

To be filed

The Oxford College of Pharmacy, Bengaluru introduces 30 hours course on "Modernization in Pharma manufacturing techniques" for the academic year 2023-24, for the benefit of III Semester M. Pharm students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from **8th January 2024**. The classes will be conducted every Monday and Saturday after the regular class hours. The eligibility criteria include students pursuing Pharmacy degree, that is III Semester M. Pharm students. Interested students can enroll with Mrs. Divya S Kumar course coordinator on or before **6th January 2024**.

COURSE CO-ORDINATOR

Mrs Divya S Kumar

HOD

Dr Gururaj S Kulkarni

PRINCIPAL

Dr Padmaa M Paarakh



No.6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru -560 068

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e-mail: pharmacyprincipal@theoxford.edu; info@theoxford.edu;

Organizing Committee

Chairperson	Dr. Padmaa M Paarakh, Principal, TOCP, Bangalore.
HOD	Dr. Gururaj S Kulkarni , HOD, Department of Pharmaceutics TOCP, Bangalore.
Program Coordinator	Mrs Divya S Kumar, Assistant professor, Department of Pharmaceutics TOCP, Bangalore.

For Further Information Contact

Mrs. Divya S Kumar
Assistant Professor
Department of Pharmaceutics
TOCP, Bangalore
Email: dsk.ceutics@gmail.com

THE OXFORD COLLEGE OF PHARMACY

The Oxford College of Pharmacy (TOCP) was established in 1992. TOCP under the aegis of Children's Education Society (R) offers D Pharm, B. Pharm, M. Pharm, Pharm. D, and Pharm. D (Post Baccalaureate) programs. TOCP is recognized by the Government of Karnataka, affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, and Drug Control Board, Karnataka respectively, and Pharmacy Council of India, New Delhi. TOCP has excellent infrastructure in terms of sophisticated instruments, laboratories, lecture halls, etc.

ELIGIBILITY CRITERIA

Students Pursuing Pharmacy Degree i.e., III Semester M. Pharm.

Course On "Modernization in Pharma Manufacturing Techniques"



Organized by
**THE OXFORD COLLEGE
OF PHARMACY**

Department of Pharmaceutics,
#6/9, 1st Main Rd, Hongasandra,
Bengaluru, Karnataka 560068

Duration: 30 hours

Late date for Registration: 06/01/2024

Date of commencement: 08/01/2024

Date of examination: After completion
of 30 hours classes

REGISTRATION

Registration Fees	NIL It is a free course offered by The Oxford College of Pharmacy Bangalore-68
Contact person for registration	Mrs Divya S Kumar 9483958121

DURATION

Thirty hours.

COURSE DESCRIPTION

The Department of Pharmaceutics, IOCP, Bangalore introduces a thirty hours certificate course on 'Modernization In Pharma Manufacturing Techniques' (Course Code: MPMT 2023-24). This course offers pharmacy registrants with the knowledge and skills needed to develop and implement innovative solutions in pharma manufacturing process.

OBJECTIVES OF PROGRAM

- The course provides the knowledge about the current Manufacturing techniques.
- This course will equip pharmacy registrants with the knowledge and skills to develop and implement innovative solutions in pharma manufacturing process.
- It provide the students with a comprehensive understanding of current regulatory requirements and compliance

STRUCTURE

- Course will be conducted for 30 hours.
- Course will be conducted on every Monday and Saturday after college hours.

FINAL ASSESSMENT

Final exams will be conducted at the end of the syllabus .

OUTCOME

- Develop skill for thinking creatively and innovate for contributing to the development as well as implementation of new and improved manufacturing techniques.
- Develop in-depth knowledge of modern quality assurance protocols, ensuring high standards in drug production and reducing the risk of errors.

REGISTRATION PROCESS

- Contact your course coordinators and register.



COURSE ON MODERNIZATION IN PHARMA MANUFACTURING TECHNIQUES

(Course Code: MPMT 2023-24)

REGISTRATION LIST

S.NO	STUDENT NAME	SIGNATURE
1	ANIL KUMAR R	Anil Kumar R
2	ANKITHA NIDHI REDDY	Ankitha
3	BINDU. K	Bindu K
4	C. MOHAMMED YASEEN	C. M. Yaseen
5	GOWDA MAHANTESH	M. Mahantesh
6	HAMSA C A	Hamsa C.B
7	KUSHAN RAJ. P	Kushan Raj P
8	MADHUCHANDRA	M. Madhu Chandra
9	MAHESH GOWDA. B. N	Mahesh BN
10	MANOHAR. S	Manohar S
11	SANJAY H K	Sanjay H.K
12	UMME HABIBA	Umme Habiba


COURSE CO-ORDINATOR

Mrs Divya S Kumar


HOD

Dr Gururaj S Kulkarni


PRINCIPAL

Dr Padmaa M Paarakh



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COURSE ON MODERNIZATION IN PHARMA MANUFACTURING TECHNIQUES

(Course Code: MPMT 2023-24)

SYLLABUS

MODULE	TOPIC
Module I	Introduction to Modernization in Pharma manufacturing techniques
	Implementation and benefits in solid dosage forms.
	Applications in personalized medicine and on-demand drug production.
	Innovations in drug formulation and delivery systems.
	Efficiency and flexibility in biopharmaceutical production.
	Digital Transformation
	Integration of IoT and cyber-physical systems in manufacturing.
	Simulation of manufacturing processes.
	Optimization of manufacturing processes.
Module II	Machine learning applications in quality control and predictive maintenance.
	Process Analytical Technology
	Enhancements in process control through PAT
	Framework for designing robust manufacturing processes.
	Use of computational methods for process optimization.
	Navigating compliance in innovative manufacturing methods.
	Formulation Development
	Advances in drug delivery systems using nanoparticles.
	Challenges and solutions for complex biologics production.
Module III	Innovations in freeze-drying processes.
	Localized production models for rapid response.
	Advanced Process Control
	Model Predictive Control
	Implementing advanced control strategies to optimize manufacturing processes I
	Implementing advanced control strategies to optimize manufacturing processes II
	Automation
	Robotics
	Integrating robotics and automation systems to enhance operational efficiency
Sustainability Initiatives I	
Sustainability Initiatives II	
Addressing the need for regulatory frameworks that adapt to new technologies while maintaining safety and efficacy standards	


COURSE CO-ORDINATOR

Mrs Divya S Kumar


HOD

Dr Gururaj S Kulkarni


PRINCIPAL

Dr Padmaa M Paarakh



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COURSE ON MODERNIZATION IN PHARMA MANUFACTURING TECHNIQUES

(Course Code: MPMT 2023-24)

SESSION PLAN

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1	08-01-2024	MONDAY	4:00-5:00 PM	INAGURAL & MODULE 1	Mrs Divya S Kumar
2	13-01-2024	SATURDAY	1:00-2:00 PM	MODULE 1	Mrs Divya S Kumar
3	13-01-2024	SATURDAY	2:15-3:15 PM	MODULE 1	Mrs Divya S Kumar
4	15-01-2024	MONDAY	4:00-5:00 PM	MODULE 1	Mrs Divya S Kumar
5	20-01-2024	SATURDAY	1:00-2:00 PM	MODULE 1	Mrs Divya S Kumar
6	20-01-2024	SATURDAY	2:15-3:15 PM	MODULE 1	Mrs Divya S Kumar
7	22-01-2024	MONDAY	4:00-5:00 PM	MODULE 1	Mrs Divya S Kumar
8	27-01-2024	SATURDAY	1:00-2:00 PM	MODULE 1	Mrs Divya S Kumar
9	27-01-2024	SATURDAY	2:15-3:15 PM	MODULE 1	Mrs Divya S Kumar
10	29-01-2024	MONDAY	4:00-5:00 PM	MODULE 1	Mrs Divya S Kumar
11	03-02-2024	SATURDAY	1:00-2:00 PM	MODULE 2	Mrs Divya S Kumar
12	03-02-2024	SATURDAY	2:15-3:15 PM	MODULE 2	Mrs Divya S Kumar
13	05-02-2024	MONDAY	4:00-5:00 PM	MODULE 2	Mrs Divya S Kumar
14	10-02-2024	SATURDAY	1:00-2:00 PM	MODULE 2	Mrs Divya S Kumar
15	10-02-2024	SATURDAY	2:15-3:15 PM	MODULE 2	Mrs Divya S Kumar
16	12-02-2024	MONDAY	4:00-5:00 PM	MODULE 2	Mrs Divya S Kumar
17	17-02-2024	SATURDAY	1:00-2:00 PM	MODULE 2	Dr Sangamesh Puranik
18	17-02-2024	SATURDAY	2:15-3:15 PM	MODULE 2	Mrs Divya S Kumar
19	26-02-2024	MONDAY	4:00-5:00 PM	MODULE 2	Mrs Divya S Kumar
20	02-03-2024	SATURDAY	1:00-2:00 PM	MODULE 2	Mrs Divya S Kumar
21	02-03-2024	SATURDAY	2:15-3:15 PM	MODULE 3	Mrs Divya S Kumar
22	04-03-2024	MONDAY	4:00-5:00 PM	MODULE 3	Mrs Divya S Kumar
23	09-03-2024	SATURDAY	1:00-2:00 PM	MODULE 3	Mrs Divya S Kumar
24	09-03-2024	SATURDAY	2:15-3:15 PM	MODULE 3	Mrs Divya S Kumar
25	11-03-2024	MONDAY	4:00-5:00 PM	MODULE 3	Mrs Divya S Kumar
26	16-03-2024	SATURDAY	1:00-2:00 PM	MODULE 3	Mrs Divya S Kumar
27	16-03-2024	SATURDAY	2:15-3:15 PM	MODULE 3	Mrs Divya S Kumar
28	18-03-2024	MONDAY	4:00-5:00 PM	MODULE 3	Mrs Divya S Kumar
29	23-03-2024	SATURDAY	1:00-2:00 PM	MODULE 3	Mrs Divya S Kumar
30	23-03-2024	SATURDAY	2:15-3:15 PM	MODULE 3	Mrs Divya S Kumar
31	25-03-2024	MONDAY	4:00-5:00 PM	VALEDICTORY	Mrs Divya S Kumar


COURSE CO-ORDINATOR

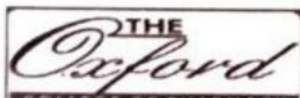
Mrs Divya S Kumar


HOD

Dr Gururaj S Kulkarni


PRINCIPAL

Dr Padmaa M Paarakh





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COURSE ON MODERNIZATION IN PHARMA MANUFACTURING TECHNIQUES


(Course Code: MPMT 2023-24)

OUTCOME REPORT

The Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru- 560068, completed course on MODERNIZATION IN PHARMA MANUFACTURING TECHNIQUES (Course Code: MPMT 2023-24). 12 students registered and the course was conducted for 10 hours. This course was designed to equip pharmacy registrants with the knowledge and skills needed to understand the importance of Modernization in Pharma manufacturing techniques so as to implement effectively in pharmaceutical research and development.

Outcomes: At the end of this course students were able to


- Develop skill for thinking creatively and innovate for contributing to the development as well as implementation of new and improved manufacturing techniques.
- Develop in-depth knowledge of modern quality assurance protocols, ensuring high standards in drug production and reducing the risk of errors.


