



# **SONOPANT DANDEKAR ARTS, V.S. APTE COMMERCE AND M.H. MEHTA SCIENCE COLLEGE, PALGHAR**

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## **DEPARTMENT OF CHEMISTRY**

### **Certificate Course Instrumental Analysis**

**Under the Aegis of  
Centre for Excellence and Innovation**

**Academic Year: 2019-2020**

**Prof. Mahesh Deshmukh  
CFEI – Chairman**

**Dr. Kiran Save  
Principal**

# **Certificate course in Instrumental Analysis**

**Report 2019-2020**

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# Certificate course in Instrumental Analysis

**Duration:** 42 hours

**Aim:** To study the instrumental analysis.

## **Features of the course:**

- Specially designed to give hands on training on instruments used in laboratory.
- Customized for the industry.
- Delivered by faculty of department of chemistry as well as experts from the industry.

## **Objective:**

- To acquire knowledge about instrumentation.
- To develop skills required in industries.

## **Eligibility:**

Any science students having chemistry as a subject.

## **Mode of Examination:**

Theory: Assignment will be provided.

Practical: Practical exam will be based on experiment performed during the course.

**Certification:** Certificate will be provided on the basis of practical examination.

## **Learning Outcome:**

Students will acquire detail theoretical knowledge as well as practical experience about various laboratory techniques.

Date: 15<sup>th</sup> October, 2019

To,

The Principal,

Sonopant Dandekar Arts, V.S. Apte Commerce and

M.H. Mehta Science College,

Palghar

**Subject: Approval for Certificate Course in Instrumental Analysis (S.Y.B.Sc.)**

Respected Sir,

For developing instrumental skills in students, we have designed certificate course for the class of S.Y.B.Sc. The course is aimed at enhancing skills and knowledge of students in basic instrumental techniques. This course will benefit the students by providing them with an opportunity to develop their expertise in this area. Their instrument and apparatus handling skills will be improved by the Certificate Course in Instrumental Analysis for S.Y.B.Sc. course.

The Certificate Course will be offered in the month of November, 2019

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 Janwadkar  
Head, Department of Chemistry

Sanctioned  
Kulane

## SYLLABUS

	<b>Content</b>	<b>Theoretical</b>	<b>Practical</b>	<b>Duration</b>
1	Chemical calculations	Normality Molarity Formality Molality Ppm Ppb Conversion of one unit to another.	Problem-solving based on the theoretical concepts.	4 hours
2	Spectrophotometer	Principle Block diagram Instrumentation Beer-Lambert`s law	Standardization of spectrophotometer.	4 hours
3	Potentiometer	Principle Study of electrodes (Indicator and Reference electrode) Role of salt bridge Graphical methods for determination of end points Working Error calculations	1.Standardization of potentiometer. 2.Assay of vanillin potentiometrically.	4 hours
4	pH meter	Principle Study of electrode (Combined glass electrode) Graphical methods for determination of end points Working	Standardization of pH meter.	4 hours
5	Colorimeter	Principle Block diagram Instrumentation Beer-Lambert`s law Error calculations	Determination of Glucose by folin-wu method.	4 hours
6	Conductometer	Principle Study of electrodes Graphical representation for determination of end points Working	Standardization of conductometer.	4 hours

7	Complexometric titration	Types of titrations Primary standard and Secondary standard Stability constant Selectivity in complexometric titration Indicators Error calculations	1. Estimation of $ZnSO_4$ in eye drops by complexometrically. 2. Determination of hardness of water complexometrically. 3. Determination of calcium in calcium lactate tablet by complexometric titration.	8 hours
8	Estimation of Nitrogen	Use of Kjeldahl flask for collection of nitrogen gas	Estimation of nitrogen by Kjeldahl flask.	6 hours
9	Redox titration	Types of titrations Primary standard and Secondary standard Indicators Error calculations	Assay of $KMnO_4$	4 hours
<b>Total Duration:</b>				<b>42 hours</b>



*Sonopant Dandekar Shikshan Mandali's*  
**Sonopant Dandekar Arts, V. S. Apte Commerce &  
M. H. Mehta Science College, Palghar, Dist: Palghar**  
**ACADEMIC YEAR 2019-20**

**Date : 5/10/2019**

## **NOTICE**

All the **S.Y.B.Sc.** students are hereby informed that their **Certificate Course in Instrumental Analysis** will begin from 4<sup>th</sup> November, 2019. Batch details are shared along with this notice.

**Dr. Suhas Janwadkar**

**Head ,Department of Chemistry**

## STUDENT ENROLLMENT LIST

### STUDENT ENROLMENT LIST

ROLL NO.	NAME OF THE STUDENT
1	BORSE HITESH UMESH
2	GUPTA POOJA DINESH
3	GHARAT PREKSHITA CHANDRAKANT
4	PAGDHARE JANHAVI DEVANAND
5	BARI SAKSHI MANOHAR
6	BARI ASHWITA SUBHASH
7	HUSSEN RABINAKHATUN ZAKIR
8	PAWADE SEJAL HARISHCHANDRA
9	BARI DIPTI BHALCHANDRA
10	PAGDHARE SWARANGI SUBHASH
11	ANGANE MINAL MANGESH
12	PINGALE TEJASHREE GANESH
13	KALE MADHU GANESH
14	WANGA TEJASWI GANESH
15	PATIL AMISHA MOHAN
16	PATIL ADITI DATTATREY
17	PATIL MAYURI KISAN
18	PATIL TEJASVI ANANT
19	TARE RUTUJA BHUPESH
20	NAIK ADITI ANANT
21	JADHAV MANSI SURESH
22	SONA AARATI DAYARAM
23	CHHEDA ARPIT MANISH
24	SHERE AKASH GAJANAN
25	PAWAR SWAPNIL SATYAWAN
26	SAVANT ANIKET TUKARAM
27	PANIGRAHY SWATI SANTANU
28	MORE BABITA VIJAY
29	THAKUR CHHAYA SUBODH
30	SHARAMA MOHINI DHARMENDRA





ROLL NO.	NAME OF THE STUDENT
31	PACHANGE DHANASHREE UDDHAV
32	ADSUL SHRUTIKA DHANANJI
33	LOKHANDE JYOTSNA BHARAT
34	KAJALE PRASHANT BHAURAO
35	PATIL DNYANESHVARI MILIND
36	MEHER SHRUTI UMESH
37	NAIK VRUSHALI NITIN
38	GOUD KALPANA DILIP
39	PATIL ANJALI LAXMAN
40	SAVE KRUSHIK SACHIN
41	PATIL JIDNESH PRADIP
42	MORE ACHALA DEEPAK
43	MASARE ANUJA POPAT
44	SURYWANSHI RAGINI VIDHYADHAR
45	VADE SANJEET UMESH
46	PATIL TANVI SANJAY
47	RAUT VAIDEHI NIRAJ
48	KHALIFA AYESHA NAJEEB
49	SHAIKH SHAFIQUE MUSARRAT
50	MAHAJAN YOGESH VILAY
51	DHERE NISHA JALINDAR
52	VINKAR SAPANA RAMESH
53	BORASE BHAVESH DILIP
54	SHINDE ANKIT BABASAHEB
55	MACHHI KAUSHAL BHAGWAN
56	VAZE SHUBHAM RAJESH
57	THAKUR YADNYESH NARESH
58	GAWAD ROHIT JAYESH
59	PATIL ANIKET RAJENDRA
60	BARAD SANJAY MAHADU



