

Date: 31/01/2023

To,
The Principal,
Tularam Chaturchand College of Arts, Science and Commerce, Baramati.

Subject: Permission to arrange Six days "Hands on training programme on instrumentation techniques for M. Sc II students" under ED cell of RUSA grants.

Respected Sir,

We are willing to organize Six days "Hands on training programme for M. Sc II students on instrumentation technique" under ED cell of RUSA grants. Under this workshop we wish to organize lecture and demonstration on the different techniques in our Common Facility Centre as well as department of Chemistry. The details of training programme are as follows.


Sr. No	Name of Instrument	Time	
		11.00 to 12.15 p.m	12.45 to 2.00 p.m
1	Handling of chemicals	Presentation	Demonstration
2	High Pressure Liquid Chromatography (HPLC)		
3	FT-IR Spectroscopy (FT-IR)		
4	Atomic Absorption spectroscopy (AAS)		
5	UV- Spectroscopy		
6	Potentiometer, pH meter, Conductometry Colorimetry		


Expenditure details: $1000 \times 12 = 12000/-$
Activity Incharge = 2000/-

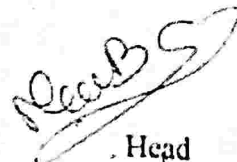
Kindly permit us for the same.

Thanking You


Co-ordinator

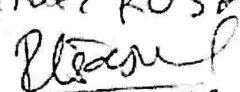

31/1/2023
ED cell
Chairman


RUSA
Co-ordinator


Head
Department of Botany

Recommended
to organize
Hands on
training program

Allowed
31.1.23

LDH Dept
Recommended
under RUSA

31/1/2023

Date: 10/2/2023

Anekant Education Society's
Tuljaram Chaturchand College of Arts, Commerce and Science, Baranasi (Uttar Pradesh)
Post Graduate Research Centre, Department of Botany
In Collaboration with Central Facility Centre and Department of Chemistry, Goranbagh

M.Sc. II (Sem II)
"6 Days Hands on Training Programme on Advanced Instrumentation Techniques"
Under ED CELL

Academic Year - 2022-23

Time	Monday (13/02/2023)	Tuesday (14/02/2023)	Wednesday (15/02/2023)	Thursday (16/02/2023)	Friday (17/02/2023)	Saturday (18/02/2023)
11.30 a.m to 12.30 p.m Venue: M. 202	Preparation and standardization of solutions (RSB)	HPLC (SPN)	UV spectroscopy (GSB)	IR spectroscopy (RSB)	Potentiometer pH Conductometry Colorimetry (SRK/ YNI)	Flame Photometry (BSM)
1.00 to 2.00 p.m. Venue: CFC/ Dept. of Chemistry	Safety working methods in laboratory (SRK/ YNI)	HPLC (GDP)	UV spectroscopy (NCD)	IR spectroscopy (KMR)	Potentiometer pH Conductometry Colorimetry (SRK/ YNI)	Microscopy MPP

Note:

This Course is compulsory and attendance is mandatory to all the students.
Registration is mandatory prior to training programme (Link will be given).

P. G.
Co-ordinator

Head
Department of Botany

Anekant Education Society's
Tuljaram Chaturehand College of Arts, Science and Commerce College, Baramati
 (Autonomous)

Post Graduate Research Centre, Department of Botany
In Collaboration with Centre Facility Centre and department of Chemistry organizing
"Hands on Training Programme on Advanced Instrumentation Techniques"

Under ED Cell

M. Sc.-II, Botany, Semester- IV (Academic Year 2022-2023).

Student Attendance

Date: 13th to 17th February, 2023.

