# Presents Certificate Course in Gas Chromatography

**Academic Year: 2022-23** 

## **Certificate course in Gas Chromatography**

**Duration:** 40 hours

<u>Aim:</u> To study gas chromatography techniques. (Theoretical and Lab work)

### **Features of the course:**

- Specially designed to give hands on training.
- Customized for the industry.
- Delivered by experts from the industry.

## **Objectives:**

- To identify instrumental components and
- To develop skills of handling various analytical instruments.

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## **Eligibility:**

Any science students having chemistry as a subject.

## **Certificate Course in Gas Chromatography**

## Report 2022-2023

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## **Proposal**

26<sup>th</sup> June, 2019

To,
The Principal
Sonopant Dandekar Arts, V.S. Apte Commerce
And M.H. Mehta Science College,
Palghar

Herrore / 2019

Subject: Approval for Certificate Course in Gas Chromatography

Respected Sir,

For developing instrumental skills in students, we have designed a certificate course in Gas Chromatography for T.Y.B.Sc. and M.Sc. students in collaboration with Aarti Labs. The course is designed to provide a platform to students which will avail their instrumental skills in handling gas chromatography. This training will close the employment gap between academic and industry. The details are provided along with this letter. I request you to kindly grant the permission to start this course.

Thanking you.

Yours faithfully,

Dr. Suhas Janwadka

Head, Department of Chemistry

## **MOU**

## DRAFT MEMORANDUM OF UNDERSTANDING (MOU)

## Between

Sonopant Dandekar Shikshan Mandali's

## SONOPANT DANDEKAR ARTS, VAMAN SHRIDHAR APTE COMMERCE, M.H. MEHTA SCIENCE COLLEGE, PALGHAR [PARTY OF THE FIRST PART]

## And

## AARTI LABS [PARTY OF THE SECOND PART]

This MEMORANDUM OF UNDERSTANDING between Sonopant Dandekar Shikshan Mandali's Sonopant Dandekar Arts, Vaman Shridhar Apte Commerce, M.H. Mehta Science College, Palghar, herein after called as "PARTY OF THE FIRST PART" and AARTI LABS herein after called "PARTY OF THE SECOND PART".

Certificate course in GAS CHROMATOGRAPHY

## PURPOSE & SCOPE

This MOU aims to clearly identify the roles and responsibilities of each PARTY of the first parts they relate to a course named "CERTIFICATE COURSE GAS CHROMATOGRAPHY".

## In particular, this MOU is intended to:

The objective of this MOU is to express the willingness of both parties to engage in an effort to start a certified course in handson training on gas chromatography through collaborative activities in the areas of training, and education to enhance safe and effective operations in chemical industries and applied research

## II. GENERAL TERMS OF MOU

## 2.1 PROGRAM HIGHLIGHTS:

- Tremendous career opportunities in the Pharmaceutical or Chemical Industry with lucrative Salaries.
- Excellent growth prospects, Industry-focused curriculum.
- Full hands on experience on advance analytical instrument and training as per Industrial Standards.

Certificate Course in GAS CHROMATOGRAPHY

## 2.2 METHOD OF DELIVERY:

Theory Lectures through presentations

Workshops / Assignments / Expert Guest lectures

A clear presentation of training objectives at the beginning of each session Soft skill development programs - Exploration of personal attitudes.

Demonstration using reliable sources and Hands-on training on each and every instrument.

### ELIGIBILITY:

Third year B.Sc. / M.Sc. Chemistry, Botany, Biochemistry, Microbiology, Life Science, Zoology, Biotechnology, Bachelor of Pharmacy, and Master of Pharmacy.

## **RESOURCES:**

Well-equipped lab, Library, and industrial resource persons.

## **EVALUATION:**

Continuous Evaluation during the course theory as well as practicals.