ROLL NO.	NAME OF THE STUDENT
61	BATRA YOGESH RAMU
62	PATIL MAYURESH MAHESH
63	CHURI BHAGYESH VIVIEK
64	SOGALE DAKSHATA SUNIL
65	TANDEL TANMAY VISHWAS
66	CHAUDHARI MAYUR RAJENDRA
67	DAVANE SHIVANI NARESH
68	PATIL KAUSTUBH PRAKASH
69	KAILUKE NIMISHA KRUSHNA
70	JANWADKAR HARDIK SUHAS
71	PATIL PRAJWAL TUSHAR
72	PATKAR AKSHAY MADHUKAR
73	GADKAR POORNA SAINATH
74	PUNJARA ANKITA SURESH
75	AREKAR VIRAJ BHALCHANDRA
76	MORE SRUSHTI ASHOK
77	CHAMARE RIYA YOGENDRA
78	MEHER SRUSHTI NILESH
79	ADHIKARI PRATIKSHA SANTOSH
80	PATIL SALONI SANTOSH
81	BORSE NAMRATA MANOHAR
82	BHOIR LALITA SHIVRAM
83	MACHHI ASHWINI SUBHASH
84	PATIL SAKSHI RAJESH
85	BARI HARSHMI ARUN
86	THAKUR SNEHA VINOD
87	NAGAR ISHWAR SAUBHASHCHANDRA
88	SAROJ DEEPNARAYAN HAWALADAR
89	DABHADE ANKUSH TUKARAM
90	KOKATE PRIYANKA SHIVAJI



ROLL NO.	NAME OF THE STUDENT
91	SHINDE NIKHIL ANIL
92	PATHAK JYOTI MAHANAND
93	SHARMA KOMAL SUSHIL
94	YADAV ABHISHEK VIRENDRA
95	ANSARI SHABANA YUNUS
96	PATIL HRUSHIKESH RAMKRISHNA
97	WAGHMARE AKSHATA TANAJI
98	PATHAN SIDDHIKA DILAWAR
99	VISHWAKARMA ANJALI MUNNALALA
100	GHUDE KAUSTUBHSUNIL
101	DESHMUKH HARDIK TUKARAM
102	REDDY NEHA DEVENDRA
103	PAGI PRAVINA JAYAVANT
104	MORE SNEHA JAYWANT05
105	BHOIR RAJASHRI RAMESH
106	TARE DAMINI KAMLAKAR
107	BHOIR SAMRUDDHI KIRAN
108	VAYADA NAMITA VASANT
109	PATIL VIDHI VILAS
110	GOWARI SANSKRUTI KISAN
111	WANI YASH DHANRAJ
112	CHAUHAN ANAND SARNATH
113	TARE MOHIT ANIL
114	ERANDE SANKET BABAN
115	MAHADIK NIRANJAN SHRIKRUSHNA
116	RAUT AAKANKSHA SUNIL
117	SANKHE BHAKTI SHYAM
118	DHANMEHER GAURI NARENDRA
119	DHANPAL SHUBHAM KRISHNA
120	PATIL SIDDHARTH DINESH



ROLL NO.	NAME OF THE STUDENT
121	SINGH ROHIT KUMAR BASHISTH
122	YADAV MANISH VUAY,
123	CHAURASIYA RAJESH BIRENDRA
124	SHARMA SHRADHA SHIVSHANKAR
125	DOKE PRITI PANDURANG
126	KATKAR SHWETA SANDESH
127	GANIAVE PRIYANKA VALIBA
128	NAIK UNNATI ANIL
129	PATIL ADITI KONDYA
130	SAGANE VIRAJ SHANKAR
131	BHURKUD SAGAR SHANKAR
132	PAWAR SUMIT RAMAKANT.
133	RAUT MAYUR KAMALAKAR
134	PATIL YADNESH MANIK
135	PATIL HARSHALI BALWANT
136	JADHAV ANKUSH SUKARYA
137	PATIL ADITYA VAKESH.
138	JADHAV SUDARSHAN MAHATMA
139	CHAUHAN POOJA SHIVBRAT
140	YADAV POOJA RAMAKANT
141	KUSHWAHA SUNILKUMAR BHULAN
142	KHAN ASIF MUNAWWAR
143	PATIL MANESH SURESH
144	VISHWAKARMA RINKU HEERARAM
145	GUPTA ABHINANDAN VINODKUMAR
146	BHONE SAKSHI JAGDISH
147	MACHHI CHANCHAL BHANUDAS
148	YADAV POGIA SHIVDHANI
149	PATIL MAYUR DNYANESHWAR
150	MANDAL SACHIN SARWAN



ROLL NO.	NAME OF THE STUDENT
151	MALI YOGESH SUNIL
152	VACHAKAL NIKITA SHIVAR
153	THAKARE PRATHAMESH UDAY
154	SINGH SONAKUMAR PREM
155	CHAUDHARI VISHAL DILIP
156	MAHAJAN AKSHAY SANDIP
157	GAIKWAD RUTUJA MAHADEV
158	DHAPSHI AWDHESH SADANAND
159	SANKHE SWAPNIL PRALHAD
160	NAIK NIKITA SUBHASH
161	PATIL RAJSHREE VIJAY
162	GHARAT PRATIK VINOD
163	SHIVGAN SAH(LI SUDHAKAR
164	PATIL SHWETA NAMDEV
165	PATIL RUCHITA PRAKASH
166	MERE JITESH VIJAY
167	MORE SAKSHI VINOD
168	MEHER UDDHAV RADHESHYAM
169	PALKAR TEJAL CHANDRAPRAKASH
170	SANKHE PRATHAMESH SURESH
171	SAHANI GUDIYA GULABCHAND
172	JHA ABHISHEK SHASHIKANT
173	CHAUHAN POGJA DURGAPRASAD
174	CHAUHAN POONAM DURGAPRASAD
175	MAURYA SONAMKUMARI RAMLAKHAN
176	PATIL RHUTUJA VINOD
177	ADHIKARI VEDIKA BABAN
178	RAVATE AAKASH TUKARAMA R
179	YADAV KHUSHBU SANTLAL
180	SHAIKH SHAHID MUSTAKIM



ROLL NO.	NAME OF THE STUDENT
181	SOGALE BHAVESH SANTOSH
182	YEOLE YASH YOGIRAJ
183	JHA ROSHAN ARUNKANT
184	MORE RAKSHAK RAKESH
185	SHAIKH AAMIR ASIF
186	PIMPLE SUCHI SANTOSH
187	MAHARA NARU PADAMBHADUR
188	MANE SHUBHANGI APPASAHEB
189	TAWADE NEHA SANTOSH
190	BEHERA AKASH PADMACHARAN
191	THAKUR ROSHANI SHAILESH
192	PATIL CHINMAY DEVANAND
193	PATIL RUTIK RAJENDRA
194	CHAKRABORTI NIKHIL RAVINDRA
195	ARDAS PRATIKSHA GULAB
196	ADHIKARI RIYA SUBHASH
197	YADAV ABHISHEK INDRARAO
198	DHANU SRUSHTI RAJESH
199	GUPTA JYOTI MANOJ
200	PATIL OMKAR SUBHASH
201	MANE SULBHA DATTATRAY
202	KHETAL SUDHAKAR, BALARAM
203	YADAV SACHIN BADHU
204	DAS HIRAN GAJENDRA
205	BHOSALE VICKY VISHWANATH
206	PATIL HIMANSHU MAHESH
207	GHARAT NAMIT ASHOK
208	PRAJAPATI KOMAL SANTOSHKUMAR
209	YADAV KANCHAN AVDHESH
210	BANGAR NEHA SATISH