Sr. No.	Name of Student	Roll No.	Monday 13/02/23 Session - I	Monday 13/02/23 Session - II	Tuesday 14/02/23 Session - I	Tuesday 14/02/23 Session - II	Wednesday 15/02/23 Session - I	Wednesday 15/02/23 Session - II	Thursday 16/02/23 Session - I	Thursday 16/02/23 Session - II	Friday 17/02/23 Session - I	Friday 17/02/23 Session - II
1.	Raut Shraddha Sanjay	15748	AA	S.S. Pooja	S.S. Pooja	S.S. Pooja	S.S. Pooja	S.S. Pooja	S.S. Pooja	S.S. Pooja	S.S. Pooja	S.S. Pooja
2.	Kadam Vidya Prakash	15821	Kadam V.P.	Kadam V.P.	Kadam V.P.	Kadam V.P.	Kadam V.P.	Kadam V.P.	Kadam V.P.	Kadam V.P.	Kadam V.P.	Kadam V.P.
3.	Salunkhe Mayuri Dadasaheb	15822	Salunkhe M.Y.	Salunkhe M.Y.	Salunkhe M.Y.	Salunkhe M.Y.	Salunkhe M.Y.	Salunkhe M.Y.	Salunkhe M.Y.	Salunkhe M.Y.	Salunkhe M.Y.	Salunkhe M.Y.
4.	Mali Priyanka Arjun	15823	Mali P.A.	Mali P.A.	Mali P.A.	Mali P.A.	Mali P.A.	Mali P.A.	Mali P.A.	Mali P.A.	Mali P.A.	Mali P.A.
5.	Shinde Nisha Bharat	15824	Shinde N.B.	Shinde N.B.	Shinde N.B.	Shinde N.B.	Shinde N.B.	Shinde N.B.	Shinde N.B.	Shinde N.B.	Shinde N.B.	Shinde N.B.
6.	Lonkar Srushti Dadaso	15825	Lonkar S.D.	Lonkar S.D.	Lonkar S.D.	Lonkar S.D.	Lonkar S.D.	Lonkar S.D.	Lonkar S.D.	Lonkar S.D.	Lonkar S.D.	Lonkar S.D.
7.	Bandgar Swati Shankar	15826	Bandgar S.S.	Bandgar S.S.	Bandgar S.S.	Bandgar S.S.	Bandgar S.S.	Bandgar S.S.	Bandgar S.S.	Bandgar S.S.	Bandgar S.S.	Bandgar S.S.
8.	Shinde Bhagyashri Rajendra	15827	Shinde B.R.	Shinde B.R.	Shinde B.R.	Shinde B.R.	Shinde B.R.	Shinde B.R.	Shinde B.R.	Shinde B.R.	Shinde B.R.	Shinde B.R.
9.	Vibhute Shivani Vijay	15828	Vibhute S.V.	Vibhute S.V.	Vibhute S.V.	Vibhute S.V.	Vibhute S.V.	Vibhute S.V.	Vibhute S.V.	Vibhute S.V.	Vibhute S.V.	Vibhute S.V.
10.	Torane Pooja Dilip	15829	Torane P.D.	Torane P.D.	Torane P.D.	Torane P.D.	Torane P.D.	Torane P.D.	Torane P.D.	Torane P.D.	Torane P.D.	Torane P.D.
11.	Deokate Ravina Dadasaheb	15830	Deokate R.D.	Deokate R.D.	Deokate R.D.	Deokate R.D.	Deokate R.D.	Deokate R.D.	Deokate R.D.	Deokate R.D.	Deokate R.D.	Deokate R.D.
12.	Supekar Snehal Chandrakant	15831	Supekar S.C.	Supekar S.C.	Supekar S.C.	Supekar S.C.	Supekar S.C.	Supekar S.C.	Supekar S.C.	Supekar S.C.	Supekar S.C.	Supekar S.C.
13.	Koli Akash Bhadrashwar	15832	Koli A.B.	Koli A.B.	Koli A.B.	Koli A.B.	Koli A.B.	Koli A.B.	Koli A.B.	Koli A.B.	Koli A.B.	Koli A.B.
14.	Gaikwad Uma Shiriram	15833	Gaikwad U.S.	Gaikwad U.S.	Gaikwad U.S.	Gaikwad U.S.	Gaikwad U.S.	Gaikwad U.S.	Gaikwad U.S.	Gaikwad U.S.	Gaikwad U.S.	Gaikwad U.S.
15.	More Siddhant Shivaji	15834	More S.S.	More S.S.	More S.S.	More S.S.	More S.S.	More S.S.	More S.S.	More S.S.	More S.S.	More S.S.
16.	Gaikwad Tanuja Balaso	15835	Gaikwad T.B.	Gaikwad T.B.	Gaikwad T.B.	Gaikwad T.B.	Gaikwad T.B.	Gaikwad T.B.	Gaikwad T.B.	Gaikwad T.B.	Gaikwad T.B.	Gaikwad T.B.
17.	Manedeshmukh Dipraj F.	15836	Manedeshmukh D.F.	Manedeshmukh D.F.	Manedeshmukh D.F.	Manedeshmukh D.F.	Manedeshmukh D.F.	Manedeshmukh D.F.	Manedeshmukh D.F.	Manedeshmukh D.F.	Manedeshmukh D.F.	Manedeshmukh D.F.
18.	Ligade Komal Sambhaji	15837	Ligade K.S.	Ligade K.S.	Ligade K.S.	Ligade K.S.	Ligade K.S.	Ligade K.S.	Ligade K.S.	Ligade K.S.	Ligade K.S.	Ligade K.S.
19.	Tamboli Moin Iqbal	15838	Tamboli M.I.	Tamboli M.I.	Tamboli M.I.	Tamboli M.I.	Tamboli M.I.	Tamboli M.I.	Tamboli M.I.	Tamboli M.I.	Tamboli M.I.	Tamboli M.I.