COURSE CO-ORDINATOR

Mrs Divya S Kumar


HOD

Dr Gururaj S Kulkarni


PRINCIPAL

Dr Padmaa M Paarakh



No.69, 1st Cross, Begur Road, Hongasandra, Bengaluru - 560 068
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e-mail: pharmacyprincipal@theoxford.edu, info@theoxford.edu



COURSE ON MODERNIZATION IN PHARMA MANUFACTURING TECHNIQUES

(Course Code: MPMT 2023-24)

COMPLETION REPORT

The Department of Pharmaceutical Chemistry, The Oxford college of Pharmacy, Bengaluru, conducted a course on Modernization in Pharma Manufacturing Techniques (Course Code: MPMT 2023-24) for the academic year 2023-24. The course was intended to impart the knowledge and skills needed to leverage Modernization in Pharma manufacturing techniques in pharmaceutical research and development.

The course was started with a formal inaugural function by welcoming the Principal Dr. Padmaa M Paarakh. All the participants were introduced by Dr. Gururaj S Kulkarni, HOD, Department of Pharmaceutics. All the 12 students have attended the function. The inaugural function has been summed up with the introductory lecture by Mrs Divya S Kumar, Course Coordinator.

A total 30 hours course had been conducted on Monday and Saturday. Total 12 students were enrolled for the course. The syllabus of the certificate course had been divided into three modules. After completion of each module an internal assessment was conducted and an overall test was conducted after the completion of the course.


The final results of module I, II, III, and overall were analysed. Approximately 50% students scored grade A (marks percentage-91-100%) in all the tests followed by 16.66 % who scored grade B (marks percentage 81-90%) and 8.33% scored grade C (marks percentage-71-80%) and 8.33% scored grade D (marks percentage-61-70 %). The performance of the students in the tests were found to be excellent. Ninety-two percent of the students had scored more than 80% marks in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes if any they have.

The valedictory function has been conducted on 25/03/24 and the course participation certificate were distributed to all 12 students by the Principal Dr. Padmaa M Paarakh and Head of the Department Dr Gururaj S Kulkarni. Dr Gururaj S Kulkarni, thanked Principal madam and management for providing best infrastructure for carrying out such courses. On behalf of Department, he promised to carry out such courses in future also.

The guest of the valedictory function, Dr Padmaa M Paarakh, Principal, TOCP, Bengaluru had appreciated the enthusiasm of the students for this course and congratulated the Department of Pharmaceutics and the course coordinator Mrs Divya S Kumar for successful completion of the course.


COURSE CO-ORDINATOR

Mrs Divya S Kumar


HOD

Dr Gururaj S Kulkarni


PRINCIPAL

Dr Padmaa M Paarakh



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COURSE ON MODERNIZATION IN PHARMA MANUFACTURING TECHNIQUES

(Course Code: MPMT 2023-24)

ATTENDANCE SHEET

NAME OF THE STUDENT	DATE														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1 ANIL KUMAR R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2 ANKITHA NIDHI REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3 BINDU. K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4 C. MOHAMMED YASEEN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5 GOWDA MAHANTESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6 HAMSA C A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7 KUSHAN RAJ. P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8 MADHUCHANDRA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9 MAHESH GOWDA. B. N	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10 MANOHAR. S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11 SANJAY H K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12 UMME HABIBA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SIGNATURE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓





Children's Education Society (Regd.)

The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka)

Approved by Pharmacy Council of India, New Delhi)

COURSE ON MODERNIZATION IN PHARMA MANUFACTURING TECHNIQUES (Course Code: MPMT 2023-24)

ATTENDANCE SHEET

	NAME OF THE STUDENT DATE	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	ANIL KUMAR R	Ans	Ans	Ans	Ans	Ans	Ans	Ans	Ans	Ans	Ans	Ans	Ans	Ans	Ans	Ans
2	ANKITHA NIDHI REDDY	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
3	BINDU. K	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
4	C. MOHAMMED YASEEN	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
5	GOWDA MAHANTESH	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
6	HAMSA C A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
7	KUSHAN RAJ. P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
8	MADHUCHANDRA	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
9	MAHESH GOWDA. B. N	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
10	MANOHAR. S	Sy	Sy	Sy	Sy	Sy	Sy	Sy	Sy	Sy	Sy	Sy	Sy	Sy	Sy	Sy
11	SANJAY H K	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
12	UMME HABIBA	Sy	Sy	Sy	Sy	Sy	Sy	Sy	Sy	Sy	Sy	Sy	Sy	Sy	Sy	Sy
	SIGNATURE															



No.6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru - 560 068

Q: +91- 80 - 61754694; Fax: +91- 80 -61754699; www.theoxford.edu

e-mail: pharmacyprincipal@theoxford.edu; info@theoxford.edu;



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Anil Kumar R of M Pharm II year has undergone an Add-on course on Modernization in Pharma Manufacturing Techniques held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE CO-ORDINATOR

Mrs. DIVYA S KUMAR
Dept of Pharmaceutics
The Oxford College of
Pharmacy


HOD

Dr. Gururaj S Kulkarni
Dept of Pharmaceutics
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Bindu K of M Pharm II year has undergone an Add-on course on Modernization in Pharma Manufacturing Techniques held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE CO-ORDINATOR

Mrs. DIVYA S KUMAR
Dept of Pharmaceutics
The Oxford College of
Pharmacy


HOD

Dr. Gururaj S Kulkarni
Dept of Pharmaceutics
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Sanjay H K of M.Pharm II year has undergone an Add-on course on Modernization in Pharma Manufacturing Techniques held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE CO-ORDINATOR

Mrs. DIVYA S KUMAR
Dept of Pharmaceutics
The Oxford College of
Pharmacy


HOD

Dr. Gururaj S Kulkarni
Dept of Pharmaceutics
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



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6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Kushan Raj P of M Pharm II year has undergone an Add-on course on Modernization in Pharma Manufacturing Techniques held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE CO-ORDINATOR

Mrs. DIVYA S KUMAR
Dept of Pharmaceutics
The Oxford College of
Pharmacy


HOD

Dr. Gururaj S Kulkarni
Dept of Pharmaceutics
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKH
The Oxford College of
Pharmacy



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Umme Habiba of M.Pharm II year has undergone an Add-on course on Modernization in Pharma Manufacturing Techniques held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bengaluru, Karnataka for the academic year 2023-2024.


COURSE CO-ORDINATOR

Mrs. DIVYA S KUMAR
Dept of Pharmaceutics
The Oxford College of
Pharmacy


HOD

Dr. Gururaj S Kulkarni
Dept of Pharmaceutics
The Oxford College of
Pharmacy


PRINCIPAL

Dr. PADMAA M PAARAKHI
The Oxford College of
Pharmacy



COURSE ON ECONOMIC ASPECTS OF PHARMACEUTICAL INVENTIONS

(Course Code: EAPI 2023-24)

NOTICE

Date: 15-07-2024

To

Notice Board

To be read in the class rooms

Course Coordinator -Mrs. R. Uma Prabha,

To be filed

The Oxford College of Pharmacy, Bangalore introduces 30 hours course on “**Economic aspects of pharmaceutical inventions**” for the academic year 2023-24, for the benefit of II semester M. Pharm students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from **02th AUGUST 2024**. The classes will be conducted every Monday, Thursday, Friday and Saturday after the regular class hours. The eligibility criteria include students pursuing Pharmacy degree, that is II semester M. Pharm students. Interested students can enrol with Mrs.R. Uma Prabha, course coordinator on or before **30th July 2024**.

COURSE CO-ORDINATOR

Mrs R.Uma Prabha

HOD

Dr Gururaj S Kulkarni

P. Padma
PRINCIPAL

Dr Padmaa M Paarakh

Organizing Committee

Chairperson	Dr. Padmaa M Paarakh, Principal, TOCP, Bangalore.
HOD	Dr Gururaj S Kulkarni Department of Pharmaceutics TOCP, Bangalore.
Program Coordinator	Mrs.R.Uma Prabha Assistant Professor Department of Pharmaceutics TOCP, Bangalore

For Further Information Contact

Mrs.R.Uma Prabha
Assistant Professor
Department of Pharmaceutics
TOCP, Bangalore
Email:
christyprabha4jesus@gmail.com

THE OXFORD COLLEGE OF PHARMACY

The Oxford College of Pharmacy (TOCP) was established in 1992. TOCP under the aegis of Children's Education Society (R) offers D Pharm, B Pharm, M Pharm, Pharm D, Pharm D Post Baccalaureate and PhD Programs. TOCP is recognized by the Government of Karnataka, affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, and Drug control Board, Karnataka respectively, approved by A.I.C.T.E and Pharmacy Council of India, New Delhi. TOCP has excellent infrastructure in terms of sophisticated instruments, laboratories, lecture halls, etc.

ELIGIBILITY CRITERIA

Students Pursuing Pharmacy
Degree i.e., M. Pharm

Course On "ECONOMIC ASPECTS OF PHARMACEUTICAL INVENTIONS"



Organized by **THE OXFORD COLLEGE OF PHARMACY**

Department of Pharmaceutics
1st Main Rd, Hongasandra, Bengaluru,
Karnataka 560068

Duration: 30 hours
Late date for Registration: 30/7/2024
Date of commencement: 02/08/2024
Date of examination: After completion
of 30 hours classes

REGISTRATION

Registration Fees	NIL It is a free course offered by The Oxford College of Pharmacy Bangalore-68
Contact person for registration	Mrs.R.Uma Prabha 8889219391

STRUCTURE

- Course will be conducted for 30 hours.
- Every Monday, Thursday, Friday and Saturday after the college hours.

COURSE DESCRIPTION

The Department of Pharmaceutics TOCP , Bangalore- 560068 introduces a thirty hours certificate course on economic aspects of pharmaceutical inventions(Course Code: EAPI 2023-2024). These course covers a wide range of topics such as economic aspects of pharmaceutical inventions.

OBJECTIVES OF PROGRAM

- Reduce healthcare costs through innovative, cost-effective pharmaceuticals.
- Increase accessibility to affordable medicines, especially for underserved populations
- Enhance pharmaceutical industry profitability while maintaining social responsibility.

FINAL ASSESSMENT

Final exams will be conducted at the end of the syllabus

DURATION

Thirty hours beginning from 02-08-2024 to 30-09-2024

OUTCOME

At the end of this course students were able to:

1. Gain a comprehensive understanding of Green Pharmacy based pharmaceutical formulations.
2. Understand the principles of green chemistry and their application in developing eco-friendly pharmaceutical formulations.
3. Gain knowledge of sustainable manufacturing practices that reduce environmental hazards in drug production.
4. Learn to design pharmaceutical products that are safer for both humans and the environment, with minimized waste and pollution.

REGISTRATION PROCESS

Directly contact Course Co-Ordinator and register.