## EXAMINATIONS:

Seminars, Interim exams, Viva, Practical and Final examinations

Certificate Course in GAS CHROMATOGRAPHY

## III. [PARTY OF THE FIRST PART] RESPONSIBILITIES AND OBLIGATIONS UNDER THIS MOU Shall undertake the following activities:

- ✓ The PARTY of the first part agrees to provide rent-free infrastructure facilities, including the required premises, electrification, and water facility.
- The PARTY of the first part further agrees any damage to the instruments in absence of Trainer will be under the responsibility of college.
  - ✓ The PARTY of the first part agrees to promote and propagate the said course to the students studying in the college.
    - ✓ The PARTY of the first part shall maintain a record of the students enrolled in the said course.
    - ✓ The PARTY of the first part agrees to evaluate the students studying in the said course.
    - ✓ The PARTY of the first part will collect the necessary course fees from the students.

Certificate Course in GAS CHROMATOGRAPHY

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## IV. [PARTY OF THE SECOND PART] RESPONSIBILITIES AND OBLIGATIONS UNDER THIS MOU Shall undertake the following activities:

The PARTY of the Second part agrees to provide necessary instruments including the necessary software required for the said course.

The maintaining and repairing of the instruments shall always be of *The PARTY of the Second part*.

The PARTY of the Second part agrees to provide experts and technical support to conduct the instrumentation course.

The PARTY of the Second part further agrees to provide the samples and specialists' chemicals necessary for experimental work.

The PARTY of the Second part will train faculty members and the supporting staff of the Chemistry Department of the college to work on instrumentations.

Certificate Course in GAS CHROMATOGRAPHY

## V. IT IS MUTUALLY UNDERSTOOD AND AGREED BY AND BETWEEN THE PARTIES THAT:

- 1. Modification
- 2. Termination

### **FUNDING** VI.

This MOU does (does not) include the reimbursement of funds between the two parties.

## VII. EFFECTIVE DATE AND SIGNATURE

This MOU is hereby signed and sealed by the respective parties hereto on the 27th of June 2019 at Palghar. In the presence of,



Certificate Course in GAS CHROMATOGRAPHY

## **Notice for students**

Sonopant Dandekar Shikshan Mandali's

Sonopant Dandekar Arts, V. S. Apte Commerce & M. H. Mehta Science College, Palghar, Dist: Palghar

ACADEMIC YEAR 2022-23

Date: 24/08/2022

## NOTICE

All the T.Y.B.Sc. students are hereby informed that Department of Chemistry in collaboration with Aarti Labs is conducting a Certificate Course in Gas Chromatography for the better exposure in industry equipments. All the students are requested to pay 1000/- for the course in the college office and collect fee receipt. The course will be conducted batchwise with an industry expert.

Head ,Department of Chemistry

## **Syllabus**

	Content	Theoretical	Practical	Duration
1	Gas Chromatography	Theory	To determine	40 hours
		• Introduction to GC	the purity of	
		<ul> <li>Role of gases in GC</li> </ul>	the given	
		• Types of GC injectors	solvent by	
		• Types of GC columns	GC	
		<ul> <li>Types of stationary</li> </ul>		
		phases		
		• Types of GC detectors		
		<ul> <li>Applications</li> </ul>		
		<ul> <li>Block diagram</li> </ul>		
		• Instrumentation		
		_	Total hours	40 hours
			=	