		13/02	18/02	14/02	14/02	15/02	16/02	16/02	17/02	17/02
20.	Gore Nitin Anil	AA	AA	AA	AA	AA	AA	AA	AA	AA
21.	Jadhav Pradip Gokul	AA	AA	AA	AA	AA	AA	AA	AA	AA
22.	Shaikh Faisal Siddik	AA	AA	AA	AA	AA	AA	AA	AA	AA
23.	Gaikwad Ranjiti Prakash	AA	AA	AA	AA	AA	AA	AA	AA	AA
24.	Ranaware Pratik Sujit	AA	AA	AA	AA	AA	AA	AA	AA	AA
25.	Ramdasi Nikita Mukunda	AA	AA	AA	AA	AA	AA	AA	AA	AA
26.	Raut Amit Anil	AA	AA	AA	AA	AA	AA	AA	AA	AA
27.	Wagh Snehal Sharad	AA	AA	AA	AA	AA	AA	AA	AA	AA
28.	Taware Manjusha Rajendra	AA	AA	AA	AA	AA	AA	AA	AA	AA
29.	Kale Snehal Sanjay	AA	AA	AA	AA	AA	AA	AA	AA	AA
30.	Malivasekar Asavari Mohan	AA	AA	AA	AA	AA	AA	AA	AA	AA
31.	Adat Ujwala Shankar	AA	AA	AA	AA	AA	AA	AA	AA	AA
32.	Shembade Ganesh Kisan	AA	AA	AA	AA	AA	AA	AA	AA	AA
33.	Karve Nikita Vijay	AA	AA	AA	AA	AA	AA	AA	AA	AA
34.	Gaikwad Vaibhavi Vishnu	AA	AA	AA	AA	AA	AA	AA	AA	AA
35.	Bodare Nikita Pradip	AA	AA	AA	AA	AA	AA	AA	AA	AA
36.	Sonawane Priyanka Anandrao	AA	AA	AA	AA	AA	AA	AA	AA	AA
37.	Sarade Akshada Kisan	AA	AA	AA	AA	AA	AA	AA	AA	AA
38.	Gaikwad Akanksha Bhojandas	AA	AA	AA	AA	AA	AA	AA	AA	AA
		24	29	34	34	34	35	35	35	35

(Signature)

P. G. Coordinator

(Signature)

Head
Department of Botany

T. J. Jaram Chaturvedi College of Arts, Science and Commerce College, Baramati
(Autonomous)

Post Graduate Research Centre, Department of Botany

In Collaboration with Centre Facility Centre and department of Chemistry organizing
Hands on Training Programme on Advanced Instrumentation Techniques

