TULJARAM CHATURCHAND COLLEGE

OF ARTS, SCIENCE & COMMERCE, BARAMATI (AUTONOMOUS INSTITUTE)

DEPARTMENT OF ZOOLOGY

11/04/2022

To,

The Principal,

Tuljaram Chaturchand College of Arts, Science & Commerce,

Baramati.

Sub: Report of Workshop- DNA Barcoding: Hands on Training Module

Respected Sir,

With your prior permission, Department of Zoology had organised one day workshop titled 'DNA Barcoding: Hands-on Training Module' on 05th April 2022; in association with Paul Hebert Centre for DNA Barcoding & Biodiversity Studies, Dr. BAMU, Aurangabad. This workshop was the first activity held under the MoU between our college & the abovementioned institute. It was organised to commemorate the Azadi Ka Amrit Mahotsav and financial assistance was from RUSA funds.

The inaugural function was held in seminar hall. It was chaired by the honourable Principal Dr. Chandrashekhar Murumkar in presence of chief guest & key resource person Dr. Gulab D. Khedkar. Dr. Chandrashekhar Murumkar sir delivered presidential speech in which he enlightened the participants about the importance of DNA barcoding in a very intelligible way.

Theory sessions started at 11:00 am in Seminar hall. First session was conducted by Dr. Gulab D. Khedkar in which he explained basics of DNA barcoding & its application. Second theory session was about sample collection & DNA Isolation. It was conducted by Dr. Rajashri Deolalikar. Third theory session was conducted by Dr. Anita Tiknaik; in which she explained PCR, sequencing & data analysis. Theory sessions were completed by 13:30 and lunch break was till 14:30.

Practical sessions were conducted in Dr. H. G. Khorana laboratory; Dept. of Zoology. Dr. Rajashri Deolalikar acquainted the students with all the instrumentation of DNA barcoding. Mr. Amol kalyankar demonstrated the sample collection technique and pre-performed DNA isolation. PCR technique was demonstrated in small groups of 10 students each. It was conducted by all the experts of resource group. Gel electrophoresis was demonstrated by Mr. Nitin Kalyankar. Practical session was finished at 18:30.

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Anekant Education Society's TULJARAM CHATURCHAND COLLEGE

OF ARTS, SCIENCE & COMMERCE, BARAMATI (AUTONOMOUS INSTITUTE) DEPARTMENT OF ZOOLOGY

Department of Botany, Department of Microbiology, Department of Chemistry, Common Facility Centre helped in various ways for successful conduction of this workshop. I express deep sense of gratitude towards all concerned departments for their active help and participation.

I also request you to sanction the honorarium, travelling allowance, DA and other expenses as per the submitted details.

I am submitting this report for your perusal.

Thanking You,

Yours' sincerely,

Coordinator

Dr. Dipali Sangale

Head, Dept of Zoology

DNA Barcoding Hands-on Training Module

Organized by

Department of Zoology,
Tuljaram Chaturchand College,
Baramati
in Association with
Paul Hebert Center for DNA
Barcoding & Biodiversity,
Dr. BAMU, Aurangabad

Organizing Committee

Dr. Deepali Sangale, Coordinator Prof. Sandip Chordiya, HoD, Zoology Dr. Ajit Telave, Vice Principal & RUSA Coordinator

Dr. Chandrashekhar Murumkar, Principal

Join us on

Tuesday, April 5, 2022 from 10:00 AM Onwards Venue: Seminar Hall

Resource Person:

Dr. G. D. Khedkar Director, Paul Hebert Center for DNA barcoding & Biodiversity, Dr. BAMU, Aurangabad

Click Here For Free Registration











Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati (Autonomous)

Department of Zoology

One day workshop on 'DNA Barcoding Hands on Training Module'

Date: 05/04/2022 **Time:** 03:00 PM – 06:00 PM **Practical Session- Attendance**

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Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati (Autonomous)

Department of Zoology

One day workshop on 'DNA Barcoding Hands on Training Module'

Time: 10:30 AM – 02:00 PM **Date:** 05/04/2022

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To. The Principal, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati.