COURSE ON ECONOMIC ASPECTS OF PHARMACEUTICAL INVENTIONS

(Course Code: EAPI 2023-24)

REGISTRATION LIST

S.NO	STUDENT NAME	SIGNATURE
1	Ananya	Ananya
2	Arroju Hritik	Arroju Hritik
3	B G Shrivanya	B.G. Shrivanya
4	Chethan Sheshadri	Chethan
5	Kavya	Kavya
6	Pallavi	Pallavi
7	Sanjay	Sanjay
8	Shaikbaji	Shaikbaji
9	Soundarya	Soundarya
10	Surya	Surya
11	Priyanka	Priyanka


COURSE CO-ORDINATOR

Mrs. R. Uma Prabha


HOD

Dr. Gururaj S. Kulkarni


PRINCIPAL

Dr. Padma M. Paarakh



COURSE ON ECONOMIC ASPECTS OF PHARMACEUTICAL INVENTIONS

(Course Code: EAPI 2023-24)

SYLLABUS

MODULE	TOPIC
Module I	Investment Trends in Pharmaceutical R&D
	Venture Capital Investment in Biotech Startups
	Public Funding for Pharmaceutical Research
	Impact of Mergers and Acquisitions on R&D Investment
	Emerging Markets and R&D Investment
	Return on Investment (ROI) in Pharmaceutical R&D
	Impact of Regulatory Changes on R&D Funding
	Trends in Collaborative Research and Public-Private Partnerships
	Artificial Intelligence and Technology Investment in R&D
Investment in Personalized Medicine and Genomics	
Module II	Impact of Health Insurance on Drug Pricing
	Role of Formularies in Drug Pricing
	Negotiation Strategies Between Insurers and Pharmaceutical Companies
	Out-of-Pocket Costs for Patients
	Impact of Pharmacy Benefit Managers (PBMs)
	Government Regulations and Price Controls
	Value-Based Pricing Models
	Impact of Insurance Type on Drug Accessibility
	Patient Assistance Programs and Insurance Coverage
Impact of Specialty Drugs on Health Insurance Costs	
International Pricing Strategies and Health Insurance	
Module III	Economic Consequences of Orphan Drug Legislation
	Incentives for Rare Disease Research
	Impact on Drug Pricing for Orphan Drugs
	Market Dynamics of Orphan Drugs
	Economic Burden of Rare Diseases
	Role of Nonprofit Organizations in Orphan Drug Development
Patent Exclusivity and Market Entry	

COURSE CO-ORDINATOR

Mrs.R.Uma Prabha

Dr Gururaj S Kulkarni

PRINCIPAL

Dr Padmaa M Paarakh



COURSE ON ECONOMIC ASPECTS OF PHARMACEUTICAL INVENTIONS

(Course Code: EAPI 2023-24)

SESSION PLAN

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1	02-08-2024	FRIDAY	4:00-5:00 PM	INAGURAL & MODULE 1	Mrs.R. Uma Prabha
2	03-08-2024	SATURDAY	1:00-2:00 PM	MODULE 1	Mrs.R. Uma Prabha
3	05-08-2024	MONDAY	4:00-5:00 PM	MODULE 1	Mrs.R. Uma Prabha
4	08-08-2024	THURSDAY	4:00-5:00 PM	MODULE 1	Mrs.R. Uma Prabha
5	09-08-2024	FRIDAY	4:00-5:00 PM	MODULE 1	Mrs.R. Uma Prabha
6	10-08-2024	SATURDAY	1:00-2:00 PM	MODULE 1	Dr.Nagendra Rao
7	12-08-2024	MONDAY	4:00-5:00 PM	MODULE 1	Mrs.R. Uma Prabha
8	16-08-2024	FRIDAY	4:00-5:00 PM	MODULE 1	Mrs.R. Uma Prabha
9	17-08-2024	SATURDAY	1:00-2:00 PM	MODULE 1	Mrs.R. Uma Prabha
10	19-08-2024	FRIDAY	4:00-5:00 PM	MODULE 1	Mrs.R. Uma Prabha
11	26-08-2024	MONDAY	4:00-5:00 PM	MODULE 2	Mrs.R. Uma Prabha
12	29-08-2024	THURSDAY	4:00-5:00 PM	MODULE 2	Mrs.R. Uma Prabha
13	30-08-2024	FRIDAY	4:00-5:00 PM	MODULE 2	Mrs.R. Uma Prabha
14	31-08-2024	SATURDAY	1:00-2:00 PM	MODULE 2	Mrs.R. Uma Prabha
15	02-09-2024	MONDAY	4:00-5:00 PM	MODULE 2	Mr.R. Uma Prabha
16	05-09-2024	THURSDAY	4:00-5:00 PM	MODULE 2	Mrs.R. Uma Prabha
17	06-09-2024	FRIDAY	4:00-5:00 PM	MODULE 2	Mrs.R. Uma Prabha
18	09-09-2024	MONDAY	4:00-5:00 PM	MODULE 2	Mrs.R. Uma Prabha
19	12-09-2024	THURSDAY	4:00-5:00 PM	MODULE 2	Mrs.R. Uma Prabha
20	13-09-2024	FRIDAY	4:00-5:00 PM	MODULE 2	Mrs.R. Uma Prabha
21	14-09-2024	SATURDAY	1:00-2:00PM	MODULE 3	Mrs.R. Uma Prabha
22	19-09-2024	THURSDAY	4:00-5:00 PM	MODULE 3	Mrs.R. Uma Prabha
23	20-09-2024	FRIDAY	4:00-5:00 PM	MODULE 3	Mrs.R. Uma Prabha
24	21-09-2024	SATURDAY	1:00-2:00PM	MODULE 3	Mrs.R. Uma Prabha
25	21-09-2024	SATURDAY	3:00-4:00PM	MODULE 3	Mrs.R. Uma Prabha
26	23-09-2024	MONDAY	4:00-5:00 PM	MODULE 3	Mrs.R. Uma Prabha
27	26-09-2024	THURSADY	4:00-5:00 PM	MODULE 3	Mrs.R. Uma Prabha
28	27-09-2024	FRIDAY	4:00-5:00 PM	MODULE 3	Mrs.R. Uma Prabha
29	28-09-2024	SATURDAY	1:00-2:00PM	MODULE 3	Mrs.R. Uma Prabha
30	28-09-2024	SATURDAY	3:00-4:00PM	MODULE 3	Mrs.R. Uma Prabha
31	30-09-2024	MONDAY	4:00-5:00 PM	VALIDICTORY	Mrs.R. Uma Prabha

COURSE CO-ORDINATOR

Mrs.R.Uma Prabha

HOD

Dr Gururaj S Kulkarni

PRINCIPAL

Dr Padmaa M Paarakh



COURSE ON ECONOMIC ASPECTS OF PHARMACEUTICAL INVENTIONS

(Course Code: EAPI 2023-24)

OUTCOME REPORT

The Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bengaluru- 560068, completed course on ECONOMIC ASPECTS OF PHARMACEUTICAL INVENTIONS (Course Code: EAPI 2023-24). 11 students registered and the course was conducted for 30 hours. This course was designed to equip pharmacy registrants with the knowledge and skills needed to leverage electrochemical synthesis in their future careers, fostering innovation and sustainability in pharmaceutical research and development.

Outcomes: At the end of this course students were able to

- Gain a comprehensive understanding of electrochemical methods.
- Apply electrochemical synthesis in drug discovery and development.
- Create new drug molecules and optimize existing ones with greater efficiency and selectivity.
- Design and optimize electrochemical reactions, troubleshoot experimental issues, and interpret complex data preparing them for advanced research and professional roles in the pharmaceutical industry.

The students were satisfied and were keen to attend such programs in future.

COURSE CO-ORDINATOR

Mrs.R. Uma Prabha

HOD

Dr Gururaj S Kulkarni

PRINCIPAL

Dr Padmaa M Paarakh



Children's Education Society (Regd.)

The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka. Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka)

Approved by Pharmacy Council of India, New Delhi.

COURSE ON ECONOMIC ASPECTS OF PHARMACEUTICAL INVENTIONS

(Course Code: EAPI 2023-24)

COMPLETION REPORT

The Department of Pharmaceutics, The Oxford college of Pharmacy, Bangalore, conducted a course on ECONOMIC ASPECTS OF PHARMACEUTICAL INVENTIONS (Course Code: EAPI 2023-24) for the academic year 2023-24. The course was intended to impart the knowledge and skills needed to leverage electrochemical synthesis in their future careers, fostering innovation and sustainability in pharmaceutical research and development.

The course was started with a formal inaugural function by welcoming the Principal Dr. Padmaa M Paarakh. All the participants were introduced by Dr. Gururaj S Kulkarni, HOD, department of pharmaceutics. All the 11 students have attended the function. The inaugural function has been summed up with the introductory lecture by Mrs.R. Uma Prabha, Course Coordinator.

A total 30 hours course had been conducted on Monday, Thursday, Friday and Saturday. Total 11 students were enrolled for the course. The syllabus of the certificate course had been divided into three modules. After completion of each modules an internal assessment was conducted and an overall test was conducted after the completion of the course.

The final results of module I, II, III, and overall were analysed. Approximately 30.7% students scored grade A (marks percentage-91-100%) in all the tests followed by 55.6% who scored grade B (marks percentage81-90%) and 12.2% scored grade C (marks percentage-71-80%) and 1.5% scored grade D (marks percentage-61-70 %). The performance of the students in the tests were found to be excellent. Eighty six percent of the students had scored more than 80% marks in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes if any they have.

The valedictory function has been conducted on 30/09/24 and the course participation certificate were distributed to all 11 students by the Principal Dr. Padmaa M Paarakh and Head of the Department Dr Gururaj S Kulkarni thanked Principal madam and management for providing best infrastructure for carrying out such courses. On behalf of department, she promised to carry out such courses in future also.

The guest of the valedictory function, Dr Padmaa M Paarakh, Principal, TOCP, Bangalore had appreciated the enthusiasm of the students for this course and congratulate the Department of Pharmaceutics and the course coordinator Mrs. R. Uma Prabha for successful completion of the course.

COURSE CO-ORDINATOR

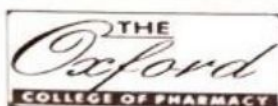
Mrs.R. Uma Prabha

HOD

Dr Gururaj S Kulkarni

PRINCIPAL

Dr Padmaa M Paarakh



No 6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru -560 068
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e-mail: pharmacyprincipal@theoxford.edu; info@theoxford.edu.



COURSE ON ECONOMIC ASPECTS OF PHARMACEUTICAL INVENTIONS
(Course Code: EAPI 2023-24)

ATTENDANCE SHEET

	NAME OF THE STUDENT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
DATE		2/8	3/8	5/8	8/8	9/8	10/8	12/8	16/8	17/8	19/8	20/8	21/8	23/8	23/8	27/8
1.	Ananya	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
2.	Arroju Hritjik	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
3.	B G Shravanya	BG	BG	BG	BG	BG	BG	BG	BG	BG	BG	BG	BG	BG	BG	BG
4.	Chethan Sheshadri	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS
5.	Kavya	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
6.	Pallavi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7.	Sanjay	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
8.	Shaikbaji	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
9.	Soundarya	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
10.	Surya	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
11.	Priyanka	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
	SIGNATURE															

COURSE CO-ORDINATOR

Mrs.R.Uma Prabha

HOD

Dr Gururaj S Kulkarni

PRINCIPAL

Dr Padmaa M Paarakh



COURSE ON ECONOMIC ASPECTS OF PHARMACEUTICAL INVENTIONS
(Course Code: EAPI 2023-24)

ATTENDANCE SHEET

NAME OF THE STUDENT	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
DATE	5/9	6/9	9/9	12/9	13/9	14/9	15/9	20/9	21/9	22/9	23/9	24/9	27/9	28/9	29/9
1. Ananya	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2. Arroju Hritjik	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3. B G Shravanya	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4. Chethan Sheshadri	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5. Kavya	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6. Pallavi	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7. Sanjay	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8. Shaikbaji	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9. Soundarya	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10. Surya	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11. Priyanka	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SIGNATURE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

COURSE COORDINATOR

Mrs.R.Uma Prabha

HOD

Dr Gururaj S Kulkarni

P. Padma

PRINCIPAL

Dr Padmaa M Paarakh



THE OXFORD COLLEGE OF PHARMACY
6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that*SANJAY*.....of *.II.SEM. M. PHARM.* has undergone a *COURSE ON ECONOMIC ASPECTS OF PHARMACEUTICAL INVENTIONS* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.