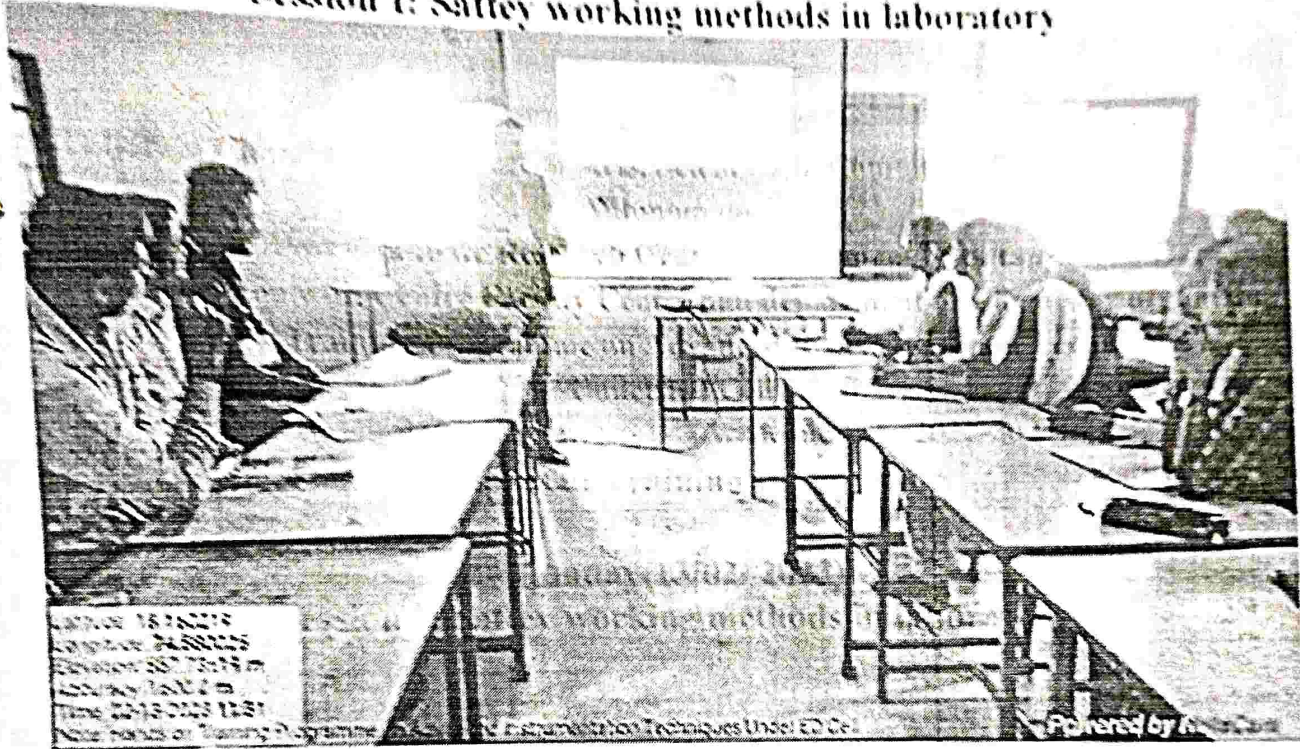
Under ED Cell

M.Sc. - II, Botany, Semester IV (Academic Year 2022-2023)

Glances of Training Programme

Monday (13/02/2023)

Session I: Saffrey working methods in laboratory



Session II : Preparation and standardization of solutions



Tuesday(14/02/ 2023)

Session I: High-Performance Liquid Chromatography(HPLC)



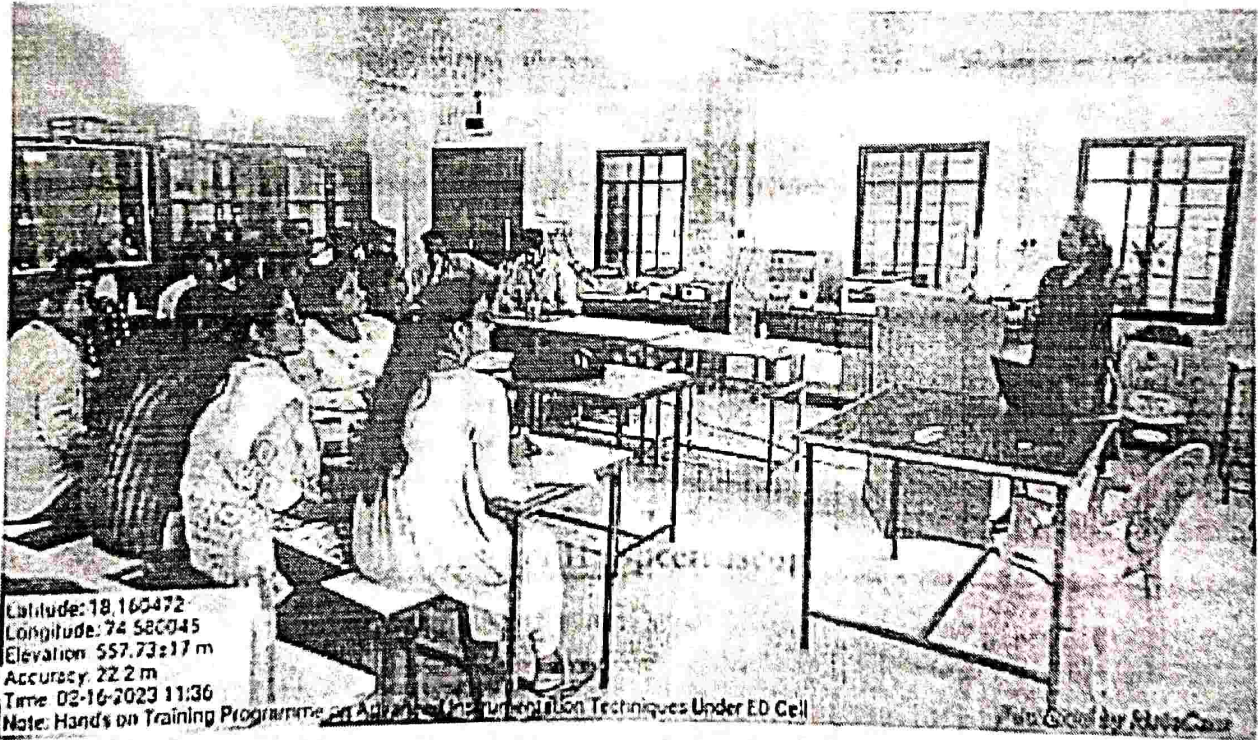
Session II: High-Performance Liquid Chromatography(HPLC)



