

**B. K. BIRLA COLLEGE OF ARTS, SCIENCE AND COMMERCE (AUTONOMOUS),
KALYAN**

CERTIFICATE COURSE



B. K. BIRLA COLLEGE (Autonomous), KALYAN

DEPARTMENT OF BIOANALYTICAL SCIENCES

Certificate Course on Analytical Techniques in Drug Evaluation

Term I (2020-21)

Outline of course (2 Credits- 30 Hrs.)

Sr. No.	Name of Instrument	Content
1	High Performance Liquid Chromatography (HPLC)	<ul style="list-style-type: none">• Introduction on Instrument – Its Principle, instrumentation, working, Software, Applications, Advantage, Disadvantage, Troubleshooting, Simple eggs, and explanation in detail.• Working demonstration of instruments• Hands on Training (practical Performance) on Instrument and Software handling
2	Gas Chromatography (GC)	
3	Flame Photometer	
4	Atomic Absorption Spectrophotometer (AAS)	

Course Outcome

- Define and explain principles of basic chromatography and Spectroscopy
- Explain and compare types of Chromatographic and spectroscopic techniques used in drug evaluation.
- Describe and illustrate Detailed hardware and working of analytical techniques like HPLC , GC, Flame Photometry and AAS.
- Analyse and understand practical application of all he mentioned techniques

B. K. BIRLA COLLEGE (Autonomous), KALYAN
DEPARTMENT OF BIOANALYTICAL SCIENCES

CERTIFICATE COURSE ON
ANALYTICAL TECHNIQUES IN DRUG EVALUATION

Highlights:

- No registration fees
- Limited number of students per batch
- Learn from the trained analysts
- Extensive training on basic to advanced techniques in Chromatography and spectroscopy

Platform: Microsoft Teams

Last date of registration : 5th July 2020

For Registration visit our website :

<https://www.bkbirlacollegekalyan.com>

For queries, Contact : [sonali.patil@bkbirlacollegekalyan.com/](mailto:sonali.patil@bkbirlacollegekalyan.com)

shruti.shah@bkbirlacollegekalyan.com



B. K. BIRLA COLLEGE (Autonomous), KALYAN

DEPARTMENT OF BIOANALYTICAL SCIENCES

Certificate Course on EHS Concerns related to Analytical Laboratories

Term II (2020-21)

Outline of course (2 Credits- 30 Hrs.)

Sr. No.	Name of Instrument	Content
	<ol style="list-style-type: none">1. Strategies to reduce environmental impact of Bioanalytical laboratory2. Standards of Laboratory Safety (Including Biosafety Levels)3. Overview of guidelines for laboratories handling Radioactive substances4. Introduction to ISO 14001 and OSHAS 18001.5. Introduction to Environment Impact Assessment & Reporting6. Biodiversity: Red Data Book, Endemic and endangered Medicinal Plant7. Species, Conservation and sustainable use of medicinal raw materials,8. Introduction to Wildlife Act of India & CITES9. Carbon footprints and Carbon credits.	30 Hrs.

Course Outcome

- Define and explain importance of Environment , Health and Safety
- Explain standards of laboratory safety.
- Describe and illustrate procedure for Environment audit.
- Analyse and understand importance and calculations of carbon credits and footprints for any industry



B. K. BIRLA COLLEGE (Autonomous), KALYAN

Department of Bioanalytical Sciences

Certificate Course

in

EHS concerns related to Analytical Laboratory

Prominent benefits of a certificate course:

- Designed as per the current market needs.
- Expanded horizon of opportunities.
- Opportunity to interact with industry experts.

**Free Registration
Flexible Lecture
timings**

Platform: Microsoft Teams

Last date of registration : 26th February 2021

Registration link :

https://docs.google.com/forms/d/e/1FAIpQLSeeFuARyLYCux2ExzIPbxoI08iOJ9_Z69P5Oh6kRkpVSOZdA/viewform?usp=sf_link

Contact Details : Dr. Sonali Patil -9768837968, Ms. Shruti Shah -9867123500

Sr. No.	Name of Student
1	Wakode Prabuddha
2	Bhere Kajol
3	Gupta Prajwal
4	Kendle Ashwini
5	Mhatre Sandesh
6	Nair Rohita
7	Gaikwad Manasi
8	Bhoir Ankita
9	Mane Sayali
10	Tripathi Amit
11	Bhagat Diksha
12	Tripathi Yogesh
13	Suryawanshi Chetna
14	Warude Nikita
15	Jha Suman
16	Bhoir Ketan
17	Paswan Reshma
18	Marwadi Saraswati
19	Khan Mahera
20	Shaikh Afsana
21	Prasad Sushma
22	Upadhyay Kajal