Course Coordinator

HOD

Principal

Mrs. R.Uma Prabha
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr Gururaj S Kulkarni
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



THE OXFORD COLLEGE OF PHARMACY
6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that*PALAVI*.....of *II SEM. M. PHARM.* has undergone a *COURSE ON ECONOMIC ASPECTS OF PHARMACEUTICAL INVENTIONS* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.

Course Coordinator

HOD

Principal

Mrs. R.Uma Prabha
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr Gururaj S Kulkarni
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that**KAYVA**.....of ..**D. SEM PHARMY**.. has undergone a *COURSE ON ECONOMIC ASPECTS OF PHARMACEUTICAL INVENTIONS* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.

Course Coordinator

HOD

Principal

Mrs. R.Uma Prabha
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr Gururaj S Kulkarni
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify thatB.G. SHRAYANYA.....of ...II SEM. M PHARM has undergone a *COURSE ON ECONOMIC ASPECTS OF PHARMACEUTICAL INVENTIONS* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.

Course Coordinator

HOD

Principal

Mrs. R.Uma Prabha
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr Gururaj S Kulkarni
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



THE OXFORD COLLEGE OF PHARMACY
6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify thatANANYA.....of ..II..SEM. M.PHARM has undergone a *COURSE ON ECONOMIC ASPECTS OF PHARMACEUTICAL INVENTIONS* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.


Course Coordinator


HOD


Principal

Mrs. R. Uma Prabha
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr Gururaj S Kulkarni
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



Children's Education Society (Regd.)

The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka,
Approved by Pharmacy Council of India, New Delhi)

COURSE ON PHARMA LOGISTICS – TRENDS, CHALLENGES AND OPPORTUNITIES

(Course Code: PLTCO 2023-24)

Notice

Date: 27/02/2024

To


Notice Board

To be read in the class rooms

Course Co-ordinator- Dr. Vikram. T

To be filed

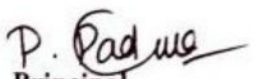
The Oxford College of Pharmacy, Bengaluru introduces a 30 hours course on Pharma logistics-Trends, challenges and opportunities for the academic year 2023-24, for the benefit of VII Sem B. Pharm students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from 5th March 2024 and will be conducted every Tuesday and Saturday after class hours. The eligibility criteria include students pursuing Pharmacy degree of VII Sem B. Pharm students. Interested students can enroll with Dr. Vikram. T, course co-ordinator on or before 4th march 2024.


Course Co-ordinator

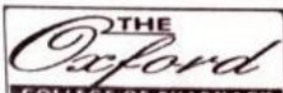
Dr. Vikram T


HOD

Dr Gururaj S Kulkarni


Principal

Dr Padmaa M. Paarakh



Organizing Committee

Chairperson	Dr. Padmaa M Paarakh, Principal, TOCP, Bangalore.
HOD	Dr Gururaj S Kulkarni Department of Pharmaceutics TOCP, Bangalore.
Program Coordinator	Dr. Vikram T Assistant Professor Department of Pharmaceutics TOCP, Bangalore

For Further Information Contact

Dr. Vikram T
Department of Pharmaceutics
TOCP, Bangalore
Email:
vikramtchoudhary4@gmail.com

THE OXFORD COLLEGE OF PHARMACY

The Oxford College of Pharmacy (TOCP) was established in 1992. TOCP under the aegis of Children's Education Society (R) offers D Pharm, B Pharm, M Pharm, Pharm D, Pharm D Post Baccalaureate and PhD Programs. TOCP is recognized by the Government of Karnataka, affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, and Drug control Board, Karnataka respectively, approved by A.I.C.T.E and Pharmacy Council of India, New Delhi. TOCP has excellent infrastructure in terms of sophisticated instruments, laboratories, lecture halls, etc.

ELIGIBILITY CRITERIA

Students Pursuing Pharmacy Degree i.e., B. Pharm students.

Course On "PHARMA LOGISTICS – TRENDS, CHALLENGES AND OPPORTUNITIES"



Organized by THE OXFORD COLLEGE OF PHARMACY

Department of Pharmaceutics
1st Main Rd, Hongasandra, Bengaluru,
Karnataka 560068

Important Dates

Duration: 30 hours
Last date for registration: 4 March 2024
Date of commencement: 5 March 2024
Planned Examination : June 2024

REGISTRATION

Registration Fees NIL
It is a free course offered by The Oxford College of Pharmacy Bangalore-68

Contact person for registration Dr. Vikram. T
9901007009

STRUCTURE

- Course will be conducted for 30 hours.
- Every Tuesday and Saturday after the college hours.

COURSE DESCRIPTION

The Department of Pharmaceutics TOCP , Bangalore- 560068 introduces a thirty hours certificate course on Pharma logistics- trends, challenges and opportunities (course code: PLTCO 2023-24). This course offers the basic knowledge Understanding the fundamentals of pharma logistics and and to understand the regulatory landscape governing pharma logistics.

OBJECTIVES OF PROGRAM

- Understand the regulatory landscape governing pharma logistics, including compliance with Good Distribution Practices (GDP) and relevant documentation.
- Understanding the fundamentals of pharma logistics Grasp the key concepts, terminologies, and components of pharmaceutical logistics within the supply chain

FINAL ASSESSMENT

Final exams will be conducted at the end of the syllabus

DURATION

Thirty hours beginning from 5th March 2024.

OUTCOME

At the end of this course students were able to:

- 1) Demonstrate a thorough understanding of the key components and functions of pharma logistics.
- 2) Apply knowledge of regulatory requirements and good distribution practices to ensure compliance in logistics operation.
- 3) To identify and assess key challenges in pharma logistics.
- 4) To recognise and evaluate potential opportunities for innovations and improvement in pharma logistics.
- 5) To employ critical thinking and problem solving skill to analyze real – world scenarios and develop actionable solutions in pharma logistics.

REGISTRATION PROCESS

Directly contact Course Co-Ordinator and register.



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The Oxford College of Pharmacy

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Approved by Pharmacy Council of India (New Delhi)

COURSE ON PHARMA LOGISTICS – TRENDS, CHALLENGES AND OPPORTUNITIES

(Course Code: PLTCO 2023-24)

REGISTRATION LIST

SL.NO	STUDENT NAME	SIGNATURE
1	RAKSHITHA S	
2	SADAF FAROOQ	
3	SAHANA H S	
4	SAMARPITA NATH	
5	SANDRA S S	
6	SANJANA R	
7	SAPNA S KUMBAR	
8	SAVITHA S	
9	SAYAK KULEY	
10	SHAIK HUMAYUN	

COURSE CO-ORDINATOR

DR. VIKRAM. T

HOD

DR GURURAJ S KULKARNI

PRINCIPAL

DR PADMAA M. PAARAKH



CHILDREN'S EDUCATION SOCIETY (REGD.)

The Oxford College of Pharmacy

(Recognized by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka)

Approved by Pharmacy Council of India, New Delhi

Impact of Global trade policies on pharma logistics
Pharmaceutical Waste Management Practices
Case Studies on successful pharma logistics strategies
Lessons learned from supply chain failure
Benchmarking Against Industry Leaders
Future trends in Pharma logistics

ve
COURSE CO-ORDINATOR

Dr. Vikram. T

GS
HOD

Dr Gururaj S Kulkarni

P. Padma
PRINCIPAL

Dr Padmaa M. Paarakh



No 6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru - 560 068
Q: +91- 80 - 61754694, Fax: +91- 80 - 61754699, www.theoxford.edu
e-mail: pharmacyprincipal@theoxford.edu, info@theoxford.edu.



COURSE ON PHARMA LOGISTICS – TRENDS, CHALLENGES AND OPPORTUNITIES
(Course Code: PLTCO 2023-24)

Session Plan

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1	5/3/2024	TUESDAY	4:30PM-5:30PM	INAUGURAL MODULE-1	Dr. Padmaa M Paarakh
2	9/3/2024	SATURDAY	1:00PM-2:00PM	MODULE-1	Dr. Vikram. T
3	12/3/2024	TUESDAY	4:30PM-5:30PM	MODULE-1	Dr. Vikram. T
4	16/3/2024	SATURDAY	1:00PM-2:00PM	MODULE-1	Dr. Vikram. T
5	19/3/2024	TUESDAY	4:30PM-5:30PM	MODULE-1	Dr. Vikram. T
6	23/3/2024	SATURDAY	1:00PM-2:00PM	MODULE-1	Dr. Vikram. T
7	26/3/2024	TUESDAY	4:30PM-5:30PM	MODULE-1	Dr. Vikram. T
8	30/3/2024	SATURDAY	1:00PM-2:00PM	MODULE-1	Dr. Vikram. T
9	2/4/2024	TUESDAY	4:30PM-5:30PM	MODULE-1	Dr. Vikram. T
10	6/4/2024	SATURDAY	1:00PM-2:00PM	MODULE-1	Dr. Vikram. T
11	13/4/2024	SATURDAY	1:00PM-2:00PM	MODULE-1	Dr. Vikram. T
12	16/4/2024	TUESDAY	4:30PM-5:30PM	MODULE-2	Dr. Vikram. T
13	20/4/2024	SATURDAY	1:00PM-2:00PM	MODULE-2	Dr. Vikram. T
14	23/4/2024	TUESDAY	4:30PM-5:30PM	MODULE-2	Dr. Vikram. T
15	27/4/2024	SATURDAY	1:00PM-2:00PM	MODULE-2	Dr. Vikram. T
16	30/4/2024	TUESDAY	4:30PM-5:30PM	MODULE-2	Dr. Vikram. T
17	4/5/2024	SATURDAY	1:00PM-2:00PM	MODULE-2	Mr. Rishav Kumar Jain
18	14/5/2024	TUESDAY	4:30PM-5:30PM	MODULE-2	Dr. Vikram. T
19	18/5/2024	SATURDAY	1:00PM-2:00PM	MODULE-2	Dr. Vikram. T
20	21/5/2024	TUESDAY	4:30PM-5:30PM	MODULE-2	Dr. Vikram. T
21	25/5/2024	SATURDAY	1:00PM-2:00PM	MODULE-2	Dr. Vikram. T

The Oxford College of Pharmacy

Recognised by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka

Approved by Pharmacy Council of India, New Delhi



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22	28/5/2024	SATURDAY	1:00PM-2:00PM	MODULE-3	Dr. Vikram. T
23	1/6/2024	TUESDAY	4:30PM-5:30PM	MODULE-3	Dr. Vikram. T
24	4/6/2024	SATURDAY	1:00PM-2:00PM	MODULE-3	Dr. Vikram. T
25	8/6/2024	TUESDAY	4:30PM-5:30PM	MODULE-3	Dr. Vikram. T
26	11/6/2024	SATURDAY	1:00PM-2:00PM	MODULE-3	Dr. Vikram. T
27	15/6/2024	TUESDAY	4:30PM-5:30PM	MODULE-3	Dr. Vikram. T
28	18/6/2024	SATURDAY	1:00PM-2:00PM	MODULE-3	Dr. Vikram. T
29	22/6/2024	TUESDAY	4:30PM-5:30PM	MODULE-3	Dr. Vikram. T
30	25/6/2024	SATURDAY	1:00PM-2:00PM	MODULE-3	Dr. Vikram. T
31	29/6/2024	TUESDAY	4:30PM-5:30PM	VALEDICTOR Y	Dr. Gururaj S Kulkarni

COURSE CO-ORDINATOR

DR. VIKRAM. T

HOB

DR GURURAJ S KULKARNI

PRINCIPAL

DR PADMAA M. PAARAKH



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The Oxford College of Pharmacy

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COURSE ON PHARMA LOGISTICS – TRENDS, CHALLENGES AND OPPORTUNITIES

(Course Code: PLTCO 2023-24)


Outcome Report

The Department of Pharmaceutics, The Oxford College of Pharmacy, Bengaluru- 560068, completed a course on Pharma logistics – Trends, Challenges and Opportunities (course code PLTCO 2023-24). 10 students were registered and the course was conducted for 30 hours. This course has helped the students to understand the basic concept of Understanding the fundamentals of pharma logistics and and to understand the regulatory landscape governing pharma logistics.