ROLL NO.	NAME OF THE STUDENT
211	VAYEDA AJAY BACHCHU
212	PATIL SURAJ KIRAN



# ATTENDANCE REPORT

S.Y.BSC 19-20	Date	04/11/19	05/11/19	06/11/19	07/11/19	08/11/19	09/11/19	10/11/19	11/11/19	12/11/19	13/11/19	14/11/19	15/11/19
1	BORSE HITESH UMESH	UBorse	UBorse	UBorse	UBorse	UBorse	UBorse	UBorse	UBorse	UBorse	UBorse	UBorse	UBorse
2	GUPTA POOJA DINESH	UGupta	UGupta	UGupta	UGupta	UGupta	UGupta	UGupta	UGupta	UGupta	UGupta	UGupta	UGupta
3	GHARAT PREKSHITA CHANDRAKANT	CGharat	CGharat	CGharat	CGharat	CGharat	CGharat	CGharat	CGharat	CGharat	CGharat	CGharat	CGharat
4	PAGDHARE JANHAVI DEVANAND	JDP	JDP	JDP	JDP	JDP	JDP	JDP	JDP	JDP	JDP	JDP	JDP
5	BARİ SAKSHI MANOHAR	S.Bari	S.Bari	S.Bari	S.Bari	S.Bari	S.Bari	S.Bari	S.Bari	S.Bari	S.Bari	S.Bari	S.Bari
6	BARİ ASHWITA SUBHASH	SBari	SBari	SBari	SBari	SBari	SBari	SBari	SBari	SBari	SBari	SBari	SBari
7	HUSSEN RABINAKHATUN ZAKIR	RHussen	RHussen	RHussen	RHussen	RHussen	RHussen	RHussen	RHussen	RHussen	RHussen	RHussen	RHussen
8	PAWADE SEJAL HARISHCHANDRA	HPawade	HPawade	HPawade	HPawade	HPawade	HPawade	HPawade	HPawade	HPawade	HPawade	HPawade	HPawade
9	BARİ DIPTI BHALCHANDRA	DBari	DBari	DBari	DBari	DBari	DBari	DBari	DBari	DBari	DBari	DBari	DBari
10	PAGDHARE SWARANGI SUBHASH	SPD	SPD	SPD	SPD	SPD	SPD	SPD	SPD	SPD	SPD	SPD	SPD
11	ANGANE MINAL MANGESH	MMA	MMA	MMA	MMA	MMA	MMA	MMA	MMA	MMA	MMA	MMA	MMA
12	PINGALE TEJASHREE GANESH	TPingale	TPingale	TPingale	TPingale	TPingale	TPingale	TPingale	TPingale	TPingale	TPingale	TPingale	TPingale
13	KALE MADHU GANESH	M.KALE	M.KALE	M.KALE	M.KALE	M.KALE	M.KALE	M.KALE	M.KALE	M.KALE	M.KALE	M.KALE	M.KALE
14	WANGA TEJASWI GANESH	GWanga	GWanga	GWanga	GWanga	GWanga	GWanga	GWanga	GWanga	GWanga	GWanga	GWanga	GWanga
15	PATIL AMISHA MOHAN	APatil	APatil	APatil	APatil	APatil	APatil	APatil	APatil	APatil	APatil	APatil	APatil
16	PATIL ADITI DATTATREY	ADPatil	ADPatil	ADPatil	ADPatil	ADPatil	ADPatil	ADPatil	ADPatil	ADPatil	ADPatil	ADPatil	ADPatil
17	PATIL MAYURI KISAN	MPatil	MPatil	MPatil	MPatil	MPatil	MPatil	MPatil	MPatil	MPatil	MPatil	MPatil	MPatil
18	PATIL TEJASVI ANANT	TPatil	TPatil	TPatil	TPatil	TPatil	TPatil	TPatil	TPatil	TPatil	TPatil	TPatil	TPatil
19	TARE RUTUJA BHUPESH	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT
20	NAIK ADITI ANANT	ANaik	ANaik	ANaik	ANaik	ANaik	ANaik	ANaik	ANaik	ANaik	ANaik	ANaik	ANaik
21	JADHAV MANSI SURESH	MSJadhav	MSJadhav	MSJadhav	MSJadhav	MSJadhav	MSJadhav	MSJadhav	MSJadhav	MSJadhav	MSJadhav	MSJadhav	MSJadhav
22	SONA AARATI DAYARAM	ADSONA	ADSONA	ADSONA	ADSONA	ADSONA	ADSONA	ADSONA	ADSONA	ADSONA	ADSONA	ADSONA	ADSONA
23	CHHEDA ARPIT MANISH	MSHERE	MSHERE	MSHERE	MSHERE	MSHERE	MSHERE	MSHERE	MSHERE	MSHERE	MSHERE	MSHERE	MSHERE
24	SHERE AKASH GAJANAN	ASHERE	ASHERE	ASHERE	ASHERE	ASHERE	ASHERE	ASHERE	ASHERE	ASHERE	ASHERE	ASHERE	ASHERE
25	PAWAR SWAPNIL SATYAWAN	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP
26	SAVANT ANIKET TUKARAM	ASavant	ASavant	ASavant	ASavant	ASavant	ASavant	ASavant	ASavant	ASavant	ASavant	ASavant	ASavant
27	PANIGRAHY SWATI SANTANU	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
28	MORE BABITA VIJAY	B.MORE	B.MORE	B.MORE	B.MORE	B.MORE	B.MORE	B.MORE	B.MORE	B.MORE	B.MORE	B.MORE	B.MORE
29	THAKUR CHHAYA SUBODH	THakur	THakur	THakur	THakur	THakur	THakur	THakur	THakur	THakur	THakur	THakur	THakur
30	SHARAMA MOHINI DHARMENDRA	MDS	MDS	MDS	MDS	MDS	MDS	MDS	MDS	MDS	MDS	MDS	MDS

Instrumental



31	PACHANGE DHANASHREE UDDHAV	Dkunch		Dheerai		Dhensha		Dhesam		Ehrand		Dhrana	
32	ADSUL SHRUTIKA DHANANJI												
33	LOKHANDE JYOTSNA BHARAT	Jyotsna		Jyotsna		Jyotsna		Jyotsna		Jyotsna		Jyotsna	Jyotsna
34	KAJALE PRASHANT BHAURAO												
35	PATIL DNYANESHVARI MILIND	D.M.P	D.M.P	D.M.P		D.M.P	D.M.P		D.M.P	D.M.P	D.M.P	D.M.P	D.M.P
36	MEHER SHRUTI UMESH	Shreha		Shreha	Shreha			Shreha	Shreha	Shreha		Shreha	Shreha
37	NAIK VRUSHALI NITIN	Naitik		Naitik		Naitik	Naitik		Naitik	Naitik		Naitik	Naitik
38	GOUD KALPANA DILIP		Kalpna			Kalpna			Kalpna			Kalpna	
39	PATIL ANJALI LAXMAN	Anjali		Anjali	Anjali		Anjali		Anjali	Anjali		Anjali	
40	SAVE KRUSHIK SACHIN	Sachin		Sachin		Sachin		Sachin		Sachin		Sachin	
41	PATIL JIDNESH PRADIP	J.P.Patil	J.P.Patil	J.P.Patil		J.P.Patil		J.P.Patil		J.P.Patil	J.P.Patil	J.P.Patil	J.P.Patil
42	MORE ACHALA DEEPAK	A.More	A.More	A.More		A.More	A.More		A.More	A.More		A.More	A.More
43	MASARE ANUJA POPAT	Anusara	Anusara	Anusara		Anusara	Anusara		Anusara	Anusara		Anusara	Anusara
44	SURYWANSHI RAGINI VIDHYADHAR	Ragini		Ragini		Ragini		Ragini		Ragini		Ragini	Ragini
45	VADE SANJEET UMESH		Aadeef		Sanjeet		Sanjeet		Sanjeet		Sanjeet		Sanjeet
46	PATIL TANVI SNJAY	T.Patil	T.Patil	T.Patil		T.Patil	T.Patil		T.Patil	T.Patil		T.Patil	T.Patil
47	RAUT VAIDEHI NIRAJ	VRaut		VRaut	VRaut		VRaut		VRaut	VRaut		VRaut	VRaut
48	KHALIFA AYESHA NAJEEB	Ayesha		Ayesha		Ayesha		Ayesha		Ayesha		Ayesha	Ayesha
49	SHAIKH SHAFIQUE MUSARRAT	Shafiq		Shafiq	Shafiq		Shafiq		Shafiq	Shafiq		Shafiq	Shafiq
50	MAHAJAN YOGESH VIJAY	Yogesh		Yogesh	Yogesh		Yogesh		Yogesh	Yogesh		Yogesh	Yogesh
51	DHERE NISHA JALINDAR	Nisha		Nisha		Nisha		Nisha		Nisha		Nisha	Nisha
52	VINKAR SAPANA RAMESH	Sapana		Sapana		Sapana		Sapana		Sapana		Sapana	Sapana
53	BORASE BHAVESH DILIP	B.B.D		B.B.D		B.B.D		B.B.D		B.B.D		B.B.D	B.B.D
54	SHINDE ANKIT BABASAHEB	ABSHINDE	ABSHINDE	ABSHINDE		ABSHINDE		ABSHINDE		ABSHINDE	ABSHINDE	ABSHINDE	ABSHINDE
55	MACHHI KAUSHAL BHAGWAN	Kaushal		Kaushal		Kaushal		Kaushal		Kaushal		Kaushal	Kaushal
56	VAZE SHUBHAM RAJESH	Shubham		Shubham		Shubham		Shubham		Shubham		Shubham	Shubham
57	THAKUR YADNYESH NARESH	Yadnyesh		Yadnyesh		Yadnyesh		Yadnyesh		Yadnyesh		Yadnyesh	Yadnyesh
58	GAWAD ROHIT JAYESH	R.Gawad	R.Gawad		R.Gawad		R.Gawad		R.Gawad		R.Gawad		R.Gawad
59	PATIL ANIKET RAJENDRA	Aniket		Aniket		Aniket		Aniket		Aniket		Aniket	Aniket
60	BARAD SANJAY MAHADU	Barad	Barad	Barad		Barad	Barad	Barad		Barad		Barad	Barad