B.K.Birla College Of Arts,Science& Commerce (Autonomous), Kalyan

Bioanal

List of Students Registered for Certifucate Course (2020-21)

Certificate Course Name : Analytical Techniques in Drug

	Date	04-12-2020	05-12-2020	11-12-2020	12-12-2020	18-12-2020	19-12-2020	02-01-2021	08-01-2021	09-01-2021	16-01-2021
Sr. No.	Name of Student										
1	Wakode Prabuddha	A	P	P	P	A	A	P	P	P	A
2	Bhere Kajol	P	P	P	A	P	P	P	P	A	P
3	Gupta Prajwal	A	P	P	A	A	A	P	P	A	A
4	Kendle Ashwini	P	P	P	A	P	P	P	P	A	P
5	Mhatre Sandesh	P	A	P	P	P	P	A	P	P	P
6	Nair Rohita	P	P	P	A	P	P	P	P	A	P
7	Gaikwad Manasi	P	P	A	P	P	P	P	A	P	P
8	Bhoir Ankita	P	A	P	A	P	P	A	P	A	P
9	Mane Sayali	A	P	P	P	P	A	P	P	P	P
10	Tripathi Amit	P	P	P	P	A	P	P	P	P	A
11	Bhagat Diksha	A	P	A	P	P	A	P	A	P	P
12	Tripathi Yogesh	P	P	A	P	P	P	P	A	P	P
13	Suryawanshi Chetna	P	A	P	P	P	P	A	P	P	P
14	Warude Nikita	P	P	A	P	A	P	P	A	P	A
15	Jha Suman	P	A	P	P	P	P	A	P	P	P
16	Bhoir Ketan	P	P	A	P	P	P	P	A	P	P
17	Paswan Reshma	P	A	P	A	P	P	A	P	A	P
18	Marwadi Saraswati	P	P	P	P	A	P	P	P	P	A
19	Khan Mahera	A	P	P	P	A	A	P	P	P	A
20	Shaikh Afsana	P	P	P	A	P	P	P	P	A	P
21	Prasad Sushma	A	P	P	A	A	A	P	P	A	A
22	Upadhyay Kajal	P	P	P	A	P	P	P	P	A	P





B.K BIRLA COLLEGE OF ARTS, SCIENCE AND COMMERCE (AUTONOMOUS), KALYAN

CERTIFICATE

of participation

This Certificate Is Presented To :

Wakode Prabuddha

For completing Certificate Course on ' Analytical Techniques in Drug Evaluation ', organized by Department of Bioanal for the year 2020-21.

Dr. Avinash Patil
Principal



Dr. Sonali Patil
head of department



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This Certificate Is Presented To :

Bhere Kajol

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Principal



Dr. Sonali Patil
head of department



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This Certificate Is Presented To :

Gupta Prajwal

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Principal



Dr. Sonali Patil
head of department



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This Certificate Is Presented To :

Kendle Ashwini

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Principal



Dr. Sonali Patil
head of department



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This Certificate Is Presented To :

Mhatre Sandesh

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Dr. Avinash Patil
Principal



Dr. Sonali Patil
head of department



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This Certificate Is Presented To :

Nair Rohita

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Principal



Dr. Sonali Patil
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This Certificate Is Presented To :

Gaikwad Manasi

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A handwritten signature in blue ink, likely belonging to Dr. Avinash Patil.

Dr. Avinash Patil
Principal



A handwritten signature in blue ink, likely belonging to Dr. Sonali Patil.

Dr. Sonali Patil
head of department



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This Certificate Is Presented To :

Bhoir Ankita

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Principal



Dr. Sonali Patil
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Mane Sayali

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Dr. Sonali Patil
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This Certificate Is Presented To :

Tripathi Amit

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Dr. Avinash Patil
Principal



Dr. Sonali Patil
head of department



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This Certificate Is Presented To :

Bhagat Diksha

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Principal



Dr. Sonali Patil
head of department



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This Certificate Is Presented To :

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Dr. Sonali Patil
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This Certificate Is Presented To :

Suryawanshi Chetna

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Principal



Dr. Sonali Patil
head of department



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This Certificate Is Presented To :

Warude Nikita

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Dr. Avinash Patil
Principal



Dr. Sonali Patil
head of department



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This Certificate Is Presented To :

Jha Suman

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A handwritten signature in blue ink, likely belonging to Dr. Avinash Patil.

Dr. Avinash Patil
Principal



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Paswan Reshma

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Dr. Sonali Patil
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This Certificate Is Presented To :

Marwadi Saraswati

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Dr. Sonali Patil
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This Certificate Is Presented To :

Khan Mahera

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Dr. Avinash Patil
Principal



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Shaikh Afsana

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Principal



Dr. Sonali Patil
head of department