Outcome: At the end of this course students were able to:

1. Demonstrate a thorough understanding of the key components and functions of pharma logistics within the broader supply chain context.
2. Apply knowledge of regulatory requirements and good distribution practices to ensure compliance in logistics operation.
3. To identify and assess key challenges in pharma logistics.
4. To recognise and evaluate potential opportunities for innovations and improvement in pharma logistics.
5. To apply critical thinking and problem solving skill to analyze real – world scenarios and develop actionable solutions in pharma logistics.

The students were satisfied and were keen to attend such programs in future.


COURSE CO-ORDINATOR

Dr. Vikram T


HOD

Dr Gururaj S Kulkarni


PRINCIPAL

Dr Padmaa M. Paarakh

COURSE ON PHARMA LOGISTICS – TRENDS, CHALLENGES AND OPPORTUNITIES

(Course Code:PLTCO 2023-24)

Completion Report


The Department of Pharmaceutics, The Oxford college of Pharmacy, Bengaluru, conducted a course on Pharma logistics – trends, challenges and opportunities (Course Code: PLTCO 2023-24) for the academic year 2023-24. Studies on critical analysis of trends, regulatory compliency proficiency, inventory managemnet, cyber security, real time tracking , pharma supply chain.

The course was started with a formal inaugural function started by welcoming the Principal Dr.Padmaa M Paarakh. The function was conducted offline and all the participants were introduced by Dr. Vikram . T. Course Coordinator. Our Principal and Director had emphasized on the importance of doing such courses in academics as well as in future also. The inaugural function has been summed up with the introductory lecture of course coordinator Dr. Vikram. T.

A total 30 hours course had been conducted after the college hours on Tuesday and Saturday. 10 students attended the course and benefited. The syllabus of the course had been divided into three modules. After the completion of each module an internal assessment was conducted and overall test was conducted after the completion of the course. After the completion of each module the tests were assigned in the Assignment section. Approximately 72.61 % students scored grade A (marks percentage-95-100%) in all the tests followed by 8.86 % who scored grade B (marks percentage-90-94%) and % scored grade C 9.87 % (marks percentage-85-90 %) and 9.0 % scored grade D (marks percentage-75-84 %). The performance of the students in the tests were found to be excellent. About 81.47% of the students had scored more than 95% marks in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes if any they have.

The valedictory function has been conducted on 29/06/2024 and the course participation certificates were distributed to all 10 students by the Principal Dr. Padmaa M Paarakh and Head of the Department Dr Gururaj S Kulkarni. Dr Gururaj S Kulkarni thanked Principal Madam and management for providing best infrastructure for carrying out such courses. On behalf of Pharmaceutics department, he promised to carry out such courses in future also.

The guest of the valedictory function, Dr Padmaa M Paarakh, Principal, TCCP, Bengaluru had appreciated the enthusiasm of the students in this course and also thanked the Department of Pharmaceutics, and the course coordinator Dr. Vikram. T for successful completion of the course


COURSE CO-ORDINATOR

Dr. Vikram. T


HOD

Dr Gururaj S Kulkarni


PRINCIPAL

Dr. Padmaa M. Paarakh



THE OXFORD COLLEGE OF PHARMACY
6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify thatRAKSHITHA....S.....of VII SEM B.Pharm has undergone an *Course on Pharma Logistics- Trends, Challenges and Opportunities* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-24.

Course Co-ordinator

HOD

Principal

Dr. Vikram T

Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr. Gururaj S Kulkarni

Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh

The Oxford College of Pharmacy



THE OXFORD COLLEGE OF PHARMACY
6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that ...SADAF FAROOQ.....of VII SEM B.Pharm has undergone an *Course on Pharma Logistics- Trends, Challenges and Opportunities* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-24.

Course Co-ordinator

HOD

Principal

Dr. Vikram T

Dept. of Pharmaceutics

The Oxford College of Pharmacy

Dr. Gururaj S Kulkarni

Dept. of Pharmaceutics

The Oxford College of Pharmacy

Dr. Padmaa M Paarakh

The Oxford College of Pharmacy



The Oxford
COLLEGE OF PHARMACY

THE OXFORD COLLEGE OF PHARMACY
6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify thatSAHANA...HS....of VII SEM B.Pharm has undergone an *Course on Pharma Logistics- Trends, Challenges and Opportunities* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-24.

Course Co-ordinator

HOD

Principal

Dr. Vikram T

Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr. Gururaj S Kulkarni

Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh


The Oxford College of Pharmacy



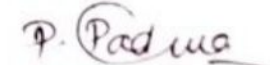
THE OXFORD COLLEGE OF PHARMACY
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PARTICIPATION CERTIFICATE

This is to certify that ...SANDRA SS....of VII SEM B.Pharm has undergone an *Course on Pharma Logistics- Trends, Challenges and Opportunities* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-24.


Course Co-ordinator


HOD


Principal

Dr. Vikram T
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr. Gururaj S Kulkarni
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



THE OXFORD COLLEGE OF PHARMACY
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PARTICIPATION CERTIFICATE

This is to certify thatSAMARPITA NATH.....of VII SEM B.Pharm has undergone an *Course on Pharma Logistics- Trends, Challenges and Opportunities* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-24.

Course Co-ordinator

HOD

Principal

Dr. Vikram T

Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr. Gururaj S Kulkarni

Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh

The Oxford College of Pharmacy



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COURSE ON SUSTAINABLE AND GREEN PHARMACY BASED PHARMACEUTICAL FORMULATIONS

(Course Code: SGPF 2023-2024)

NOTICE

Date: 01/01/2024

To

Notice Board

To be read in the class rooms

Course Coordinator - Mrs Adithi P,

To be filed

The Oxford College of Pharmacy, Bengaluru introduces 30 hours course on “**SUSTAINABLE AND GREEN PHARMACY BASED PHARMACEUTICAL FORMULATIONS**” for the academic year 2023-24, for the benefit of VII semester B. Pharm students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from 06th January 2024. The classes will be conducted every Saturday and Wednesday after the regular class hours. The eligibility criteria include students pursuing Pharmacy degree, that is VII semester B. Pharm students. Interested students can enroll with Mrs Adithi P, course coordinator on or before 04th January 2024.

COURSE CO-ORDINATOR

Mrs Adithi P

HOD

Dr Gururaj S Kulkarni

P. Padma

PRINCIPAL
Dr Padmaa M Paarakh

Organizing Committee

Chairperson	Dr. Padmaa M Paarakh, Principal, TOCP, Bengaluru.
HOD	Dr Gururaj S Kulkarni Department of Pharmaceutics TOCP, Bengaluru
Program Coordinator	Mrs. Adithi P Assistant Professor Department of Pharmaceutics TOCP, Bengaluru

For Further Information Contact

Ms Adithi P
Assistant Professor
Department of Pharmaceutics
TOCP, Bengaluru
Email: adithiniven@gmail.com

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ELIGIBILITY CRITERIA

Students Pursuing Pharmacy Degree i.e., B. Pharm VII Sem.

Course On "Regulatory for Medical Devices Requirements"



Organized by **THE OXFORD COLLEGE OF PHARMACY**

Department of Pharmaceutics
1st Main Rd, Hongasandra, Bengaluru,
Karnataka 560068

Duration: 30 hours
Late date for Registration: 04/1/2024
Date of commencement: 06/1/2024
**Date of examination: After completion of
30 hours classes**

REGISTRATION

Registration Fees	Nil It is a free course offered by The Oxford College of Pharmacy Bengaluru-68
Contact person for registration	Mrs. Adithi P 9742213555

STRUCTURE

- Course will be conducted for 30 hours.
- Every Saturday and Wednesday after the college hours.

COURSE DESCRIPTION

The Department of Pharmaceutics TOCP, Bangalore- 560068 introduces a thirty hours certificate course on Sustainable and Green Pharmacy Based Pharmaceutical Formulations (Course Code: SGPF 2023-2024). This course covers a wide range of topics such as Eco-friendly Drug development, Water and waste management in Pharmaceutics, packaging and Sustainability etc.

OBJECTIVES OF PROGRAM

- The main objective of the program is to equip the students with knowledge and skills necessary to develop eco friendly and sustainable pharmaceutical products.
- The course covers topics such as Sustainability in pharmaceutical industry, green chemistry in pharmaceutical manufacturing, energy efficiency in pharmaceutical manufacturing, environmental risk assessments, green manufacturing technologies etc.

FINAL ASSESSMENT

Final exams will be conducted at the end of the syllabus

DURATION

Thirty hours beginning from 6th January 2024.

OUTCOME

At the end of this course students were able to:

1. Gain a comprehensive understanding of Green Pharmacy based pharmaceutical formulations.
2. Understand the principles of green chemistry and their application in developing eco-friendly pharmaceutical formulations.
3. Gain knowledge of sustainable manufacturing practices that reduce environmental hazards in drug production.
4. Learn to design pharmaceutical products that are safer for both humans and the environment, with minimized waste and pollution.

REGISTRATION PROCESS

Directly contact Course Co-Ordinator and register.



Children's Education Society (Regd.)

