Royal Education Society's

College of Computer Science and Information Technology,

COCSIT Campus, Ambajogai Road, LATUR- 413531 (Maharashtra)

COCSIT

15-DAY WORKSHOP
ON

Microbial Culture Identification and Techniques in Molecular Biology

CERTIFICATE

This is to certify that, Mr./Ms. .....
of B. Sc.(Biotech)- T.Y., COCSIT, Latur has actively participated in **15-Day Workshop** on **" Microbial Culture Identification and Techniques in Molecular Biology"** from **4.12. 2017** to **18.12.2017** organized by Department of Biotechnology of this College

Dr. N. V. More	Dr. N. S. Zulpe	Dr. M. R. Patil
Coordinator	Principal	Chairman

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WORKSHOP ON TECHNIQUES IN MOLECULAR BIOLOGY AND GENETIC ENGINEERING

Time schedule

Day First	**Subject**
Morning session 11.00 - 01.00	**Introduction to the Genomics** Genes and genome organization Genome mapping DNA fingerprinting, Gene tagging
2.00 - 4.00 Afternoon session	**Research Area and Future Perspective**

Day Second	**Subject**
Morning session	**Isolation of Plant genomic DNA** Plant material and tissue collection , Grinding and tissue disruption, Protein Extraction and RNAse treatment, Precipitation, DNA quality and quantity assessment.
Afternoon session	**Study of purified DNA** DNA quality and quantity assessment and Electrophoretic studies

Day Third	**Subject**
Morning session	**Isolation of Bacterial genomic DNA** Isolation of *E.coli* from sewage sample by L.B agar Enrichment of *E.coli* in L.B.broth Centrifugation, cell harvest, cell lysis, extraction, and alcohol precipitation, DNA quality and quantity assessment.
Afternoon session	**Preparation of competent cell for transformation** Introduction to methods of transformation. Cacl2, heat shock method of transformation.

Training in charge	**Head of Department**	**Principal**
Mr.S.M.Inchure	Dr. N.V.More	Dr.N.S.Zulpe

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One week Training Program

on

1. Microbial Culture Identification

&

2. Molecular Techniques for Genome Analysis

for

B. Sc. Biotechnology Third Year Students

4th December – 9th December, 2017

Organized by,

Department of Biotechnology,

College of Computer Science and IT, Latur

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One week Training Program

on

1. Microbial Culture Identification

&

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for

B. Sc. Biotechnology Third Year Students

ESTED 2001

COCSIT

4th December – 9th December, 2017

Organized by,
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College of Computer Science and IT, Latur

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COLLEGE OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY(COCSIT), LATUR
संगणकशास्त्र व माहितीतंत्रज्ञान महाविद्यालय(कॉक्सिट), लातूर,
Ambajogai Road, LATUR 413531 (Maharashtra)
COCSIT
Ph. 02382-339191, Fax 02382-338646, Website - www.cocsit.org.in, E-mail - [illegible]

Ref. No.
Date :

Dr. M. S. Kulpe
[illegible]
Principal
[illegible]

Date: 15/11/2017

NOTICE

One Week Certificate Program on Microbial Culture Identification & Molecular Techniques For genome analysis is being organized for students of B Sc BT TY. Interested students should register their names with Ms. B T Mundhe, Mr. S M Inchure till 01 December 2017.

PRINCIPAL
I/C. PRINCIPAL
College of Computer Science
and Information Technology, Lat

Sr No	Name Of Faculty Member	Class	Signature
1	Mundhe B.T.	B Sc BT TY	[signature]

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COCSIT
Ambajogai Road, LATUR-413531 (Maharashtra)
Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Ref. No.:
Date :

Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 15/11/2017

1. **Name of the student** : Kale Rani Prakash
2. **Class** : B.Sc (BT) TY.
3. **Mobile No.** : 7743959479

College of Computer Sci. & Information Technology, Latur 365

Rani

Student Signature

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COCSIT

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Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Ref. No.:
Date :

Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 15 - 11 - 2017

1. **Name of the student** : Baesale Veda Sudhir.
2. **Class** : B.Sc (BT) TY.
3. **Mobile No.** : 7058671865

College of Computer Sci. & Information Technology, Latur 365

Baesale

Student Signature

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COCSIT
Ambajogai Road, LATUR-413531 (Maharashtra)
Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Ref. No.:
Date :

Dr. N. S. Rajpal
M.C.A., M.Phil., Ph.D.
Principal
Cell : 9970376040

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 16-11-2018

1. Name of the student : BiEadaE Nikhil Gopal.

2. Class : B.Sc (BT) TY

3. Mobile No. : 9764405130

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BiEadaE

Student Signature

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COCSIT
Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Ref. No.:
Date :

Dr. [illegible]
M.C.A., M.Phil., Ph.D.
Principal
Cell : [illegible]

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 16-11-2017

1. Name of the student : P. D. Kendre.

2. Class : B.Sc BT TY.

3. Mobile No. : 7038975970

College of Computer Sci. & Information Technology, Latur * 365

Kendre

Student Signature

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संगणकशास्त्र व माहितीतंत्रज्ञान महाविद्यालय(कॉक्सिट), लातूर.

COCSIT

Ambajogai Road, LATUR-413531 (Maharashtra)
Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Ref. No.:
Date :

Dr. N. S. Zade
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 19 - 11 - 17

1. **Name of the student** : Chamle Madhavi . N.
2. **Class** : B.Sc (BT) TY
3. **Mobile No.** : 9637205[illegible]

College of Computer Sci. & Information Technology, Latur 365

Chamle
Student Signature

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Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Ref. No.:
Date :

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 21/11/2017

1. Name of the student : Jirgale Dhiraj Govind

2. Class : B.Sc (BT) TY.

3. Mobile No. : 8605233509

College of Computer Sci. & Information Technology, Latur 365

Dhiraj

Student Signature

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Ambajogai Road, LATUR-413531 (Maharashtra)
Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Ref. No.:
Date :

Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 31/11/2017

1. Name of the student : Kulkarni Gauri Yogendra.

2. Class : B.Sc (BT) TY.

3. Mobile No. : 8275605325

College of Computer Sci. & Information Technology 365

Gauri

Student Signature

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Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Dr. N. S. Zingre
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Ref. No.:
Date :

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 20.11.2017

1. Name of the student : B Dubbewar Shubham V.

2. Class : B.SC (BT) TY.

3. Mobile No. : 7378919157

College of Computer Sci. & Information Technology, Latur * 365

Shubham

Student Signature

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COCSIT
Ambejogai Road, LATUR-413531 (Maharashtra)
Ph. [illegible], Fax [illegible], Website www.cocsit.org.in, E-mail cocsit365@rediffmail.com
Ref. No.
Date
Dr. H. S. Enfps
M.C.S., M.Phil., Ph.D.
Principal
[illegible]

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 17 - 11 - 2017

1. Name of the student : A. D. Giri

2. Class : B.Sc (BT) TY

3. Mobile No. : 7507541236

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365

Giri

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COCSIT
Ambajogai Road, LATUR-413531 (Maharashtra)
Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com
Dr. N. S. Lomte
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Ref. No.:
Date :

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 18 - 12 - 17

1. Name of the student : Lomte S. S

2. Class : B.Sc (BT) TY

3. Mobile No. : 9561843010

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Lomte

Student Signature

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COCSIT
Ambajogai Road, LATUR-413531 (Maharashtra)
Ph.: 02382-229191, Fax : 02382-228646. Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com
Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Ref. No.:
Date :

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 16 · 11 · 2017

1. Name of the student : AVINAH BELURE SANGRAM.

2. Class : BSc (BT) TY

3. Mobile No. : 9766555697

College of Computer Sci. & Information Technology Latur 365

Belure

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संगणकशास्त्र व माहितीतंत्रज्ञान महाविद्यालय(कॉक्सिट), लातूर.
COCSIT
Ambajogai Road, LATUR-413531 (Maharashtra)
Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com
Dr. N. S. Kulkarni
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Ref. No.:
Date :