## **Students Enrolment List**

SR.NO	ROLL NO	NAME OF THE STUDENT
1	2601	PANDYA DHAVAL PANKAJ
2	2602	PATIL TANMAY ANIL
3	2603	KUDU YASH SUNIL
4	2604	THAKUR ISHA GIRISH
5	2605	JADHAV JANHAVI HARESHWAR
6	2606	THAKUR RAVINDRAKUMAR RAMBABU
7	2607	KAWAR ANIKET MADHUKAR
8	2608	CHOTHANI BHAVIN RATILAL
9	2609	MHATRE UTKARSHA KIRAN
10	2613	RAUT ADITYA SUBHASH
11	2614	RAJPUT SUNDAR NAVALSINGH
12	2615	JADHAV DISHA UMESH
13	2616	MEHER BHAKTI RAJESH
14	2617	RANE VEDANTI MAHESH
15	2618	SANKHE VAISHNAVI ARUN
16	2619	PATIL SWAGAT NIVAS
17	2620	MORE MANASI DIPAK
18	2621	SUTAR ROHAN MARUTI
19	2622	MORE TEJASVI ANIL
20	2623	MORE SAI SUNIL
21	2624	VAZE NITESH RAMAKANT
22	2625	PATIL YAMINI PANDHARI
23	2626	TARE SAYALI DEEPAK
24	2627	PATIL ABHAYA MANOHAR
25	2628	BHOIR SHRADDHA RAJENDRA
26	2629	MISHRA MADHUKUMARI UPENDRA

SR.NO	ROLL NO	NAME OF THE STUDENT
27	2630	MAURYA KAMLA CHUNNALAL
28	2631	GHARAT MANASHRI MADHUSUDAN
29	2632	YADAV AVINASH KASHINATH
30	2633	GHARAT SARANGEE SURESH
31	2634	RAUT KEVAL GANESH
32	2635	CHURI DISHANK VIDHYADHAR
33	2636	TELI SHWETA JAYRAM
34	2637	WAGLODE NIMESH JANA
35	2638	SALINS SUNNYKUMAR SAMUEL
36	2639	PAWADE SHREYA KISHOR
37	2640	GUPTA VISHAL BIHARI PRASAD
38	2641	PATIL SUJAL VISHWAS
39	2642	KORE TANVI SANJAY
40	2643	PATIL SAMRUDDHI VINOD
41	2644	SAKPAL HARSHADA BHIVAJI
42	2645	PATRO POOJARANI RAVINARAYAN
43	2646	BARI KRUTIKA KAMALAKAR
44	2647	LOKHANDE JEET KAMALAKAR
45	2650	TAMORE KAJAL MUKESH
46	2651	WADE PRIYA SURESH
47	2652	SINGH SHREYA SANJAY
48	2653	RAUT JIGNYASA AVINASH
49	2655	YADAV POONAM DHARAMRAJ
50	2656	YADAV AJAY RAJESHKUMAR
51	2657	YADAV RUCHI ANIL
52	2658	CHAUHAN SUMAN SANJAY
53	2659	RAUT VIPUL NANDKUMAR

SR.NO	ROLL NO	NAME OF THE STUDENT				
54	2660	TANDEL NISHA SUNIL				
55	2661	SANE TEJANGI SURENDRA				
56	2662	PAWAR RAHUL SHATTAPPA				
57	2664	DHANAWADE PAWAN SANTOSH				
58	2666	INGOLE ANIKET ASHOK				
59	2667	MEDHE PALLAVI RAJENDRA				
60	2668	WADE PRATHAM UMESH				
61	2669	RATHOD SHUBHAM KALURAM				
62	2670	GHARAT ATHARVA NITESH				
63	2672	THAKUR SANSKRUTI MAHENDRA				
64	2674	SAINI DIYA PRADEEP				
65	2680	JADHAV ISHA KETAN				
66	2682	MAURYA AMITKUMAR SHIVNANDAN				
67	2684	SHWAKARMA ANIKET JAYPRAKASH				
68	2685	SINGH KUNAL PREMPAL				
69	2686	AJAPATI VIKRAM NAGESHWAR				
70	2687	IGH AADARSH AMIT				
71	2688	SATAVI ASHWINI VIJAY				
72	2689	VISHWAKARMA ANTIKA SATISH				
73	2690	MEHTA SUSHMITA ARJUN				
74	2693	GURAV AKSHATA HARI				
75	2694	PANDEY ROSHNI SANJAY				
76	2702	GUNJKAR TEJASWINI NAMDEV				
77	26001	SAWANT DHANASHREE MACHHINDRA				
78	26002	RAUT SHRADDHA VINOD				
79	26003	SAWANT BHAGYASHREE MACHHINDRA				
80	26004	BHOIR SAKSHI MANISH				