The Oxford College of Pharmacy

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Approved by Pharmacy Council of India, New Delhi

COURSE ON SUSTAINABLE AND GREEN PHARMACY BASED PHARMACEUTICAL FORMULATIONS

(Course Code: SGPF 2023-2024)

SESSION PLAN

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1	06/1/2024	Saturday	1:30-2:30 PM	INAGURAL & MODULE 1	Mrs. Adithi P
2	10/1/2024	Wednesday	4:00-5:00 PM	MODULE 1	Mrs. Adithi P
3	13/1/2024	Saturday	1:30-2:30 PM	MODULE 1	Mrs. Adithi P
4	17/1/2024	Wednesday	4:00-5:00 PM	MODULE 1	Mrs. Adithi P
5	20/1/2024	Saturday	1:30-2:30 PM	MODULE 1	Mrs. Adithi P
6	24/1/2024	Wednesday	4:00-5:00 PM	MODULE 1	Mrs. Adithi P
7	27/1/2024	Saturday	1:30-2:30 PM	MODULE 1	Mrs. Adithi P
8	31/1/2024	Wednesday	4:00-5:00 PM	MODULE 1	Mrs. Adithi P
9	03/2/2024	Saturday	1:30-2:30 PM	MODULE 1	Mrs. Adithi P
10	07/2/2024	Wednesday	4:00-5:00 PM	MODULE 1	Mrs. Adithi P
11	10/2/2024	Saturday	1:30-2:30 PM	MODULE 2	Mrs. Adithi P
12	14/2/2024	Wednesday	4:00-5:00 PM	MODULE 2	Mrs. Adithi P
13	17/2/2024	Saturday	1:30-2:30 PM	MODULE 2	Mrs. Adithi P
14	02/3/2024	Saturday	1:30-2:30 PM	MODULE 2	Mrs. Adithi P
15	06/3/2024	Wednesday	4:00-5:00 PM	MODULE 2	Mrs. Adithi P
16	09/3/2024	Saturday	1:30-2:30 PM	MODULE 2	Mrs. Adithi P
17	13/3/2024	Wednesday	4:00-5:00 PM	MODULE 2	Mrs. Adithi P
18	16/3/2024	Saturday	1:30-2:30 PM	MODULE 3	Mrs. Adithi P
19	20/3/2024	Wednesday	4:00-5:00 PM	MODULE 3	Mrs. Adithi P
20	23/3/2024	Saturday	1:30-2:30 PM	MODULE 3	Mrs. Adithi P
21	27/3/2024	Wednesday	4:00-5:00 PM	MODULE 3	Mrs. Adithi P
22	30/3/2024	Saturday	1:30-2:30 PM	MODULE 3	Mrs. Adithi P
23	03/4/2024	Wednesday	4:00-5:00 PM	MODULE 3	Mrs. Adithi P
24	06/4/2024	Saturday	1:30-2:30 PM	MODULE 3	Mrs. Adithi P
25	13/4/2024	Saturday	1:30-2:30 PM	MODULE 3	Mrs. Adithi P
26	17/4/2024	Wednesday	4:00-5:00 PM	MODULE 3	Mrs. Adithi P
27	20/4/2024	Saturday	1:30-2:30 PM	MODULE 3	Mrs. Adithi P
28	24/4/2024	Wednesday	4:00-5:00 PM	MODULE 3	Mrs. Adithi P
29	27/4/2024	Saturday	1:30-2:30 PM	MODULE 3	Mrs. Adithi P
30	4/5/2024	Saturday	1:30-2:30 PM 2:30-3:00 PM	MODULE 3 & VALIDICTORY	Mrs. Adithi P

COURSE CO-ORDINATOR

Mrs Adithi P

HOD

Dr Gururaj S Kulkarni

P. Padma
PRINCIPAL

Dr Padmaa M Paarakh



No 6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru - 560 068

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Approved by Pharmacy Council of India, New Delhi.

COURSE ON SUSTAINABLE AND GREEN PHARMACY BASED PHARMACEUTICAL FORMULATIONS

(Course Code: SGPF 2023-2024)

REGISTRATION LIST

S.NO	STUDENT NAME	SIGNATURE
1	SHAMITHA JAIN S A	
2	SHOMOJIT DAS	
3	SHRAVYA	
4	SINCHANA URS K N	
5	SNEHA R V	
6	SNEHA BINU	
7	SONAM CHOEDON	
8	SWATHI JANA	
9	TEJASWINI N	
10	THARUN K	
11	THYAGARAJ S	
12	TRISHA LOKESH	
13	VARSHITHA A	
14	VIDYASHREE R	
15	VINOD KUMAR B G	
16	YASHASWINI M U	
17	HARDEEK K	
18	PRAVEEN A	
19	PUNEET S	
20	RAKESH KP	
21	SHYLESH	

COURSE CO-ORDINATOR

Mrs Adithi P

HOD

Dr Gururaj S Kulkarni

PRINCIPAL

Dr Padmaa M Paarakh



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COURSE ON SUSTAINABLE AND GREEN PHARMACY BASED PHARMACEUTICAL FORMULATIONS

(Course Code: SGPE 2023-2024)

SYLLABUS

MODULE	TOPIC
Module I	Introduction to Green Pharmacy
	Sustainability in the Pharmaceutical Industry
	Eco-Friendly Drug Development
	Sustainable Sourcing of Raw Materials
	Green Chemistry in Pharmaceutical Manufacturing
	Biodegradable Polymers in Drug Formulations
	Nanotechnology in Sustainable Pharmaceuticals
	Eco-friendly Excipients in Pharmaceutical Formulations
	Water Management in Pharmaceutical Manufacturing
Waste Minimization in Pharmaceutical Production	
Module II	Green Solvents in Pharmaceutical Processes
	Energy Efficiency in Pharmaceutical Manufacturing
	Pharmaceutical Packaging and Sustainability
	Carbon Footprint of Pharmaceutical Products
	Green Analytical Chemistry in Pharmaceutical Testing
	Environmental Risk Assessment of Pharmaceuticals
	Biopharmaceuticals and Sustainability
	Plant-based Pharmaceuticals
	Sustainable Clinical Trials
Pharmaceutical Waste Management	
Module III	Regulations and Standards for Green Pharmaceuticals
	Pharmaceutical Product Lifecycle and Sustainability
	Green Manufacturing Technologies
	Role of Biotechnology in Sustainable Drug Formulations
	Renewable Resources in Pharmaceutical Formulations
	Sustainable Drug Delivery Systems
	Circular Economy in Pharmaceutical Industry
	Sustainable Practices in Pharmaceutical R&D
	Consumer Awareness and Sustainable Pharmaceuticals
Future Trends in Sustainable Pharmaceuticals	

COURSE CO-ORDINATOR

Mrs Adithi P

HOD

Dr Gururaj S Kulkarni

P. Padma
PRINCIPAL

Dr Padmaa M Paarak



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ADD ON COURSE ON SUSTAINABLE AND GREEN PHARMACY BASED PHARMACEUTICAL FORMULATIONS

(Course Code: SG.PF 2023-2024)

ATTENDANCE STATEMENT

DATE	NAME OF THE STUDENT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
		6/1	10/1	13/1	17/1	20/1	24/1	27/1	31/1	3/2	7/2	10/2	14/2	17/2	23/2	31/2
1	SHAMITHA JAIN S A	Jain	Jain	Jain	Jain	Jain	Jain	Jain	Jain	Jain	Jain	Jain	Jain	Jain	Jain	Jain
2	SHOMOJIT DAS	Das	Das	Das	Das	Das	Das	Das	Das	Das	Das	Das	Das	Das	Das	Das
3	SHRAYYA	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
4	SINCHANA URS K N	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
5	SNEHA R V	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
6	SNEHA BINU	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
7	SONAM CHOEDON	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
8	SWATHI JANA	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J
9	TEJASWINI N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
10	THARUN K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
11	THYAGARAJ S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
12	TRISHA LOKESH	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
13	VARSHITHA A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
14	VIDYASHREE R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
15	VINOD KUMAR B G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
16	YASHASWINI M U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
17	HARDEEK K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
18	PRAVEEN A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
19	PUNEET S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
20	RAKESH KP	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	SHYLESH	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
	SIGNATURE	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad





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ADD ON COURSE ON SUSTAINABLE AND GREEN PHARMACY BASED PHARMACEUTICAL FORMULATIONS

(Course Code: SGPF 2023-2024)

ATTENDANCE STATEMENT

NAME OF THE STUDENT	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
DATE	9/3	13/3	16/3	20/3	23/3	27/3	30/3	3/4	6/4	13/4	17/4	20/4	24/4	27/4	4/5
1. SHAMITHA JAIN S A	Ja	Ja	Ja	Ja	Ja	Ja	Ja	Ja	Ja	Ja	Ja	Ja	Ja	Ja	Ja
2. SHOMOJIT DAS	Da	Da	Da	Da	Da	Da	Da	Da	Da	Da	Da	Da	Da	Da	Da
3. SHRAVYA	S	S	S	S	S	S	S	S	S	Ab	S	S	S	S	S
4. SINCHANA URS K N	Ab	S	S	S	S	S	S	S	S	S	S	S	S	S	S
5. SNEHA R V	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
6. SNEHA BINU	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
7. SONAM CHOEDON	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch
8. SWATHI JANA	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
9. TEJASWINI N	T	T	T	T	T	T	T	Ab	T	T	T	T	T	T	T
10. THARUN K	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK
11. THYAGARAJ S	T	T	T	T	T	T	T	Ab	T	T	T	T	T	T	T
12. TRISHA LOKESH	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
13. VARSHITHA A	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
14. VIDYASHREE R	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
15. VINOD KUMAR B G	Vk	Vk	Vk	Vk	Vk	Vk	Vk	Vk	Vk	Vk	Vk	Vk	Vk	Vk	Vk
16. YASHASWINI M U	Ab	L	L	L	L	L	L	L	L	L	L	L	L	L	L
17. HARDEEK K	Hk	Hk	Hk	Hk	Hk	Hk	Hk	Hk	Hk	Hk	Hk	Hk	Hk	Hk	Hk
18. PRAVEEN A	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa
19. PUNEET S	P	P	P	P	P	P	P	P	P	P	P	P	P	Ab	P
20. RAKESH KP	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
21. SHYLESH	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
SIGNATURE	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad



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COURSE ON SUSTAINABLE AND GREEN PHARMACY BASED PHARMACEUTICAL FORMULATIONS

(Course Code: SGPF 2023-2024)

OUTCOME REPORT

The Department of Pharmaceutics, The Oxford College of Pharmacy, Bengaluru- 560068, completed course on SUSTAINABLE AND GREEN PHARMACY BASED PHARMACEUTICAL FORMULATIONS (Course Code: SGPF 2023-2024). 21 students registered and the course was conducted for 30 hours. This course was designed to equip the students with knowledge of eco-friendly drug development practices which emphasized on minimizing environmental impact through green chemistry principles.

Outcomes: At the end of this course students were able to

- Gain a comprehensive understanding of Green Pharmacy based pharmaceutical formulations.
- Understand the principles of green chemistry and their application in developing eco-friendly pharmaceutical formulations.
- Gain knowledge of sustainable manufacturing practices that reduce environmental hazards in drug production.
- Learn to design pharmaceutical products that are safer for both humans and the environment, with minimized waste and pollution.
- Developed skills to evaluate the lifecycle of pharmaceutical products and implement strategies for sustainable use and disposal.

The students were satisfied and were keen to attend such programs in future.

COURSE CO-ORDINATOR

Mrs Adithi P

HOD

Dr Gururaj S Kulkarni

Dr Padmaa M Parakkal



No.6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru -560 068

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e-mail: pharmanoxford@theoxford.edu



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COURSE ON SUSTAINABLE AND GREEN PHARMACY BASED PHARMACEUTICAL

FORMULATIONS

(Course Code: SGPF 2023-2024)

COMPLETION REPORT

The Department of Pharmaceutics, The Oxford college of Pharmacy, Bengaluru, conducted a course on SUSTAINABLE AND GREEN PHARMACY BASED PHARMACEUTICAL FORMULATIONS (Course Code: SGPF 2023-2024) for the academic year 2023-24. The course was intended to impart the knowledge and skills needed to leverage electrochemical synthesis in their future careers, fostering innovation and sustainability in pharmaceutical research and development.

The course was started with a formal inaugural function by welcoming the Principal Dr. Padmaa M Paarakh. All the participants were introduced by Dr Gururaj S Kulkarni, HOD, department of pharmaceutics. All the 21 students have attended the function. The inaugural function has been summed up with the introductory lecture by Mrs Adithi P, Course Coordinator.