O.M.P O.M.P  
Naitik  
J.P.Patil  
A.More  
Anusara

Instrumental

61	BATRA YOGESH RAMU	B/Ramu	B/Ramu	B/Ramu	B/Ramu	B/Ramu	B/Ramu	B/Ramu	B/Ramu	B/Ramu	B/Ramu	B/Ramu	B/Ramu
62	PATIL MAYURESH MAHESH	M.M.patil	M.M.patil		M.M.patil		M.M.patil	M.M.patil	M.M.patil	M.M.patil	M.M.patil	M.M.patil	M.M.patil
63	CHURI BHAGYESH VIVIEK	V.B.Churi	V.B.Churi		V.B.Churi		V.B.Churi		V.B.Churi		V.B.Churi		V.B.Churi
64	SOGALE DAKSHATA SUNIL	S.S.D.	S.S.D.	S.S.D.	S.S.D.	S.S.D.		S.S.D.		S.S.D.		S.S.D.	S.S.D.
65	TANDEL TANMAY VISHWAS	T.V.	T.V.	T.V.	T.V.		T.V.		T.V.		T.V.		T.V.
66	CHAUDHARI MAYUR RAJENDRA	M.R.Chau	M.R.Chau		M.R.Chau		M.R.Chau		M.R.Chau		M.R.Chau		M.R.Chau
67	DAVANE SHIVANI NARESH	S.N.davane	S.N.davane		S.N.davane		S.N.davane	S.N.davane	S.N.davane		S.N.davane		S.N.davane
68	PATIL KAUSTUBH PRAKASH	P.patil	P.patil	P.patil	P.patil		P.patil		P.patil		P.patil		P.patil
69	KAILUKE NIMISHA KRUSHNA	K.K.N.	K.K.N.	K.K.N.	K.K.N.	K.K.N.		K.K.N.		K.K.N.		K.K.N.	K.K.N.
70	JAINWADKAR HARDIK SUHAS	J.suhar	J.suhar	J.suhar	J.suhar	J.suhar		J.suhar	J.suhar		J.suhar		J.suhar
71	PATIL PRAJWAL TUSHAR	T.P.patil	T.P.patil		T.P.patil		T.P.patil		T.P.patil		T.P.patil		T.P.patil
72	PATKAR AKSHAY MADHUKAR	A.Patkar	A.Patkar	A.Patkar	A.Patkar		A.Patkar	A.Patkar		A.Patkar		A.Patkar	A.Patkar
73	GADKAR POORNA SAINATH	P.S.Gadkar	P.S.Gadkar		P.S.Gadkar		P.S.Gadkar		P.S.Gadkar		P.S.Gadkar		P.S.Gadkar
74	PUNJARA ANKITA SURESH	A.Punjar	A.Punjar	A.Punjar	A.Punjar		A.Punjar		A.Punjar		A.Punjar		A.Punjar
75	AREKAR VIRAJ BHALCHANDRA	V.A.Arekar	V.A.Arekar		V.A.Arekar		V.A.Arekar		V.A.Arekar		V.A.Arekar		V.A.Arekar
76	MORE SRUSHTI ASHOK	S.A.more	S.A.more	S.A.more	S.A.more		S.A.more		S.A.more		S.A.more		S.A.more
77	CHAMARE RIYA YOGENDRA	R.Chamare	R.Chamare	R.Chamare	R.Chamare		R.Chamare		R.Chamare		R.Chamare		R.Chamare
78	MEHER SRUSHTI NILESH	S.N.meher	S.N.meher	S.N.meher	S.N.meher		S.N.meher		S.N.meher		S.N.meher		S.N.meher
79	ADHIKARI PRATIKSHA SANTOSH	P.Adikari	P.Adikari		P.Adikari		P.Adikari		P.Adikari		P.Adikari		P.Adikari
80	PATIL SALONI SANTOSH	S.patil	S.patil	S.patil	S.patil	S.patil	S.patil	S.patil		S.patil		S.patil	
81	BORSE NAMRATA MANOHAR	N.M.Borse	N.M.Borse		N.M.Borse		N.M.Borse		N.M.Borse		N.M.Borse		N.M.Borse
82	BHOIR LALITA SHIVRAM	L.Bhoir	L.Bhoir		L.Bhoir		L.Bhoir		L.Bhoir		L.Bhoir		L.Bhoir
83	MACHHI ASHWINI SUBHASH	A.Machhi	A.Machhi	A.Machhi		A.Machhi		A.Machhi		A.Machhi		A.Machhi	A.Machhi
84	PATIL SAKSHI RAJESH	S.Patil	S.Patil	S.Patil	S.Patil	S.Patil		S.Patil		S.Patil		S.Patil	S.Patil
85	BARII HARSHMI ARUN	H.Barii	H.Barii	H.Barii	H.Barii		H.Barii		H.Barii		H.Barii		H.Barii
86	THAKUR SNEHA VINOD	S.Thakur	S.Thakur	S.Thakur		S.Thakur		S.Thakur		S.Thakur		S.Thakur	S.Thakur
87	NAGAR ISHWAR SAUBHASHCHANDRA	I.Nagar	I.Nagar	I.Nagar		I.Nagar		I.Nagar		I.Nagar		I.Nagar	I.Nagar
88	SAROJ DEEPNARAYAN HAWALADAR	S.H.	S.H.	S.H.	S.H.	S.H.	S.H.	S.H.		S.H.		S.H.	S.H.
89	DABHADE ANKUSH TUKARAM	A.Dabha	A.Dabha		A.Dabha		A.Dabha	A.Dabha	A.Dabha		A.Dabha		A.Dabha
90	KOKATE PRIYANKA SHIVAJI	K.K.	K.K.	K.K.	K.K.	K.K.		K.K.		K.K.		K.K.	K.K.