Sub: Permission to arrange a workshop / hands-on training on DNA barcoding technique.

Respected Sir,

As a part of Azadi Ka Amrit Mahotsav, Department of Zoology in association with Paul Hebert Centre for DNA Barcoding and Biodiversity Studies, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad is willing to organize one day workshop (hands-on training) in DNA Barcoding technique. The said workshop is to be arranged for faculties & PG students of all life sciences (Botany, Zoology, Microbiology) departments of our and nearby colleges.

This workshop is to be arranged in department of Zoology in the month of April, 2022 on a date suitable to resource person.

The resource person for this lecture will be Dr. G. D. Khedkar & his colleagues; of Paul Herbert Centre for DNA Barcoding, Aurangabad.

We request you to permit to collect Rs. 200/- as registration fee for this workshop and give directions to the concerned department to create link for online payment.

As per prior discussion with Dr. Khedkar, they are not charging any expenses on consumables.

I request you to grant permission to arrange this workshop and sanction the honorarium and TA to the resource persons.

Thanking You,

Yours' Sincerely,

Head, Dept. of Zoology

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APPLICATION FOR ORGANIZATION OF STATE/NATIONAL/INTERNATIONAL CONFERENCE/ SEMINAR/ WORKSHOP

1. Name of the Department:

Department of Zoology

2. Activity:

Conference/Workshop/Seminar

3. Geographical Coverage:

Departmental/State/National/International

4. Name/Title of the event:

One Day Workshop on DNA Barcoding

5. Date:

From 05/04/2022 to 05/04/2022

6. Convenor / Organizing Secretory:

Dr. Deepali Sangale

7. Broad Details of Estimated Expenditure:

A. TA (within India):

20000/-

B. Honorarium (06 persons):

18000/-

C. Pre-event printing:

05000/-

D. Publication of proceedings:

Not Applicable

E. Local hospitality:

7000/-

F. Grand Total:

50000/-

Convenor/Organizing Secretory
Dr. Deepali Sangale

BARAMATI &

Head of the Department

TULJARAM CHATURCHAND COLLEGE

OF ARTS, SCIENCE & COMMERCE, BARAMATI (AUTONOMOUS INSTITUTE)

DEPARTMENT OF ZOOLOGY

11/04/2022

To,

The Principal,

Tuljaram Chaturchand College of Arts, Science & Commerce,

Baramati.

Sub: Report of Workshop- DNA Barcoding: Hands on Training Module

Respected Sir,

With your prior permission, Department of Zoology had organised one day workshop titled 'DNA Barcoding: Hands-on Training Module' on 05th April 2022; in association with Paul Hebert Centre for DNA Barcoding & Biodiversity Studies, Dr. BAMU, Aurangabad. This workshop was the first activity held under the MoU between our college & the abovementioned institute. It was organised to commemorate the Azadi Ka Amrit Mahotsav and financial assistance was from RUSA funds.

The inaugural function was held in seminar hall. It was chaired by the honourable Principal Dr. Chandrashekhar Murumkar in presence of chief guest & key resource person Dr. Gulab D. Khedkar. Dr. Chandrashekhar Murumkar sir delivered presidential speech in which he enlightened the participants about the importance of DNA barcoding in a very intelligible way.

Theory sessions started at 11:00 am in Seminar hall. First session was conducted by Dr. Gulab D. Khedkar in which he explained basics of DNA barcoding & its application. Second theory session was about sample collection & DNA Isolation. It was conducted by Dr. Rajashri Deolalikar. Third theory session was conducted by Dr. Anita Tiknaik; in which she explained PCR, sequencing & data analysis. Theory sessions were completed by 13:30 and lunch break was till 14:30.

Practical sessions were conducted in Dr. H. G. Khorana laboratory; Dept. of Zoology. Dr. Rajashri Deolalikar acquainted the students with all the instrumentation of DNA barcoding. Mr. Amol kalyankar demonstrated the sample collection technique and pre-performed DNA isolation. PCR technique was demonstrated in small groups of 10 students each. It was conducted by all the experts of resource group. Gel electrophoresis was demonstrated by Mr. Nitin Kalyankar. Practical session was finished at 18:30.