A total 30 hours course had been conducted on Saturday and Wednesday. Total 21 students were enrolled for the course. The syllabus of the certificate course had been divided into three modules. After completion of each module an internal assessment was conducted and an overall test was conducted after the completion of the course.

The final results of module I, II, III, and overall were analysed. Approximately 30.7% students scored grade A (marks percentage-91-100%) in all the tests followed by 55.6% who scored grade B (marks percentage-81-90%) and 12.2% scored grade C (marks percentage-71-80%) and 1.5% scored grade D (marks percentage-61-70 %). The performance of the students in the tests were found to be excellent. Eighty six percent of the students had scored more than 80% marks in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes if any they have.

The valedictory function has been conducted on 4/5/2024 and the course participation certificate were distributed to all 21 students by the Principal Dr. Padmaa M Paarakh and Head of the Department Dr Gururaj S Kulkarni. Dr Gururaj S Kulkarni, thanked Principal madam and management for providing best infrastructure for carrying out such courses. On behalf of department, she promised to carry out such courses in future also.

The guest of the valedictory function, Dr Padmaa M Paarakh, Principal, TOCP, Bangalore had appreciated the enthusiasm of the students for this course and congratulate the Department of Pharmaceutics and the course coordinator Mrs Adithi P for successful completion of the course.

COURSE CO-ORDINATOR

Mrs Adithi P

HOD

Dr Gururaj S Kulkarni

PRINCIPAL

Dr Padmaa M Paarakh

No.6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru -560 068
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THE OXFORD COLLEGE OF PHARMACY
6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that ...*Harideek.k.....*of ...*V.J.J. Sim.B.Pharm* has undergone a *Course on SUSTAINABLE AND GREEN PHARMACY BASED PHARMACEUTICAL FORMULATIONS* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.


Course Coordinator


HOD


Principal

Mrs. Adithi P
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr Gururaj S Kulkarni
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



THE OXFORD COLLEGE OF PHARMACY

6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that*Tharun..K.....* of*VII..Sem B.Pharm* has undergone a *Course on SUSTAINABLE AND GREEN PHARMACY BASED PHARMACEUTICAL FORMULATIONS* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.

Course Coordinator

HOD

Principal

Mrs. Adithi P

Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr Gururaj S Kulkarni

Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh

The Oxford College of Pharmacy



THE OXFORD COLLEGE OF PHARMACY

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PARTICIPATION CERTIFICATE

This is to certify that*Puneet S*.....of ...*VU. Luro. B. Pharm*...has undergone a *Course on SUSTAINABLE AND GREEN PHARMACY BASED PHARMACEUTICAL FORMULATIONS* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.


Course Coordinator


HOD


Principal

Mrs. Adithi P
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr Gururaj S Kulkarni
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



The Oxford
COLLEGE OF PHARMACY

THE OXFORD COLLEGE OF PHARMACY
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PARTICIPATION CERTIFICATE

This is to certify that*Shylsh*.....of V.II...*2nd*...*Zero.B.Pharm* has undergone a *Course on SUSTAINABLE AND GREEN PHARMACY BASED PHARMACEUTICAL FORMULATIONS* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.

Adithi
Course Coordinator

[Signature]
HOD

P. Padma
Principal

Mrs. Adithi P
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr Gururaj S Kulkarni
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that*SNEHA.R.V.*.....of *.VII. Sem B.Pharm* has undergone a *Course on SUSTAINABLE AND GREEN PHARMACY BASED PHARMACEUTICAL FORMULATIONS* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.

Adithi
Course Coordinator

Gururaj S Kulkarni
HOD

P. Padma
Principal

Mrs. Adithi P
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr Gururaj S Kulkarni
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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COURSE ON DIGITAL THERAPEUTICS AND SMART DDS.

(Course Code: DTSD 2023-24)

NOTICE

Date: 01-08-2024

To

Notice Board

To be read in the class rooms

Course Coordinator -Mrs. Neethu K C

To be filed

The Oxford College of Pharmacy, Bengaluru introduces 30 hours course on "**Digital Therapeutics and Smart DDS**" for the academic year 2023-24, for the benefit of IV Pharm D students. This course is offered at no cost. There is no academic credit offered for this course. The total duration of this course is 30 hours. The classes for the course will start from 5th August 2024. The classes will be conducted every Wednesday and Saturday after the regular class hours. The eligibility criteria include students pursuing a Doctor of Pharmacy (Pharm D) degree. Interested students can enroll with Mrs. Neethu K C, course coordinator on or before 4th August 2024.


COURSE CO-ORDINATOR

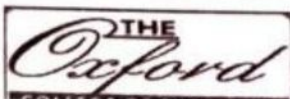
Mrs Neethu K C


HOD

Dr Gururaj S Kulkarni


PRINCIPAL

Dr Padma M Paarakh



Organizing Committee

Chairman Dr. Padmaa M Paarakh,
Principal,
TOCP, Bengaluru.

HOD Dr. Dr Gururaj S Kulkarni,
HOD, Department of
Pharmaceutics
TOCP, Bengaluru.

Program
Coordinators Mrs. Neethu K C,
Assistant professor,
Department of Pharmaceutics
TOCP, Bengaluru.

For Further Information Contact

Mrs. Neethu K C
Assistant Professor
Department of Pharmaceutics
TOCP, Bengaluru
Email: neethukc.kc8@gmail.com

THE OXFORD COLLEGE OF PHARMACY

The Oxford College of Pharmacy (TOCP) was established in 1992. TOCP under the aegis of Children's Education Society (R) offers D Pharm, B. Pharm, M. Pharm, Pharm. D, and Pharm. D (Post Baccalaureate) programs. TOCP is recognized by the Government of Karnataka, affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, and Drug Control Board, Karnataka respectively, and Pharmacy Council of India, New Delhi. TOCP has excellent infrastructure in terms of sophisticated instruments, laboratories, lecture halls, etc.

ELIGIBILITY CRITERIA

Students Pursuing Pharm. D

Course On "DIGITAL THERAPEUTICS AND SMART DDS"



Organized by **THE OXFORD COLLEGE OF PHARMACY**

Department of Pharmaceutics
1st Main Rd, Hongasandra,
Bengaluru, Karnataka 560068

Duration: 30 hours
Late date for Registration:
04/08/2024
Date of commencement: 05/08/2024
Date of examination: After
completion of 30 hours classes

REGISTRATION

Registration Fees NIL
It is a free course offered by
The Oxford College of
Pharmacy Bengaluru-68

Contact person for registration Mrs Neethu K C
9731546598

STRUCTURE

- Course will be conducted for 30 hours.
- The Course will be conducted every Wednesday and Saturday after college hours.

COURSE DESCRIPTION

The Department of Pharmaceutics TOCP , Bengaluru introduces a thirty hours certificate course on DIGITAL THERAPEUTICS AND SMART DDS (Course Code: DTSD 2023-24). This course offers pharmacy registrants with the knowledge of digital therapeutics and skills needed to leverage smart drug delivery systems.

OBJECTIVES OF PROGRAM

- The course provides the knowledge about the digital therapeutics.
- This course will equip pharmacy registrants with the knowledge and skills needed to leverage smart drug delivery systems
- It provide the students with a comprehensive understanding of digital therapeutics and smart drug delivery systems its relevance to pharmaceutical sciences

FINAL ASSESSMENT

Final exams will be conducted at the end of the syllabus .

DURATION

- Thirty hours.

OUTCOME

- Gain a comprehensive understanding of digital therapeutics.
- Apply digital therapeutics in the development of personalized treatments and patient-centered healthcare.
- Leverage smart drug delivery systems
- Create innovative and optimize smart drug delivery mechanisms for greater efficacy and precision. The students were satisfied and were keen to attend such programs in future.

REGISTRATION PROCESS

- Contact your course coordinators and register.



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COURSE ON DIGITAL THERAPEUTICS AND SMART DDS

(Course Code: DTSD 2023-24)

REGISTRATION LIST

S.NO	STUDENT NAME	SIGNATURE
1	MOLUNZANG AIER	Molungzang
2	HARSHDEEP SARVA	Harshdeep
3	KATHIRMANI RAJA S	Kathirmani Raja. S.
4	ZOMBARKAR MUSKAN	Zombarkar.
5	ABIGAIL N MOZHUI	Abigail
6	ANIRBAN DEBNATH	Anirban Debnath
7	ASHISH ABHRAHAM	Ashish
8	DEBJIT BHAKAT	Debjit B
9	DEEPTI CHOUDHARY	Deepthi
10	DIMPLE G	Dimple
11	GANANESWAR RAO S	Ganeshwar
12	HEMA NS	Hema
13	KEERTHANA C	Keerthana
14	PADMASHREE M	Padmasree
15	RANJITHA REDDY S	Ranjitha
16	SHASHIKALA D M	Shashikala
17	SHERLIN HEPZIBAH S	Sherlin
18	SHUBHASHINI N	Shubhashini
19	SYED ALSABA HUSSAINI	Syed Hussaini
20	TINA LALLY	Tina Lally
21	VINISHA R	Vinisha R

Neethu
COURSE CO-ORDINATOR
Mrs Neethu K C

Gururaj S Kulkarni
HOD
Dr Gururaj S Kulkarni

Padma
PRINCIPAL
Dr Padmaa M Paarakh



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COURSE ON DIGITAL THERAPEUTICS AND SMART DDS

(Course Code: DTSD 2023-24)

SESSION PLAN

SL.NO	DATE	DAY	TIME	MODULE	FACULTY
1	05-08-2024	SATURDAY	1:30-2:30 PM	INAGURAL & MODULE 1	Mrs. Neethu K C
2	05-08-2024	SATURDAY	2:30-3:30 PM	MODULE 1	Mrs. Neethu K C
3	07-08-2024	WEDNESDAY	4:00-5:00 PM	MODULE 1	Mrs. Neethu K C
4	10-08-2024	SATURDAY	1:30-2:30 PM	MODULE 1	Mrs. Neethu K C
5	10-08-2024	SATURDAY	2:30-3:30 PM	MODULE 1	Mrs. Neethu K C
6	14-08-2024	WEDNESDAY	4:00-5:00 PM	MODULE 1	Mrs. Neethu K C
7	17-08-2024	SATURDAY	1:30-2:30 PM	MODULE 1	Mrs. Neethu K C
8	17-08-2024	SATURDAY	2:30-3:30 PM	MODULE 1	Mrs. Neethu K C
9	21-08-2024	WEDNESDAY	4:00-5:00 PM	MODULE 1	Mrs. Neethu K C
10	24-08-2024	SATURDAY	1:30-2:30 PM	MODULE 1	Mrs. Neethu K C
11	24-08-2024	SATURDAY	1:30-2:30 PM	MODULE 2	Mrs. Neethu K C
12	28-08-2024	WEDNESDAY	4:00-5:00 PM	MODULE 2	Mrs. Neethu K C
13	31-08-2024	SATURDAY	1:30-2:30 PM	MODULE 2	Mrs. Neethu K C
14	31-08-2024	SATURDAY	2:30-3:30 PM	MODULE 2	Mrs. Neethu K C
15	04-09-2024	WEDNESDAY	4:00-5:00 PM	MODULE 2	Mrs. Neethu K C
16	21-09-2024	SATURDAY	1:30-2:30 PM	MODULE 2	Mrs. Neethu K C
17	21-09-2024	SATURDAY	2:30-3:30 PM	MODULE 2	Mrs. Neethu K C
18	25-09-2024	WEDNESDAY	4:00-5:00 PM	MODULE 2	Mrs. Neethu K C
19	28-09-2024	SATURDAY	1:30-2:30 PM	MODULE 2	Mrs. Neethu K C
20	28-09-2024	SATURDAY	2:30-3:30 PM	MODULE 2	Mrs. Neethu K C
21	05-10-2024	SATURDAY	1:30-2:30 PM	MODULE 3	Mrs. Neethu K C
22	05-10-2024	SATURDAY	2:30-3:30 PM	MODULE 3	Mrs. Neethu K C
23	09-10-2024	WEDNESDAY	4:00-5:00 PM	MODULE 3	Mrs. Neethu K C
24	16-10-2024	WEDNESDAY	4:00-5:00 PM	MODULE 3	Mrs. Neethu K C
25	19-10-2024	SATURDAY	1:30-2:30 PM	MODULE 3	Mrs. Neethu K C
26	19-10-2024	SATURDAY	2:30-3:30 PM	MODULE 3	Mrs. Neethu K C
27	23-10-2024	WEDNESDAY	4:00-5:00 PM	MODULE 3	Mrs. Neethu K C
28	26-10-2024	SATURDAY	1:30-2:30 PM	MODULE 3	Mrs. Neethu K C
29	26-10-2024	SATURDAY	2:30-3:30 PM	MODULE 3	Mrs. Neethu K C
30	30-10-2024	WEDNESDAY	4:00-5:30 PM	MODULE 3/VALIDICTORY	Mrs. Neethu K C