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91	SHINDE NIKHIL ANIL	<del>Shinde</del>	<del>Shinde</del>	<del>Shinde</del>	<del>Shinde</del>	<del>Shinde</del>	<del>Shinde</del>	<del>Shinde</del>	<del>Shinde</del>	<del>Shinde</del>	<del>Shinde</del>	<del>Shinde</del>
92	PATHAK JYOTI MAHANAND	<del>Pathak</del>	<del>Pathak</del>	<del>Pathak</del>	<del>Pathak</del>	<del>Pathak</del>	<del>Pathak</del>	<del>Pathak</del>	<del>Pathak</del>	<del>Pathak</del>	<del>Pathak</del>	<del>Pathak</del>
93	SHARMA KOMAL SUSHIL	<del>SK</del>	<del>SK</del>	<del>SK</del>	<del>SK</del>	<del>SK</del>	<del>SK</del>	<del>SK</del>	<del>SK</del>	<del>SK</del>	<del>SK</del>	<del>SK</del>
94	YADAV ABHISHEK VIRENDRA	<del>Yadav</del>	<del>Yadav</del>	<del>Yadav</del>	<del>Yadav</del>	<del>Yadav</del>	<del>Yadav</del>	<del>Yadav</del>	<del>Yadav</del>	<del>Yadav</del>	<del>Yadav</del>	<del>Yadav</del>
95	ANSARI SHABANA YUNUS	<del>AS</del>	<del>AS</del>	<del>AS</del>	<del>AS</del>	<del>AS</del>	<del>AS</del>	<del>AS</del>	<del>AS</del>	<del>AS</del>	<del>AS</del>	<del>AS</del>
96	PATIL HRUSHIKESH RAMKRISHNA	<del>H.P.R.</del>	<del>H.P.R.</del>	<del>H.P.R.</del>	<del>H.P.R.</del>	<del>H.P.R.</del>	<del>H.P.R.</del>	<del>H.P.R.</del>	<del>H.P.R.</del>	<del>H.P.R.</del>	<del>H.P.R.</del>	<del>H.P.R.</del>
97	WAGHMARE AKSHATA TANAJI	<del>Waghmare</del>	<del>Waghmare</del>	<del>Waghmare</del>	<del>Waghmare</del>	<del>Waghmare</del>	<del>Waghmare</del>	<del>Waghmare</del>	<del>Waghmare</del>	<del>Waghmare</del>	<del>Waghmare</del>	<del>Waghmare</del>
98	PATHAN SIDDHIKA DILAWAR	<del>Pathan</del>	<del>Pathan</del>	<del>Pathan</del>	<del>Pathan</del>	<del>Pathan</del>	<del>Pathan</del>	<del>Pathan</del>	<del>Pathan</del>	<del>Pathan</del>	<del>Pathan</del>	<del>Pathan</del>
99	VISHWAKARMA ANJALI MUNNALAL	<del>Anjali</del>	<del>Anjali</del>	<del>Anjali</del>	<del>Anjali</del>	<del>Anjali</del>	<del>Anjali</del>	<del>Anjali</del>	<del>Anjali</del>	<del>Anjali</del>	<del>Anjali</del>	<del>Anjali</del>
100	GHUDE KAUSTUBHSUNIL	<del>Ksunil</del>	<del>Ksunil</del>	<del>Ksunil</del>	<del>Ksunil</del>	<del>Ksunil</del>	<del>Ksunil</del>	<del>Ksunil</del>	<del>Ksunil</del>	<del>Ksunil</del>	<del>Ksunil</del>	<del>Ksunil</del>
101	DESHMUKH HARDIK TUKARAM	<del>Deshmukh</del>	<del>Deshmukh</del>	<del>Deshmukh</del>	<del>Deshmukh</del>	<del>Deshmukh</del>	<del>Deshmukh</del>	<del>Deshmukh</del>	<del>Deshmukh</del>	<del>Deshmukh</del>	<del>Deshmukh</del>	<del>Deshmukh</del>
102	REDDY NEHA DEVENDRA	<del>NRReddy</del>	<del>NRReddy</del>	<del>NRReddy</del>	<del>NRReddy</del>	<del>NRReddy</del>	<del>NRReddy</del>	<del>NRReddy</del>	<del>NRReddy</del>	<del>NRReddy</del>	<del>NRReddy</del>	<del>NRReddy</del>
103	PAGI PRAVINA JAYAVANT	<del>Pagi</del>	<del>Pagi</del>	<del>Pagi</del>	<del>Pagi</del>	<del>Pagi</del>	<del>Pagi</del>	<del>Pagi</del>	<del>Pagi</del>	<del>Pagi</del>	<del>Pagi</del>	<del>Pagi</del>
104	MORE SNEHA JAYWANT	<del>More</del>	<del>More</del>	<del>More</del>	<del>More</del>	<del>More</del>	<del>More</del>	<del>More</del>	<del>More</del>	<del>More</del>	<del>More</del>	<del>More</del>
105	BHOIR RAJASHRI RAMESH	<del>Bhoir</del>	<del>Bhoir</del>	<del>Bhoir</del>	<del>Bhoir</del>	<del>Bhoir</del>	<del>Bhoir</del>	<del>Bhoir</del>	<del>Bhoir</del>	<del>Bhoir</del>	<del>Bhoir</del>	<del>Bhoir</del>
106	TARE DAMINI KAMLAKAR	<del>Tare</del>	<del>Tare</del>	<del>Tare</del>	<del>Tare</del>	<del>Tare</del>	<del>Tare</del>	<del>Tare</del>	<del>Tare</del>	<del>Tare</del>	<del>Tare</del>	<del>Tare</del>
107	BHOIR SAMRUDDHI KIRAN	<del>Bhoir</del>	<del>Bhoir</del>	<del>Bhoir</del>	<del>Bhoir</del>	<del>Bhoir</del>	<del>Bhoir</del>	<del>Bhoir</del>	<del>Bhoir</del>	<del>Bhoir</del>	<del>Bhoir</del>	<del>Bhoir</del>
108	VAYADA NAMITA VASANT	<del>Namita</del>	<del>Namita</del>	<del>Namita</del>	<del>Namita</del>	<del>Namita</del>	<del>Namita</del>	<del>Namita</del>	<del>Namita</del>	<del>Namita</del>	<del>Namita</del>	<del>Namita</del>
109	PATIL VIDHI VILAS	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>
110	GOWARI SANSKRUTI KISAN	<del>Gowari</del>	<del>Gowari</del>	<del>Gowari</del>	<del>Gowari</del>	<del>Gowari</del>	<del>Gowari</del>	<del>Gowari</del>	<del>Gowari</del>	<del>Gowari</del>	<del>Gowari</del>	<del>Gowari</del>
111	WANI YASH DHANRAJ	<del>Wani</del>	<del>Wani</del>	<del>Wani</del>	<del>Wani</del>	<del>Wani</del>	<del>Wani</del>	<del>Wani</del>	<del>Wani</del>	<del>Wani</del>	<del>Wani</del>	<del>Wani</del>
112	CHAUHAN ANAND SARNATH	<del>Chauhan</del>	<del>Chauhan</del>	<del>Chauhan</del>	<del>Chauhan</del>	<del>Chauhan</del>	<del>Chauhan</del>	<del>Chauhan</del>	<del>Chauhan</del>	<del>Chauhan</del>	<del>Chauhan</del>	<del>Chauhan</del>
113	TARE MOHIT ANIL	<del>Tare</del>	<del>Tare</del>	<del>Tare</del>	<del>Tare</del>	<del>Tare</del>	<del>Tare</del>	<del>Tare</del>	<del>Tare</del>	<del>Tare</del>	<del>Tare</del>	<del>Tare</del>
114	ERANDE SANKET BABAN	<del>Sanket</del>	<del>Sanket</del>	<del>Sanket</del>	<del>Sanket</del>	<del>Sanket</del>	<del>Sanket</del>	<del>Sanket</del>	<del>Sanket</del>	<del>Sanket</del>	<del>Sanket</del>	<del>Sanket</del>
115	MAHADIK NIRANJAN SHRIKRUSHNA	<del>Mahadik</del>	<del>Mahadik</del>	<del>Mahadik</del>	<del>Mahadik</del>	<del>Mahadik</del>	<del>Mahadik</del>	<del>Mahadik</del>	<del>Mahadik</del>	<del>Mahadik</del>	<del>Mahadik</del>	<del>Mahadik</del>
116	RAUT AAKANKSHA SUNIL	<del>Raut</del>	<del>Raut</del>	<del>Raut</del>	<del>Raut</del>	<del>Raut</del>	<del>Raut</del>	<del>Raut</del>	<del>Raut</del>	<del>Raut</del>	<del>Raut</del>	<del>Raut</del>
117	SANKHE BHAKTI SHYAM	<del>Sankhe</del>	<del>Sankhe</del>	<del>Sankhe</del>	<del>Sankhe</del>	<del>Sankhe</del>	<del>Sankhe</del>	<del>Sankhe</del>	<del>Sankhe</del>	<del>Sankhe</del>	<del>Sankhe</del>	<del>Sankhe</del>
118	DHANMEHER GAURI NARENDRA	<del>Dhanmeher</del>	<del>Dhanmeher</del>	<del>Dhanmeher</del>	<del>Dhanmeher</del>	<del>Dhanmeher</del>	<del>Dhanmeher</del>	<del>Dhanmeher</del>	<del>Dhanmeher</del>	<del>Dhanmeher</del>	<del>Dhanmeher</del>	<del>Dhanmeher</del>
119	DHANPAL SHUBHAM KRISHNA	<del>Dhanpal</del>	<del>Dhanpal</del>	<del>Dhanpal</del>	<del>Dhanpal</del>	<del>Dhanpal</del>	<del>Dhanpal</del>	<del>Dhanpal</del>	<del>Dhanpal</del>	<del>Dhanpal</del>	<del>Dhanpal</del>	<del>Dhanpal</del>
120	PATIL SIDDHARTH DINESH	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>