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Anekant Education Society's TULJARAM CHATURCHAND COLLEGE

OF ARTS, SCIENCE & COMMERCE, BARAMATI (AUTONOMOUS INSTITUTE) DEPARTMENT OF ZOOLOGY

Department of Botany, Department of Microbiology, Department of Chemistry, Common Facility Centre helped in various ways for successful conduction of this workshop. I express deep sense of gratitude towards all concerned departments for their active help and participation.

I also request you to sanction the honorarium, travelling allowance, DA and other expenses as per the submitted details.

I am submitting this report for your perusal.

Thanking You,

Yours' sincerely,

Coordinator

Dr. Dipali Sangale

Head,
Dept of Zoology



Anekant Education Society's TULJARAM CHATURCHAND COLLEGE

OF ARTS, SCIENCE & COMMERCE, BARAMATI (AUTONOMOUS INSTITUTE)

DEPARTMENT OF ZOOLOGY

09/04/2022

To,

The Principal,

Tuljaram Chaturchand College of Arts, Science & Commerce,

Baramati.

Sub: Details of expenses of DNA Barcoding workshop

Respected Sir,

Total sanctioned fund for this workshop was Rs. 50,000/-.

Following are details of expenses:

Sr.	Particulars	Amount	Paid by
No.			
1	Honorarium (Rs. 3000/- each) Dr. Gulab D. Khedkar, Dr. Rajashri Deolalikar Dr. Anita Tiknaik Mr. Nitin Kalyankar Mr. Amol kalyankar Mr. Shankar Mutkule	18000/-	To be paid to each one's account
2	Travelling Allowance: 1. Dr. G. D. Khedkar (Own vehicle) (Aurangabad-Baramati-Aurangabad) 500KM @ Rs 09/- per KM	4500/-	To be paid to Dr. Khedkar
	2. Dr. Anita Tiknaik (Hired vehicle) (Aurangabad – Baramati - Aurangabad) 550 KM @ Rs. 14/- Per KM + GST	7700/-	To be Paid to Dr. Anita Tiknaik
3	Local Hospitality: 1. Stay & Dinner @ Krishnasagar	3601/-	To be paid to Hotel Krishnasagar
	2. Breakfast & evening dinner	760/-	To be paid to S. P. Chordiya
	3. Lunch at Annapurna mess	1200/-	To be paid to Shri Sawant
4	Brouchure Design	500/-	To be paid to S. P. Chordiya
5	Certificate Design Certificate Printing	500/- 140/-	To be paid to Mr. Mayur Shitole
	Commence I finding	Total: 640/-	Simole
6	Coordinator: Dr. Deepali M. Sangale	1000/-	To be Paid to Dr. DMS
	Total Expenses	37901/-	

I request you to sanction the amount as per given details. Thanking you.

Yours' Sincerely

Head, Dept of Zoology

Anekant Education Society's TULJARAM CHATURCHAND COLLEGE

OF ARTS, SCIENCE & COMMERCE, BARAMATI (AUTONOMOUS INSTITUTE)