SR.NO	ROLL NO	NAME OF THE STUDENT				
81	26005	DHOTRE SHEETAL RAMESH				
82	26007	NANGARE ROHIT SHAILESH				
83	26010	SINGH PRIYANKA UDAY				
84	26011	VARMA RADHIKA MUNDRIKA				
85	26012	GAVAND OMKAR CHANDRAKANT				
86	26013	JADHAV AVISHKAR BABAN				
87	26014	VERMA SURAJKUMAR RAMSAJEEVAN				
88	26015	BHOSLE RAJIV GANESH				
89	26016	PATIL PARTH SANDEEP				
90	26017	GHODA ROHIT SHANKAR				
91	26018	KOLI YASH SHARAD				
92	26019	BHOSLE RAJ GANESH				
93	26020	GUPTA PRITESH SANJAY				
94	26021	OR RUTUJA RAMNATH				
95	26022	DAV POOJA PREMCHAND				
96	26023	KATKAR PALLAVI HARISH				
97	26024	AKUR DIVESH BABURAO				
98	26025	MBARE TANMAY KASHINATH				
99	26026	PATIL GAURI RAVIKANT				
100	26027	BHOSALE PALLAVI SANJAY				
101	26028	TIWARI OMKAR NARENDRA				
102	26029	SAKPAL HARSH BALASAHEB				
103	26030	SANKHE HARDIK RAVINDRA				
104	26031	ANUGADE SRUSHTI CHANDRAKANT				
105	26032	BHOIR YASH YATIN				
106	26033	DHANU YASH PRASHANT				
107	26034	GAWAD SHREYA AJAY				

SR.NO	R.NO ROLL NO NAME OF THE STUDENT	
108	26035	BOCHARE HITESH DHANAJI
109	26036	GHARAT HASYA SUBODH
110	26037	PIMPLE SANIDHYA VIKAS
111	26038	BARAL ARPITA PRATAP
112	26039	KADAM SAHIL VITTHAL
113	26040	RAUT BHAKTI MANGESH
114	26041	THAKARE MANGESH ARVINDA
115	26042	DASHWANT SHIVANI PRAFUL
116	26043	THAKUR PRERANA SHYAMKUMAR
117	26044	GOND AJIT RISHIMUNI
118	26045	SINGH SNEHA ALOK
119	26046	KASAR SAKSHI DHANRAJ
120	26047	VISHWAKARMA PANKAJ RAJESH
121	26048	SINGH HRITIK DHIRENDRA
122	26050	SAWANT KOMAL DEEPAK
123	26051	ZAGADE TRUPTI ANIL
124	26052	PATIL SIDDHESH PRABHAKAR
125	26053	YADAV MANISH RAILAL
126	26054	CHAUDHARI PRATHAM AJURAJ
127	26055	SHELAR SAPANA DILIP
128	26056	DEVKAR AMIT SANTOSH
129	26058	CHAMARE JAY CHANDRAKANT
130	26059	LILAKA PRANAY DILIP
131	26060	PATIL BHARGAV KISHOR
132	26061	SINGH PARAMHANS SUNIL
133	26062	PATIL SAKSHI VISHWAS
134	26063	PATIL ASHWINI KAUTIK