Neethu
COURSE CO-ORDINATOR

Mrs Neethu K C

Gururaj S Kulkarni
HOD

Dr Gururaj S Kulkarni

P. Padma
PRINCIPAL

Dr Padmaa M Paarakh



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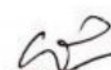
COURSE ON DIGITAL THERAPEUTICS AND SMART DDS

(Course Code: DTSD 2023-24)

SYLLABUS

MODULE	TOPIC
Module I	Introduction of Digital Therapeutics
	Differences between digital health, digital medicine and digital therapeutics
	Evolution of digital therapeutics
	Growing Interest in Digital Therapeutics (DTx)
	Different types of DTx
	Major Therapeutic Areas in Digital Therapeutics (DTx)
	Clinical trials of digital therapeutics
	Changes in the regulatory framework
	Commercialization of digital therapeutics
	Challenges to the Adoption of Digital Therapeutics (DTx)
Module II	Introduction to smart drug delivery systems
	Importance of Smart Drug Delivery System
	Properties of Smart Drug Delivery Systems
	Stimuli-responsive SDDS
	Temperature-responsive SDDS
	Redox-responsive drug delivery system
	pH-responsive systems
	Enzyme-responsive drug delivery systems
	Magnetic-responsive drug delivery systems
	Light and US responsive
Other responsive systems	
Stimuli-Responsive Drug Delivery Systems Under Clinical Investigation	
Module III	Smart nanoscale DDS
	Polymeric nanoparticles
	Liposomes
	Organic-inorganic hybrid smart nanoparticles
	Exosomes
	Application of Smart Drug Delivery Systems
Challenges of Smart Drug Delivery Systems	


COURSE CO-ORDINATOR
Mrs Neethu K C


HOD
Dr Gururaj S Kulkarni


PRINCIPAL
Dr Padmaa M Paarakh



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COURSE ON DIGITAL THERAPEUTICS AND SMART DDS

(Course Code: DTSD 2023-24)


COMPLETION REPORT

The Department of Pharmaceutics at The Oxford College of Pharmacy, Bangalore, organized a course on **Digital Therapeutics and Smart Drug Delivery Systems (Course Code: DTSD 2023-24)** during the academic year 2023-24. This course was designed to equip students with the knowledge and skills necessary to apply digital therapeutics and advanced smart DDS technologies in their future pharmaceutical careers, driving innovation and improving therapeutic outcomes.

The course commenced with an inaugural session, where the Principal, **Dr. Padmaa M Paarakh**, was formally welcomed. **Dr. Gururaj S Kulkarni**, Head of the Pharmaceutics Department, introduced the participants to the event, with 21 students in attendance. The opening session concluded with an introductory lecture delivered by the Course Coordinator, **Mrs. Neethu K C**. Spanning a total of 30 hours, the course was conducted on **Wednesdays and Saturdays**, with 21 students enrolled. The syllabus was divided into three comprehensive modules. After the completion of each module, an internal assessment was conducted, followed by a final examination at the end of the course.

The final results of module I, II, III, and overall were analysed. Approximately 28.58% students scored grade A (marks percentage 91-100%) in all the tests followed by 47.66% who scored grade B (marks percentage 81-90%) and 23.81% scored grade C (marks percentage 71-80%). The performance of the students in the tests were found to be excellent. Seventy six percent of the students had scored more than 80% marks in all the tests. Students had shown keen interest in attending and learning the concepts and the doubts were also clarified after the classes if any they have.

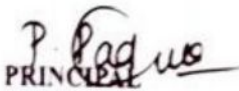
The valedictory ceremony took place on 30/10/24, during which participation certificates were awarded to all 21 students by the Principal, **Dr. Padmaa M Paarakh**, and the Head of the Department, **Dr. Gururaj S Kulkarni**. Dr. Gururaj S Kulkarni expressed gratitude to the Principal and the management for providing the infrastructure needed to conduct such enriching courses. On behalf of the department, she also assured the continuation of similar programs in the future. In her address at the valedictory function, **Dr. Padmaa M Paarakh** congratulated the students for their dedication to the course and commended the Department of Pharmaceutics, as well as the Course Coordinator, **Mrs. Neethu K C**, for the successful completion of the program.


COURSE CO-ORDINATOR

Mrs Neethu K C


HOB

Dr Gururaj S Kulkarni


PRINCIPAL

Dr Padmaa M Paarakh



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COURSE ON DIGITAL THERAPEUTICS AND SMART DDS

(Course Code: DTSD 2023-24)

OUTCOME REPORT


21

The Department of Pharmaceutics, The Oxford College of Pharmacy, Bengaluru- 560068, completed course on DIGITAL THERAPEUTICS AND SMART DDS. (Course Code: DTSD 2023-24). 30 students registered and the course was conducted for 30 hours. This course focused on equipping pharmacy registrants with the skills to innovate and ensure sustainability in pharmaceutical research and development through digital therapeutics and smart DDS.

Outcomes: At the end of this course students were able to

- Gain a comprehensive understanding of digital therapeutics.
- Apply digital therapeutics in the development of personalized treatments and patient-centered healthcare.
- Leverage smart drug delivery systems
- Create innovative and optimize smart drug delivery mechanisms for greater efficacy and precision.

The students were satisfied and were keen to attend such programs in future.


COURSE CO-ORDINATOR

Mrs Neethu K C


HOD

Dr Gururaj S Kulkarni

PRINCIPAL

Dr Padmaa M Paarakh



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COURSE ON DIGITAL THERAPEUTICS AND SMART DDS

(Course Code: DTSD 2023-24)

ATTENDANCE SHEET

NAME OF THE STUDENT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
DATE	5/8	5/8	7/8	10/8	10/8	14/8	17/8	17/8	21/8	24/8	24/8	28/8	31/8	31/8	04/9
1. MOLUNZANG AIER	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
2. HARSHDEEP SARVA	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
3. KATHIRMANI RAJA S	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
4. ZOMBARKAR MUSKAN	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
5. ABIGAIL N MOZHUI	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
6. ANIRBAN DEBNATH	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
7. ASHISH ABHRAHAM	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
8. DEBJIT BHAKAT	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
9. DEEPTI CHOUDHARY	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10. DIMPLE G	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
11. GANANESWAR RAO S	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
12. HEMA NS	H	H	H	H	H	H	H	H	H	H	H	A	H	H	H
13. KEERTHANA C	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
14. PADMASHREE M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15. RANJITHA REDDY S	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
16. SHASHIKALA D M	S	S	S	A	S	S	S	S	S	S	S	S	S	S	S
17. SHERLIN HEPZIBAH S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
18. SHUBHASHINI N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
19. SYED ALSABA HUSSAINI	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
20. TINA LALLY	T	T	T	T	T	T	T	T	T	T	T	A	T	T	T
21. VINISHA R	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
SIGNATURE															



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COURSE ON DIGITAL THERAPEUTICS AND SMART DDS

(Course Code: DTSD 2023-24)

ATTENDANCE SHEET

NAME OF THE STUDENT	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
DATE	21/9	22/9	23/9	24/9	25/9	5/10	5/10	9/10	16/10	19/10	19/10	23/10	26/10	26/10	26/10
1. MOLUNZANG AIER	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
2. HARSHDEEP SARVA	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
3. KATHIRMANI RAJA S	K	A	K	K	K	K	K	K	K	K	K	K	K	K	K
4. ZOMBARKAR MUSKAN	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
5. ABIGAIL N MOZHUI	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
6. ANIRBAN DEBNATH	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
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11. GANANESWAR RAO S	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
12. HEMA NS	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
13. KEERTHANA C	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
14. PADMASHREE M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15. RANJITHA REDDY S	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
16. SHASHIKALA D M	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
17. SHERLIN HEPZIBAH S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
18. SHUBHASHINI N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
19. SYED ALSABA HUSSAINI	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
20. TINA LALLY	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
21. VINISHA R	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
SIGNATURE															



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PARTICIPATION CERTIFICATE

This is to certify that DEEPTI CHOUDHARY of B.Pharm has undergone a *Course on **DIGITAL THERAPEUTICS AND SMART DDS*** held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.


Course Coordinator

Mrs. Neethu K C
Dept. of Pharmaceutics
The Oxford College of Pharmacy


HOD

Dr. Gururaj S Kulkarni
Dept. of Pharmaceutics
The Oxford College of Pharmacy


Principal

Dr. Padmaa M Poojakk
The Oxford College of Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that *ASHISH ABRAHAM.....* of *B.Pharm.D....* has undergone a *Course on DIGITAL THERAPEUTICS AND SMART DDS* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.


Course Coordinator


HOD


Principal

Mrs. Neethu K C
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr Gururaj S Kulkarni
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

PARTICIPATION CERTIFICATE

This is to certify that *HE.MA....N.S.....* of *IV.PHARM.D..* has undergone a *Course on DIGITAL THERAPEUTICS AND SMART DDS* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.

Neethu
Course Coordinator

Gururaj S Kulkarni
HOD

Padmaa M Paarakh
Principal

Mrs. Neethu K C
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr Gururaj S Kulkarni
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The Oxford College of Pharmacy

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Neethu
Course Coordinator

Gururaj S Kulkarni
HOD

Padma
Principal

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Dr Gururaj S Kulkarni
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy



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PARTICIPATION CERTIFICATE

This is to certify that *KEERTHANA...C.....* of *.IV...PHARM.D..* has undergone a *Course on DIGITAL THERAPEUTICS AND SMART DDS* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.


Course Coordinator


HOD


Principal

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PARTICIPATION CERTIFICATE

This is to certify that *JINA...LALLY.....* of *IV..PHARM.D...* has undergone a *Course on DIGITAL THERAPEUTICS AND SMART DDS* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2023-2024.


Course Coordinator


HOD


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Dr Gururaj S Kulkarni
Dept. of Pharmaceutics
The Oxford College of Pharmacy

Dr. Padmaa M Paarakh
The Oxford College of Pharmacy