DEPARTMENT OF ZOOLOGY

Sr. No.	Particulars	Total Amount	Paid by
1	Dr. Gulab D. Khedkar	7500/-	Mr. Gulab Dattarao Khedkar
	Honorarium: 3000/-	75007	Bank of Maharashtra
	TA: 4500/-		AC/No: 20060531113
			IFS CODE: MAHB0000152
2	Dr. Anita Tiknaik	10700/-	ANITA D TIKNAIK AC/NO. 60027339671
	Honorarium: 3000/-		UNIVERSITY BRANCH
	TA: 7700/-		AURANGABAD
3	Dr. D.:1.: D. 1.11	2000/	IFSC CODE: MAHB0000152
3	Dr. Rajashri Deolalikar	3000/-	Rajshri Vijay Deolalikar
	Honorarium: 3000/-		Bank of Maharashtra
			Sawarkar Chowk Branch
		,	AC/No: 60247513287
4	26.27		IFS Code: MAHB0001196
4	Mr. Nitin Kalyankar	3000/-	Nitin Deepakrao Kalyankar
	Honorarium: 3000/-		Bank of Maharashtra
			AC/No: 25047868728
_			IFS code: MAHB0000152
5	Mr. Amol Kalyankar	3000/-	Amol Deepakrao Kalyankar
is a	Honorarium: 3000/-		Bank of Maharashtra
			AC/No: 60244319715
	M. Cl. at land Market	2000/	IFS code: MAHB0000152
6	Mr. Shankar Mutkule	3000/-	Shankar Namdev Mutkule
	Honorarium: 3000/-		Union bank of India, Cidco
			branch, Aurangabad
			AC NO: 516702010095857
7	II. d. I. V. '. I C.	2601/	Ifsc code- UBIN0551678
7	Hotel KrishnaSagar	3601/-	Hotel KrishnaSagar
8	Annapurna Mess (Mr. Sawant)	1200/-	Shri Sawant
9	S. P. Chordiya	1260/-	Sandip P. Chordiya
			Bank of Maharashtra
			AC/No 20100263230
			MAHB0000073
10	Mr. Mayur Shitole	640/-	Mayur Sharad Shitole
			Bank of Maharashtra
			AC/No: 25029866733
			MAHB0000073
11	Dr. Deepali Sangale	1000/-	Deepali Maruti Sangale
			State Bank of India
			AC/No: 62439984198
			IFS Code: SBIN0000321
	Total Expenses	37901/-	

Yours' Sincerely

Omeangale Coordinator



Head, Dept of Zoology











Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India (Autonomous)

Department of Zoology

In Collaboration with

Paul Hebert Centre For DNA Barcoding And Biodiversity Studies, BAMU Aurangabad

With The Support Of

Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

"DNA Barcoding- Hands On training Module"

Solution Solution Solution Solution Solution Solution

This is to certify that Dr./ Prof./ Mr./ Ms.

of Tuljaram Chaturchand College,

Baramati has been successfully organized a one day workshop on "DNA Barcoding- Hands On training Module" at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

<u>Omeongale</u>

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya

Head

Dr. A. Telave

Vice Principal & RUSA











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Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

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Solution Solution Solution Solution Solution

This is to certify that Mr. Sandip Chordiya of Tujaram Chaturchand College, Baramati has been successfully organized a one day workshop on "DNA Barcoding- Hands On training Module" at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

<u>Dimeningale</u>

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya

Head

Dr. A. Telave

Vice Principal & RUSA











Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India (Autonomous)

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With The Support Of

Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

"DNA Barcoding- Hands On training Module"

Solution Solution Solution Solution Solution

This is to certify that Dr. Vitthal Nale of Tuljaram Chaturchand College, Baramati has been successfully organized a one day workshop on "DNA Barcoding- Hands On training Module" at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

<u>Omeongale</u>

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya Head Dr. A. Telave
Vice Principal & RUSA











Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India (Autonomous)

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With The Support Of

Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

"DNA Barcoding- Hands On training Module"

Solution Solution Solution Solution Solution

This is to certify that Dr. Deepali Sangale of Tuljaram Chaturchand College, Baramati has been successfully organized a one day workshop on "DNA Barcoding- Hands On training Module" at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

Omeangale

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya

Head

Dr. A. Telave

Vice Principal & RUSA











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With The Support Of

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"DNA Barcoding- Hands On training Module"

S Certificate of Appreciation S

This is to certify that Mr. Kishor More of Tuljaram Chaturchand College, Baramati has been successfully organized a one day workshop on "DNA Barcoding- Hands On training Module" at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

Omeangale

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya

Head

Dr. A. Telave

Vice Principal & RUSA











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Solution Solution Solution Solution Solution

This is to certify that Dr. Yogesh Gaikwad of Tuljaram Chaturchand College, Baramati has been successfully organized a one day workshop on "DNA Barcoding- Hands On training Module" at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

Omeangale

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya

Head

Dr. A. Telave

Vice Principal & RUSA











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With The Support Of

Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

"DNA Barcoding- Hands On training Module"