SR.NO	ROLL NO NAME OF THE STUDENT			
135	26064	MARATHE RAHUL VIDHOBA		
136	26065	CHINCHKAR OM AJAY		
137	26066	JADHAV PRASAD SHRIMANT		
138	26067	SHAIKH FAIZAL SAJID		
139	26068	DENGANE KALYANI KASHINATH		
140	26069	ATKARI NITISH RAVINDRA		
141	26070	PATEL KRISH ASHOK		
142	26071	SINGH ABHAY ANIRUDHA		
143	26072	TRIVEDI ANAND ANIL		
144	26073	PATIL DARSHAN PRAKASH		
145	26074	DUBEY ANJALI RAMESH		
146	26075	KHAN AFROZ SHARIF		
147	26076	BHAGAT MOHIT MANOJ		
148	26077	MEHER YASH VIKAS		
149	26078	GAWAD GAURAV NARENDRA		
150	26079	PATIL VEDIKA SHASHIKANT		
151	26080	RAUT TANVI SUNIL		
152	26081	PATIL RUTUJA SANJEEV		
153	26082	KHADKA NISHA RAMBAHADUR		
154	26083	KINI CHIRAG SUBHASH		
155	26084	WADE SAHIL NARENDRA		
156	26085	CHAUHAN RAHUL PANCHAM		
157	26086	KUSHWAHA NANDINI ASHOK		
158	26087	PATIL ABHISHEK RAGHUNATH		
159	26088	KARAMBALE SONALI RAVINDRA		
160	26089	PATIL HITESH GANESH		
161	26090	SHETE AVANTIKA ATMARAM		

SR.NO ROLL NO		NAME OF THE STUDENT					
162	26091	AASABE AAKASH DATTATRAY					
163	26092	BAGUL NEHA DATTATRAY					
164	26093	JADHAV YASH PRAMOD					
165	26094	NAIK ISHIKA GANESH					
166	26096	PATIL SARVESH MANGESH					
167	26097	MANE SAKSHI BHAUSAHEB					
168	26098	PRASAD PRITI KUMARI RAMEKBAL					
169	26099	YADAV KALPANA GOVIND					
170	26100	MACHHI RASHI HEMANT					
171	26102	BHOYE ADITYA DILIP					
172	26103	PATIL SAKSHI PRAKASH					
173	26104	KASAR PRAJAKTA SANJAY					
174	26105	DIWAKAR SANJOG SHIVSHING					
175	26106	AHADA HARSHITA MANOHARSINGH					
176	26107	MEDHA ANJALI NAVASHYA					
177	26108	JADHAV SWAPNIL BANDU					
178	26110	SINGH SHIVAM SANJAY					
179	26112	ACHARYA AISHWARYA RAMESH					
180	26113	SHARMA NIRANJAN KAMAKHYA					
181	26114	HARKE SHEVANTI YASHWANT					
182	26115	PRAJAPATI NEHA SHESHNATH					
183	26116	TIWARI SURAJ RAMSAJIVAN					
184	26117	JHA JITENDRA PAWAN					
185	26118	YADAV AWNEESH SANTOSH					
186	26119	LENKA SUBENDU SARVESHWAR					
187	26120	MAHATO RAKESHKUMAR YOGENDRA					
188	26121	SINGH AKASH CHANDAN					

SR.NO	ROLL NO	NO NAME OF THE STUDENT					
189	26122	RAJVANSHI ROHIT KRISHNA					
190	26123	BHUTKADE ADITYA VILAS					
191	26124	DIXIT LAVANYA RAJENDRA					
192	26125	MANIYAR MISBAH MOHAMMED FAHIM					
193	26126	PRASAD BALMIKI DHARMENDRA					
194	26127	GAUD KHUSHI RAKESH					
195	26128	GUPTA PRANITA SARNATH					
196	26129	CHAUHAN KHUSHBOO HANSRAJ					
197	26130	DIVA YOGESH MADHUKAR					
198	26131	JAISWAR NEETU SHOBHNATH					
199	26132	PATIL APURVA SANDIP					
200	26133	TALHA RAHUL NARENDRA					
201	26134	DHAK ROHIT SHARAD					
202	26135	THAKUR VIGHNESH MANGESH					
203	26136	PRASAD POOJA MANOJ					
204	26138	TANDEL PRATHAMESH ANIL					
205	26139	PAL PRAGATI RAJENDRA					
206	26141	TIWARI SHRUTI MANOJ					
207	26142	PATIL SAIYAMI PRAKASH					
208	26143	SHARMA KARISHMA SAMARJEET					
209	26146	DHODI BRIJESH MUKESH					
210	26147	SHIVADE YASH DEEPAK					
211	26148	VADHAN RUPESH LADAKA					
212	26149	BETHEKAR DEVRAJ ZINGA					
213	26150	MACHHI SUSHIL VASANT					
214	26151	VARTHA SAHIL BALU					
215	26153	YADAV POOJA KUMARI RAMSUDHARSINGH					