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121	SINGH ROHIT KUMAR BASHISTH	Rohit	Rohit	Rohit	Rohit	Rohit			Rohit	Rohit	Rohit	Rohit	Rohit	
122	YADAV MANISH VIJAY	Manish	Manish		Manish	Manish		Manish	Manish	Manish	Manish	Manish	Manish	Manish
123	CHAURASIYA RAJESH BIRENDRA	Rajesh	Rajesh		Rajesh	Rajesh		Rajesh	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh
124	SHARMA SHRADHA SHIVSHANKAR	Shradha	Shradha		Shradha	Shradha		Shradha	Shradha	Shradha	Shradha	Shradha	Shradha	Shradha
125	DOKE PRITI PANDURANG	Priya	Priya		Priya	Priya		Priya	Priya	Priya	Priya	Priya	Priya	Priya
126	KATKAR SHWETA SANDESH	Shweta	Shweta		Shweta	Shweta		Shweta	Shweta	Shweta	Shweta	Shweta	Shweta	Shweta
127	GANJAVE PRIYANKA VALIBA	Priyanka	Priyanka		Priyanka	Priyanka		Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka
128	NAIK UNNATI ANIL	Unnati	Unnati		Unnati	Unnati		Unnati	Unnati	Unnati	Unnati	Unnati	Unnati	Unnati
129	PATIL ADITI KONDYA	Aditi	Aditi		Aditi	Aditi		Aditi	Aditi	Aditi	Aditi	Aditi	Aditi	Aditi
130	SAGANE VIRAJ SHANKAR	Viraj		Viraj	Viraj	Viraj		Viraj	Viraj	Viraj	Viraj	Viraj	Viraj	Viraj
131	BHURKUD SAGAR SHANKAR	Sagar		Sagar	Sagar	Sagar		Sagar	Sagar	Sagar	Sagar	Sagar	Sagar	Sagar
132	PAWAR SUMIT RAMAKANT	Sumit	Sumit		Sumit	Sumit		Sumit	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit
133	RAUT MAYUR KAMALAKAR	Mayur	Mayur		Mayur	Mayur		Mayur	Mayur	Mayur	Mayur	Mayur	Mayur	Mayur
134	PATIL YADNESH MANIK	Yadnesh	Yadnesh		Yadnesh	Yadnesh		Yadnesh	Yadnesh	Yadnesh	Yadnesh	Yadnesh	Yadnesh	Yadnesh
135	PATIL HARSHALI BALWANT	Harshali	Harshali		Harshali	Harshali		Harshali	Harshali	Harshali	Harshali	Harshali	Harshali	Harshali
136	JADHAV ANKUSH SUKARYA	Ankush	Ankush		Ankush	Ankush		Ankush	Ankush	Ankush	Ankush	Ankush	Ankush	Ankush
137	PATIL ADITYA VAKESH	Aditya	Aditya		Aditya	Aditya		Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya
138	JADHAV SUDARSHAN MAHATMA	J.S.M.	J.S.M.		J.S.M.	J.S.M.		J.S.M.	J.S.M.	J.S.M.	J.S.M.	J.S.M.	J.S.M.	J.S.M.
139	CHAUHAN POOJA SHIVBRAT	Pooja	Pooja		Pooja	Pooja		Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja
140	YADAV POOJA RAMAKANT	Pooja	Pooja		Pooja	Pooja		Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja
141	KUSHWAHA SUNILKUMAR BHULAN	Sunil	Sunil		Sunil	Sunil		Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil
142	KHAN ASIF MUNAWWAR	Asif	Asif		Asif	Asif		Asif	Asif	Asif	Asif	Asif	Asif	Asif
143	PATIL MANESH SURESH	Manesh	Manesh		Manesh	Manesh		Manesh	Manesh	Manesh	Manesh	Manesh	Manesh	Manesh
144	VISHWAKARMA RINKU HEERARAM	Rinku	Rinku		Rinku	Rinku		Rinku	Rinku	Rinku	Rinku	Rinku	Rinku	Rinku
145	GUPTA ABHINANDAN VINODKUMAR	Abhinandan	Abhinandan		Abhinandan	Abhinandan		Abhinandan	Abhinandan	Abhinandan	Abhinandan	Abhinandan	Abhinandan	Abhinandan
146	BHONE SAKSHI JAGDISH	Sakshi	Sakshi		Sakshi	Sakshi		Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
147	MACHHI CHANCHAL BHANUDAS	Chanchal	Chanchal		Chanchal	Chanchal		Chanchal	Chanchal	Chanchal	Chanchal	Chanchal	Chanchal	Chanchal
148	YADAV POOJA SHIVDHANI	Pooja	Pooja		Pooja	Pooja		Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja
149	PATIL MAYUR DNYANESHWAR	Mayur	Mayur		Mayur	Mayur		Mayur	Mayur	Mayur	Mayur	Mayur	Mayur	Mayur
150	MANDAL SACHIN SARWAN	Sachin	Sachin		Sachin	Sachin		Sachin	Sachin	Sachin	Sachin	Sachin	Sachin	Sachin