Solution Solution Solution Solution Solution

This is to certify that Mr. Mayur Shitole of Tuljaram Chaturchand College, Baramati has been successfully organized a one day workshop on "DNA Barcoding- Hands On training Module" at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

Omeangale

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya

Head

Dr. A. Telave

Vice Principal & RUSA











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With The Support Of

Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

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Solution Solution Solution Solution Solution

This is to certify that Ms. Kamal Kumbhar of Tuljaram Chaturchand College, Baramati has been successfully organized a one day workshop on "DNA Barcoding- Hands On training Module" at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

<u>Dimeningale</u>

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya Head Dr. A. Telave
Vice Principal & RUSA











Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India (Autonomous)

Department of Zoology

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With The Support Of

Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

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Solution Solution Solution Solution Solution

This is to certify that Ms. Sharvari Shah of Tuljaram Chaturchand College, Baramati has been successfully organized a one day workshop on "DNA Barcoding- Hands On training Module" at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

<u>Omeongale</u>

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya

Head

Dr. A. Telave

Vice Principal & RUSA











Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India (Autonomous)

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Solution Solution Solution Solution Solution

This is to certify that Ms. Shivani Dombale of Tuljaram Chaturchand College, Baramati has been successfully organized a one day workshop on "DNA Barcoding- Hands On training Module" at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

Omeangale

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya

Head

Dr. A. Telave

Vice Principal & RUSA











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Department of Zoology

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With The Support Of

Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

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Solution Solution Solution Solution Solution Solution

This is to certify that Ms. Dnyaneshwari Gawade of Tuljaram Chaturchand College, Baramati has been successfully organized a one day workshop on "DNA Barcoding- Hands On training Module" at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

<u>Omeongale</u>

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya

Prof. S. P. Chordiya Head Dr. A. Telave

Vice Principal & RUSA











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With The Support Of

Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

"DNA Barcoding- Hands On training Module"

Solution Solution Solution Solution Solution

This is to certify that Ms. Bhagyashree Bhosale of Tuljaram Chaturchand College, Baramati has been successfully organized a one day workshop on "DNA Barcoding- Hands On training Module" at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

Omeangale

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya

Head

Dr. A. Telave

Vice Principal & RUSA











Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India (Autonomous)

Department of Zoology

In Collaboration with

Paul Hebert Centre For DNA Barcoding And Biodiversity Studies, BAMU Aurangabad

With The Support Of

Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

"DNA Barcoding- Hands On training Module"

Solution Solution Solution Solution Solution

This is to certify that Ms. Nisha Sarande of Tuljaram Chaturchand College, Baramati has been successfully organized a one day workshop on "DNA Barcoding- Hands On training Module" at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

<u>Omeongale</u>

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya

Head

Dr. A. Telave

Vice Principal & RUSA

Anekant Education Society's TULJARAM CHATURCHAND COLLEGE OF ARTS, SCIENCE & COMMERCE, BARAMATI (AUTONOMOUS INSTITUTE) DEPARTMENT OF ZOOLOGY

05/04/2022



Mr. Amol Kalyankar giving demonstration of DNA isolation on the occasion of DNA Barcoding: Hands-on Training Module

Anekant Education Society's TULJARAM CHATURCHAND COLLEGE OF ARTS, SCIENCE & COMMERCE, BARAMATI (AUTONOMOUS INSTITUTE) DEPARTMENT OF ZOOLOGY

05/04/2022



Student performing Gel Run under Dr. Anita Tiknaik on the occasion of DNA Barcoding: Hands-on Training Module







Tuljaram Chaturchand College of

Arts, Science & Commerce, Baramati, Pune [M.S.]

[Autonomous]

NAAC Re-accredited 'A+' Grade (CGPA 3.55), ISO 9001-2015 Certified College, Religious Minority Institute

Certificate

This is to certify that Mr. / Miss./ Mrs. Sawant Sushma
participated in the One day workshop on 'DNA Barcoding Hands on Training Module
organised by Tuljaram Chaturchand College of Arts, Scinece and Commerce, Baramati under Internal Quality Assurance Cell

Principal