SR.NO	ROLL NO	NAME OF THE STUDENT					
216	26159	KINI DISHA NAVNATH					
217	26160	KHATRI NIKITA BHAIRULAL					
218	26161	TUMBADA ROHAN SUNIL					
219	26164	VANSE NACHIKET GOPINATH					
220	26165	SINGH AMAN MANOJ					
221	26167	PRASAD SURAJ NAGINA					
222	26169	TAMORE BHAVIK SANTOSH					
223	26171	LOTE VIRAJ VINOD					
224	26173	YADAV ABHISHEK HARIVANSH					
225	26174	VALMIKI AKASH KUWARPAL					
226	26175	TIWARI NANDLAL SURESH					
227	26178	PATIL VAIDAHI VISHWAS					
228	26180	BARI RADHIKA MORESHWAR					
229	26181	BARI MIHIR RAJESH					
230	26183	CHAUDHARI RIZWAN AHMED MOHAMMED RAFIQUE					
231	26184	AVARE VISHAL VISHNU					
232	26185	OTHARI PUJA SONU					
233	26186	GAUTAM RUCHI OMPRAKASH					
234	26191	PANDEY SURAJ RAMANUJ					
235	26193	GHARAT MANTHAN ATMARAM					
236	26194	YADAV DHANANJAY JITENDRA					
237	26197	RASAL ROHIT RAJENDRA					
238	26201	MEHER SAHIL JAYANT					
239	26202	GUPTA SIMRAN SANJUPRASAD					
240	26208	PATEL DEEPAK PRAMODKUMAR					
241	26209	NAIK KOMAL SHIVAJI					
242	26212	BHADANE MANOJ RAVINDRA					