Aditi Aditi  
Viraj Viraj

Ruk Ruk

Pooja Pooja

Asf Asf

Rinku Rinku

Instrumental

151	MALI YOGESH SUNIL	<del>Yogesh</del>	<del>Yogesh</del>	<del>Yogesh</del>		<del>Yogesh</del>	<del>Yogesh</del>	<del>Yogesh</del>	<del>Yogesh</del>	<del>Yogesh</del>	<del>Yogesh</del>	
152	VACHAKAL NIKITA SHIVAJI	<del>Nikita</del>	<del>Nikita</del>	<del>Nikita</del>	<del>Nikita</del>	<del>Nikita</del>	<del>Nikita</del>	<del>Nikita</del>	<del>Nikita</del>	<del>Nikita</del>	<del>Nikita</del>	<del>Nikita</del>
153	THAKARE PRATHAMESH UDAY											
154	SINGH SONAKUMAR PREM											
155	CHAUDHARI VISHAL DILIP	<del>Vishal</del>	<del>Vishal</del>	<del>Vishal</del>	<del>Vishal</del>	<del>Vishal</del>	<del>Vishal</del>	<del>Vishal</del>	<del>Vishal</del>	<del>Vishal</del>	<del>Vishal</del>	<del>Vishal</del>
156	MAHAJAN AKSHAY SANDIP	<del>Akshay</del>	<del>Akshay</del>	<del>Akshay</del>	<del>Akshay</del>	<del>Akshay</del>	<del>Akshay</del>	<del>Akshay</del>	<del>Akshay</del>	<del>Akshay</del>	<del>Akshay</del>	<del>Akshay</del>
157	GAIKWAD RUTUJA MAHADEV											
158	DHAPSHI AWDHESH SADANAND	<del>Akshay</del>	<del>Akshay</del>	<del>Akshay</del>	<del>Akshay</del>	<del>Akshay</del>	<del>Akshay</del>	<del>Akshay</del>	<del>Akshay</del>	<del>Akshay</del>	<del>Akshay</del>	<del>Akshay</del>
159	SANKHE SWAPNIL PRALHAD	<del>Swapnil</del>	<del>Swapnil</del>	<del>Swapnil</del>	<del>Swapnil</del>	<del>Swapnil</del>	<del>Swapnil</del>	<del>Swapnil</del>	<del>Swapnil</del>	<del>Swapnil</del>	<del>Swapnil</del>	<del>Swapnil</del>
160	NAIK NIKITA SUBHASH	<del>Nikita</del>	<del>Nikita</del>	<del>Nikita</del>	<del>Nikita</del>	<del>Nikita</del>	<del>Nikita</del>	<del>Nikita</del>	<del>Nikita</del>	<del>Nikita</del>	<del>Nikita</del>	<del>Nikita</del>
161	PATIL RAISHREE VIJAY	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>
162	GHARAT PRATIK VINOD	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>
163	SHIVGAN SAHILI SUDHAKAR											
164	PATIL SHWETA NAMDEV	<del>Sweta</del>	<del>Sweta</del>	<del>Sweta</del>	<del>Sweta</del>	<del>Sweta</del>	<del>Sweta</del>	<del>Sweta</del>	<del>Sweta</del>	<del>Sweta</del>	<del>Sweta</del>	<del>Sweta</del>
165	PATIL RUCHITA PRAKASH	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>
166	MERE JITESH VIJAY	<del>Vijay</del>	<del>Vijay</del>	<del>Vijay</del>	<del>Vijay</del>	<del>Vijay</del>	<del>Vijay</del>	<del>Vijay</del>	<del>Vijay</del>	<del>Vijay</del>	<del>Vijay</del>	<del>Vijay</del>
167	MORE SAKSHI VINOD	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>
168	MEHER UDDHAV RADHESHYAM											
169	PALKAR TEJAL CHANDRAPRAKASH	<del>Tejal</del>	<del>Tejal</del>	<del>Tejal</del>	<del>Tejal</del>	<del>Tejal</del>	<del>Tejal</del>	<del>Tejal</del>	<del>Tejal</del>	<del>Tejal</del>	<del>Tejal</del>	<del>Tejal</del>
170	SANKHE PRATHAMESH SURESH	<del>Suresh</del>	<del>Suresh</del>	<del>Suresh</del>	<del>Suresh</del>	<del>Suresh</del>	<del>Suresh</del>	<del>Suresh</del>	<del>Suresh</del>	<del>Suresh</del>	<del>Suresh</del>	<del>Suresh</del>
171	SAHANI GUDIYA GULABCHAND	<del>Gudiya</del>	<del>Gudiya</del>	<del>Gudiya</del>	<del>Gudiya</del>	<del>Gudiya</del>	<del>Gudiya</del>	<del>Gudiya</del>	<del>Gudiya</del>	<del>Gudiya</del>	<del>Gudiya</del>	<del>Gudiya</del>
172	JHA ABHISHEK SHASHIKANT	<del>A.S.J</del>	<del>A.S.J</del>	<del>A.S.J</del>	<del>A.S.J</del>	<del>A.S.J</del>	<del>A.S.J</del>	<del>A.S.J</del>	<del>A.S.J</del>	<del>A.S.J</del>	<del>A.S.J</del>	<del>A.S.J</del>
173	CHAUHAN POONAM DURGAPRASAD	<del>Poonam</del>	<del>Poonam</del>	<del>Poonam</del>	<del>Poonam</del>	<del>Poonam</del>	<del>Poonam</del>	<del>Poonam</del>	<del>Poonam</del>	<del>Poonam</del>	<del>Poonam</del>	<del>Poonam</del>
174	MAURYA SONAMKUMARI RAMLAKHAN	<del>Sonam</del>	<del>Sonam</del>	<del>Sonam</del>	<del>Sonam</del>	<del>Sonam</del>	<del>Sonam</del>	<del>Sonam</del>	<del>Sonam</del>	<del>Sonam</del>	<del>Sonam</del>	<del>Sonam</del>
175	CHAUHAN POOJA DURGAPRASAD	<del>Pooja</del>	<del>Pooja</del>	<del>Pooja</del>	<del>Pooja</del>	<del>Pooja</del>	<del>Pooja</del>	<del>Pooja</del>	<del>Pooja</del>	<del>Pooja</del>	<del>Pooja</del>	<del>Pooja</del>
176	PATIL RHUTUJA VINOD	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>	<del>Pratik</del>
177	ADHIKARI VEDIKA BABAN	<del>Vedika</del>	<del>Vedika</del>	<del>Vedika</del>	<del>Vedika</del>	<del>Vedika</del>	<del>Vedika</del>	<del>Vedika</del>	<del>Vedika</del>	<del>Vedika</del>	<del>Vedika</del>	<del>Vedika</del>
178	RAVATE AAKASH TUKARAM	<del>A.R</del>	<del>A.R</del>	<del>A.R</del>	<del>A.R</del>	<del>A.R</del>	<del>A.R</del>	<del>A.R</del>	<del>A.R</del>	<del>A.R</del>	<del>A.R</del>	<del>A.R</del>
179	YADAV KHUSHBU SANTLAL	<del>Khushbu</del>	<del>Khushbu</del>	<del>Khushbu</del>	<del>Khushbu</del>	<del>Khushbu</del>	<del>Khushbu</del>	<del>Khushbu</del>	<del>Khushbu</del>	<del>Khushbu</del>	<del>Khushbu</del>	<del>Khushbu</del>
180	SHAIKH SHAHID MUSTAKIM	<del>Shahid</del>	<del>Shahid</del>	<del>Shahid</del>	<del>Shahid</del>	<del>Shahid</del>	<del>Shahid</del>	<del>Shahid</del>	<del>Shahid</del>	<del>Shahid</del>	<del>Shahid</del>	<del>Shahid</del>
181	SOGALE BHAVESH SANTOSH	<del>Bhavesh</del>	<del>Bhavesh</del>	<del>Bhavesh</del>	<del>Bhavesh</del>	<del>Bhavesh</del>	<del>Bhavesh</del>	<del>Bhavesh</del>	<del>Bhavesh</del>	<del>Bhavesh</del>	<del>Bhavesh</del>	<del>Bhavesh</del>