Session I: Spectroscopy



Session II: Spectroscopy



Friday(17/02/2023)

Session II: Potentiometry, pH meter, Conductometry, Colorimetry



Friday(17/02/2023)
Session III: Microtomy



Report
of
Hands on Training Programme on Advanced Instrumentation Techniques"

UNDER ED Cell

Organized by

P.G. Research Centre, Department of Botany, T. C. College, Baramati (Autonomous)
(13th and 18th Feb. 2023, Time 11.30 a.m. to 2. 00 p.m.)

To make aware M. Sc II Botany students for interdisciplinary research work using different instrumentation techniques P.G. Research Centre, Department of Botany, T. C. College, Baramati in Collaboration with Central Facility Centre and Department of Chemistry organized "Hands on Training Programme on Advanced Instrumentation Techniques" under ED cell of RUSA. Total 12 sessions of for six days were arranged. Each day is followed by lecture on principle and working of instrument from 11.30 a.m to 12. 30 p.m and demonstration session on same instrument from 1.00 p.m to 2. 00 p.m.

The details of each day session is given as follows,

Day and Date	Time	Session Speaker	Technique
Monday 13/02/2023	11.30 a.m to 12. 30 p.m.	Dr. R. S. Bhondave	Preparation and standardization of solutions
	1.00 to 2.00 p.m.	Dr. S. R. Kale	Safety working methods in laboratory
Tuesday 14/02/2023	11.30 a.m to 12. 30 p.m.	Mrs. S.P.Nale	HPLC
	1.00 to 2.00 p.m.	Mrs. G.D.Pirale	
Wednesday 15/02/2023	11.30 a.m to 12. 30 p.m.	Prof. G. S. Bhunje	UV spectroscopy
	1.00 to 2.00 p.m.	Dr. N. C. Dige	
Thursday 16/02/2023	11.30 a.m to 12. 30 p.m.	Miss. K. M. Rupnawar	IR spectroscopy


Noted
WB / JCA
24.2

Friday 17/02/2023	1.00 to 2.00 p.m.	Dr. R. S. Bhondve	Potentiometry, pH, Conductometry Colorimetry
	11.30 a.m to 12. 30 p.m.	Prof. S. R. Kale	
Saturday 18/02/2023	1.00 to 2.00 p.m.	Dr. Y. N. Indulkar	Flame Photometry
	11.30 a.m to 12. 30 p.m.	Prof. Dr. B. S. Mali	Microtomy, Centrifugation
	1.00 to 2.00 p.m.	Dr. M. P. Patil	

Total 32 students from M. Sc II Botany were benefitted by this workshop. Students were keenly involved and attentive in all theory and demonstration sessions of six days.

We are very much thankful to Prin. Dr. Chandrashekhar V. Murumkar for permission to conduct this training programme. We are also grateful to Dr. V. C. Kakade, Chairman, F. D. cell for suggestions and guidance. Thanks are extended to Prof. Dr. Ramehnadra Sapkal, Vice – principal and RUSA Co-ordinator for his support for utilization of grants.


Co-ordinator


Head
Department of Botany