## **Students Attendance Report**

2601 PANDYA DHAVAL PANKAJ	601	11	-		1	11	16 01
2602 PATIL TANMAY ANIL	Thu	- 1	17	-	- 1		Thousal
2603 KUDU YASH SUNIL	-An	-	100			1000	TOM
2604 THAKUR ISHA GIRISH.	del	- 4	- (		- 0		your
2605 JADHAV JANHAVI	Bh	0.	10	u Bl	e 18h	er pelier	When
260\$ THAKUR RAVINDRAKUMAR	Pure	H	38	35	F	35	A
2607 KAWAR ANIKET MADHUL	-	Keine		ustr Kerr	ide fusi	de Kensiele	Rende
2508 CHOTHANI BHAVIN RATILAL	AM	- Ana	- A	An	- Am	AN	Any
2609 MHATRE UTKARSHA KIRAN	-	- G	- Ca	- 6	- Ce	Ca	Co
2613 RAUT ADITYA SUBHASH	Mut	1 1	- Mh	-	I Who	- und	Mel
2614 RAJPUT SUNDAR	ATTY	P. Carrier	FY	wa sch	to Add	to feller	Adver
2615 JADHAV DISHA UMESH	Roger	- Kogi	1 Keyro	J Royes	Rayne	Royel	Payer
2020 SABITAV DISHA OWESH	J.	-	- 39	- 00	- J.D	- 1-1	J.O
	6 01	7/01	16/01	17/01	18 01	19/01	20/01
2616 MEHER BHAKTI RAJESH	Quetti.	Bluke	Physor-	Bhukter	Blutter	Blukby"	
2617 RANE VEDANTI MAHESH	Maril	Pener	Pence	Pland	parel	Rarel	Report
2618 SANKHE VASHNAVI ARUN	Carrie	farely	Santhe		lashe		-
2619 PATIL SWAGAT NIVAS	Span!				South!	Senthe	
2620 MORE MANASI DIPAK	Moure	Mans Mons	Span!	More	(2)	Spech 1	Span
2621 SUTAR ROHAN MARUTI	Dolur	Lotur	Reser		Morar	Morse	Lotin
2622 MORE TEJASVI ANIL				Rober	Retree	Rober	-
2623 MORE SAI SUNIL	More		Morc	More	More	More	More
2624 VAZE NITESH RAMAKANT	Menre	\$ More	Store	\$100e	1000e	Brose	Store
MANUEL DE CONTROL DE C	100	Mary	Mean	Men		New	Men
	Hedil	Yabil	YRI	地	TRUIN	验划	Peti
2626 TARE SAYALI DEEPAK	Store	State	Store	. Jare	Store	Stare	Store
2627 PATIL ABHAYA MANOHAR	Afferm	Appel 1	Abbuhl	April	Appens	Abrunt	Appel
	23/01	24/01	25/01	27/01	20121	Valor	~10
2628 BHOIR SHRADDHA	Smeth			Much			310
2629 MISHRA MADHUKUMARI	Mes	Apun-				flreigh.	Higeda
2630 MAURYA KAMLA	Ludellet		Kenter	Remed		Milhie	Mollos
2631 GHARAT MANASHRI M	Sturet	Ghout	Theraf	Aheret	amler 1	Kenley	Bronder
2632 YADAV AVINASH KASHINATH	Akelir		Madu	Agader	Aycider	there!	4
2633 GHARAT SARANGEE SURESH	Great	1	Spharet	-			-
2634 RAUT KEVAL GANESH	Proud		Plant	Spharout-		Sharout-	Shace
2635 CHURI DISHANK	Ohin	Mun	Delmi	- Ochum	PROME	Pand	Paus
2636 TELI SHWETA JAYRAM	Thei	"Etel"	Steli	Heli	Ochri-	Denui	Dean
2637 WAGLODE NIMESH JANA	Millan	1 Wan	· Neller	Mora	100	ffee	eter
2638 SALINS SUNNYKUMAR	35.	le	10	le	nugu	Nupere 100	Nugar
2639 PAWADE SHREYA KISHOR	Porried	ande	Paule	- Vereste	Puese	88.	88
	4		- Comment	1	Recurse	Perende	Paux

CERTIFICATE CO	28 02	01/03	03/03	04/03		- 4	alau
	N.8.6	V.B.GW	y V. B. Capte		407		Al
2641 PATIL SUJAL VISHWAS	Raly	- Satur	Ball	Part	2 AR GAR	W.B. Gyp	10 11 11
2642 KORE TANVI SANJAY	Tecne	: Fame	Tron	- There	Thore	Fourt	Butt
2643 PATIL SAMRUDDHI VINOD	Some	Jane	-			Love	- Landau Control
2644 SAKPAL HARSHADA BHIVAJI	Hake	4 Hakpo				- Hake	- Hakpul
2645 PATRO POOJARANI R	25	B	3	The state of the s	A Thomas	-	Hayes
2646 BARI KRUTIKA KAMALAKAR	Bare			Bari	Bhasi	Barr	Bari
2647 LOKHANDE JEET	Jeet		Teet	Jeet	Jeet	1000	Jeet
2650 TAMORE KAJAL MUKESH	Robel	Balel	Balal	Bank	Bush	Fanl	tojal
2651 WADE PRIYA SURESH	Puade	Ruad	e Prode	1			
2652 SINGH SHREYA SANJAY	Parti	Part	Rati	Sati	Bati .	Rati	Bati .
2653 RAUT JIGNYASA AVINASH	Hanyasa			Lignyara	Lignyans		
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## **Feedback**