Instrumental

182	YEOLE YASH YOGIRAJ	Yeole	Yeole	Yeole	Yeole	Yeole	Yeole	Yeole	Yeole	Yeole	Yeole	Yeole	Yeole	Yeole
183	JHA ROSHAN ARUNKANT	RATHA	RATHA	RATHA	RATHA	RATHA	RATHA	RATHA	RATHA	RATHA	RATHA	RATHA	RATHA	RATHA
184	MORE RAKSHAK RAKESH	Rmore	Rmore	Rmore	Rmore	Rmore	Rmore	Rmore	Rmore	Rmore	Rmore	Rmore	Rmore	Rmore
185	SHAIKH AAMIR ASIF	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh
186	PIMPLE SUCHI SANTOSH	Puul	Puul	Puul	Puul	Puul	Puul	Puul	Puul	Puul	Puul	Puul	Puul	Puul
187	MAHARA NARU PADAMBHADUR	Mahara	Mahara	Mahara	Mahara	Mahara	Mahara	Mahara	Mahara	Mahara	Mahara	Mahara	Mahara	Mahara
188	MANE SHUBHANGI APPASAHEB	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane
189	TAWADE NEHA SANTOSH	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha
190	BEHERA AKASH PADMACHARAN	Behera	Behera	Behera	Behera	Behera	Behera	Behera	Behera	Behera	Behera	Behera	Behera	Behera
191	THAKUR ROSHANI SHAILESH													
192	PATIL CHINMAY DEVANAND	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
193	PATIL RUTIK RAJENDRA	Rtik	Rtik	Rtik	Rtik	Rtik	Rtik	Rtik	Rtik	Rtik	Rtik	Rtik	Rtik	Rtik
194	CHAKRABORTI NIKHIL RAVINDRA	CRUR	CRUR	CRUR	CRUR	CRUR	CRUR	CRUR	CRUR	CRUR	CRUR	CRUR	CRUR	CRUR
195	HARDAS PRATIKSHA GULAB	HARD	HARD	HARD	HARD	HARD	HARD	HARD	HARD	HARD	HARD	HARD	HARD	HARD
196	ADHIKARI RIYA SUBHASH	Riya	Riya	Riya	Riya	Riya	Riya	Riya	Riya	Riya	Riya	Riya	Riya	Riya
197	YADAV ABHISHEK INDRADEO	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav
198	DHANU SRUSHTI RAJESH	SDHANU	SDHANU	SDHANU	SDHANU	SDHANU	SDHANU	SDHANU	SDHANU	SDHANU	SDHANU	SDHANU	SDHANU	SDHANU
199	GUPTA JYOTI MANOJ	Gupta	Gupta	Gupta	Gupta	Gupta	Gupta	Gupta	Gupta	Gupta	Gupta	Gupta	Gupta	Gupta
200	PATIL OMKAR SUBHASH	OMKAR	OMKAR	OMKAR	OMKAR	OMKAR	OMKAR	OMKAR	OMKAR	OMKAR	OMKAR	OMKAR	OMKAR	OMKAR
201	MANE SULBHA DATTATRAY	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane
202	KHETAL SUDHAKAR, BALARAM	uss	uss	uss	uss	uss	uss	uss	uss	uss	uss	uss	uss	uss
203	YADAV SACHIN BADHU	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav
204	DAS HIRAN GAJENDRA	DASA	DASA	DASA	DASA	DASA	DASA	DASA	DASA	DASA	DASA	DASA	DASA	DASA
205	BHOSALE VICKY VISHWANATH	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale
206	PATIL HIMANSHU MAHESH													
207	GHARAT NAMIT ASHOK	GHARAT	GHARAT	GHARAT	GHARAT	GHARAT	GHARAT	GHARAT	GHARAT	GHARAT	GHARAT	GHARAT	GHARAT	GHARAT
208	PRAJAPATI KOMAL SANTOSHKUMAR	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal
209	YADAV KANCHAN AVDHESH	Kanchan	Kanchan	Kanchan	Kanchan	Kanchan	Kanchan	Kanchan	Kanchan	Kanchan	Kanchan	Kanchan	Kanchan	Kanchan
210	BANGAR NEHA SATISH	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha
211	VAYEDA AJAY BACHCHU	VBACH	VBACH	VBACH	VBACH	VBACH	VBACH	VBACH	VBACH	VBACH	VBACH	VBACH	VBACH	VBACH
212	PATIL SURAJ KIRAN	SPATIL	SPATIL	SPATIL	SPATIL	SPATIL	SPATIL	SPATIL	SPATIL	SPATIL	SPATIL	SPATIL	SPATIL	SPATIL

Yeole  
RATHA  
Rmore  
Shaikh  
Puul  
Mahara  
Mane  
Neha  
Behera  
Patil  
Rtik  
CRUR  
HARD  
Riya  
Yadav  
SDHANU  
Gupta  
OMKAR  
Mane  
uss  
Yadav  
DASA  
Bhosale  
GHARAT  
Komal  
Kanchan  
Neha  
VBACH  
SPATIL

shaikh shaikh  
Mahara Mahara  
Patil Patil  
rti rti  
kmal kmal  
kmal kmal  
OMKAR OMKAR  
Mane Mane  
Yadav Yadav  
DASA  
Bhosale  
Komal kmal  
Kanchan  
Neha  
Neha

Instrumental

## SUMMARY REPORT

Certificate Course in Instrumental Analysis was conducted for the students of S.Y.B.Sc. Students were trained for basic handling of apparatus, chemical calculations, preparation of standard solutions.

A certificate course in instrumental analysis provides several benefits to learners. It enhances their skills and knowledge in the field of chemistry.

The course helps to develop a solid understanding of various analytical techniques and methods used in the laboratory and theoretical concepts. Learners gain hands-on experience in using instruments and correct way to handle apparatus.

A certificate in this course adds an advantage to learner's resume. Various sophisticated instruments are widely used in industries, acquiring skills in this area can makes the learner highly relevant and valuable in these sectors, as they can immensely contribute to various areas in the industry.

Course Commencement: 04/11/2019

Course Completion: 28/12/2019

Number of students enrolled for the course: 212

Number of students completed the course: 212

Duration of the course: 42 hours



**Dr. Suhas Janwadkar**

**HOD - Chemistry**

## FEEDBACK FORM

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

Internal Quality Assurance Cell

Feedback Form on Certificate Course for Undergraduate in  
Chemistry

Name: Baxi Sakshi M.

26.12.2019

Class: SY BSc

Roll No.: \_\_\_\_\_

Sr.No.	Parameters	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	After completing this course, my knowledge in the topic has increased.	✓				
2	This course increased my interest in chemistry related topics.	✓				
3	The teacher communicated clearly and effectively	✓				
4	The teacher encouraged feedback, class participation and interaction	✓				
5	The course started and ended on schedule	✓				
6	Course objectives were clearly presented	✓				
7	Course material was well prepared	✓				
8	The course developed my understanding of concepts and principles	✓				

S. Baxi  
Signature of student



## **ACTION PHOTOGRAPHS**



**ASST.PROF. MADHURI VARMA DEMONSTRATING  
COMPLEXOMETRIC TITRATIONS**

## SAMPLE CERTIFICATES



**SONOPANT DANDEKAR SHIKSHAN MANDALI'S**  
**Sonopant Dandekar Arts, V.S. Apte Commerce &**  
**M.H. Mehta Science College, Palghar**

# Certificate OF COMPLETION

This is to certify that

**Ms. MORE BABITA VIJAY**

*had successfully completed*

**Certificate course in Instrumental Analysis**



*Dandekar*

Head

Department of Chemistry

*M. Deshmukh*

CFEI - Chairman

*K. Sane*

Principal

Principal  
Sonopant Dandekar Arts College,  
V.S. Apte Commerce College &  
M.H. Mehta Science College  
PALGHAR (W.R.)  
Dist. Palghar, Pin-401404



DATE :12/02/2020



**SONOPANT DANDEKAR SHIKSHAN MANDALI'S**  
**Sonopant Dandekar Arts, V.S. Apte Commerce &**  
**M.H. Mehta Science College, Palghar**

# **Certificate**

## **OF COMPLETION**

This is to certify that

**Ms. TARE RUTUJA BHUPESH**

*had successfully completed*

**Certificate course in Instrumental Analysis**



*Tamle*

Head

Department of Chemistry

*M. Deshmukh*

CFEI - Chairman

*K. Sane*

Principal  
Sonopant Dandekar Arts College,  
V.S. Apte Commerce College &  
M.H. Mehta Science College  
PALGHAR (W.R.)  
Dist. Palghar, Pin-401404



DATE : 12/02/2020



**SONOPANT DANDEKAR SHIKSHAN MANDALI'S**  
**Sonopant Dandekar Arts, V.S. Apte Commerce &**  
**M.H. Mehta Science College, Palghar**

# **Certificate**

## **OF COMPLETION**

This is to certify that

**Mr. Janwadkar Hardik Suhas**

*had successfully completed*

**Certificate course in Instrumental Analysis**



*Janwadkar*

Head

Department of Chemistry

*M. Deshmukh*

CFEI - Chairman

*K. Sane*

Principal  
Sonopant Dandekar Arts College,  
V.S. Apte Commerce College &  
M.H. Mehta Science College  
PALGHAR (W.R.)  
Dist. Palghar, Pin-401404



DATE : 12/02/2020