Sonopant Dandekar Arts, V.S. A  Col  Internal Qu  Feedback Form on Col  Name: John H. Jodlen  Class: TyBsc  Roll No.: 2605	Tolita.				е
Parameters	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
The instructor was punctual and well organized for class.  The instructor demonstrated knowledge on the subject.  The student material was informative and easy to follow.  There was sufficient time provided for individual hands-on practice.  The equipment was clean and in proper working order.  The course developed my understanding of concepts and principles of Gas  Chromatography.					
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## **ACTION PHOTOGRAPH**



## **Certificate**



## Sonopant Dandekar Shikshan Mandali's Sonopant Dandekar Arts, V. S. Apte Commerce & M. H. Mehta Science College, Palghar

## Certificate

This is to certify that,

Maurya Amitkumar S.

has successfully completed

7 Days Hands on Training on Gas Chromatography

Between 2003 23 to 27 02 23

Sonopant Dandekar Arts, V. S. Apte Commerce, M. H. Mehta Science College, Palghar

Place: Palghar

Date:

**Head of Chemistry Department** Sonopant Dandekar Arts, V. S. Apte Commerce, M. H. Mehta Science College,

Palghar



## Sonopant Dandekar Shikshan Mandali's

Sonopant Dandekar Arts, V. S. Apte Commerce & M. H. Mehta Science College, Palghar

## Certificate

This is to certify that,

Wade Priya Suresh

has successfully completed

7 Days Hands on Training on Gas Chromatography

Between 28 02 23 to 9 03 23

Principal

Sonopant Dandekar Arts, V. S. Apte Commerce, M. H. Mehta Science College,

Place: Palghar

Date:

**Head of Chemistry Department** Sonopant Dandekar Arts,

V. S. Apte Commerce, M. H. Mehta Science College, Palghar

## COMPLIANCE REPORT

Certificate Course in Gas Chromatography provides a platform to enrich in various aspects:

Gas chromatography is a widely used analytical technique that separates and analyzes volatile compounds in a sample. Students developed a solid understanding of the fundamental principles underlying gas chromatography, including the theory, instrumentation, and methodologies involved.

Students received hands-on experience with operating GC instruments, setting up analytical methods, and analyzing samples. This practical training enhanced their skills and confidence in working with gas chromatography techniques.

This course covered method development and optimization strategies. This Course is been continued from last 3 years i.e from 2019 to current year.

These techniques helped students in tailoring GC methods to specific sample types, optimizing separation conditions, and selecting appropriate detectors. By learning these techniques, students were able to improve the efficiency and accuracy of your analyses.

Students were able to interpret and analyze chromatograms, identify peaks, quantify compounds, and perform data analysis. These skills are valuable for evaluating results and drawing meaningful conclusions from experiments.

Gas chromatography instruments require regular maintenance and troubleshooting to ensure optimal performance. This course trained students with the knowledge and skills to diagnose and solve common problems that may arise during instrument operation. Understanding troubleshooting techniques can save time and resources in the laboratory.

Gas chromatography has numerous applications across various industries, including environmental analysis, pharmaceuticals, food and beverage, forensics, and petrochemicals. This course covered the application areas, providing students with insights into the practical uses of GC and its relevance in different industries.

Gas chromatography is a widely used analytical technique, and professionals with expertise in GC are in demand in industries and research settings. By acquiring knowledge and skills in gas chromatography through a dedicated course, students were able to enhance their career prospects and open doors to job opportunities in analytical chemistry, quality control, research and development, and related fields.

Course Commencement: 06/01/2023

Course Completion: 08/06/2023

Number of students enrolled for the course: 233

Number of students completed the course: 213

Duration of the course: 40 hours

Dr. Suhas Janwalkar

Head (Dept. of Chemistry)