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 25/11/2017

1. Name of the student : S. S. kenche.

2. Class : B.Sc (BT) TY

3. Mobile No. : 9421984891

College of Computer Sci.& Information Technology * 365 *

Shubhangi

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संगणकशास्त्र व माहितीतंत्रज्ञान महाविद्यालय(कॉम्सिट), लातूर.
Ambajogai Road, LATUR-413531 (Maharashtra)
COCSIT Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970703030

Ref. No.:
Date :

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 1/12/2017

1. Name of the student : KAMBLE M. D.

2. Class : B.Sc (BT) TY

3. Mobile No. : 7387651295

College of Computer Sci. & Information Technology, Latur 365

Kamble

Student Signature

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Ambajogai Road, LATUR-413531 (Maharashtra)
Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Dr. N. S. Entis
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Ref. No.:
Date :

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 1/12/2017

1. Name of the student : Late Alka .B.

2. Class : B.Sc (BT) TY

3. Mobile No. : 7378919156

College of Computer Sci. & Information Technology 365

Aalka

Student Signature

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COCSIT
Ambajogai Road, LATUR-413531 (Maharashtra)
Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Ref. No.:
Date :

Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 18 - 11 - 18

1. Name of the student : Salunke Manjusha Sudhakar.

2. Class : B.Sc(BT) TY.

3. Mobile No. : 9552492533

College of Computer Sci. & Information Technology, Latur ★ 365

Salunke

Signature

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Ref. No.:
Date :

Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Department of Biotechnology

One week Certificate Program

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Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 20/11/2017

1. Name of the student : Sutar Shankar Baburao

2. Class : B.Sc(BT) TY

3. Mobile No. : 9764602183

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365

Sutar
Signature

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Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Ref. No.:
Date :

Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 26/11/2017

1. Name of the student : Sueyawanshi Akshata Vinayak.

2. Class : B.Sc (BT) TY.

3. Mobile No. : 9623046892

College of Computer Sci. & Information Technology, Latur 365

Sueyawanshi

Signature

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Date :

Dr. N. S. Eaips
M.C.S., M.Phil., Ph.D.
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Cell : 9970763030

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 26-11-2017

1. Name of the student : Malishe Meera Dhanaji

2. Class : B.Sc (BT) TY

3. Mobile No. : 9421379841

College of Computer Sci. & Information Technology Latur 365

Meera

Signature

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Afternoon Session

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Ambajogai Road, LATUR-413531 (Maharashtra)
Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Ref. No.:
Date :

Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 22 - 11 - 2017

1. **Name of the student** : Shendarkar Abali Anil
2. **Class** : B.Sc (BT) TY.
3. **Mobile No.** : 9422765531

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Abali

Signature

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Principal
Cell : 9970763030

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 24-11-2017

1. **Name of the student** : Tamate shradha madhukar.
2. **Class** : B.Sc (BT) TY
3. **Mobile No.** : 9975940396

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Tamate
Signature

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Ref. No.:
Date :

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M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 21 - 11 - 2017

1. Name of the student : Sisse Sidram Ramling

2. Class : B.Sc (BT) TY.

3. Mobile No. : 8446935982

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Sisse

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Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com
Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Ref. No.:
Date :

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 27/11/2017

1. Name of the student : Yadhv Ravikiran Vajtenath.

2. Class : B.Sc (BT) TY.

3. Mobile No. : 7887967332

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Yadhv .
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Ref. No.:
Date :

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M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 26.11.2017

1. **Name of the student** : Shinde Sunil Shankar.
2. **Class** : B.Sc (BT) TY
3. **Mobile No.** : 8605370046

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Shinde
Signature

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Ref. No.:
Date :

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M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 28/11/2017

1. Name of the student : Suryawanshi. A. G.

2. Class : B.Sc (BT) TY.

3. Mobile No. : 7058984885

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Anuradha

Signature

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Ref. No.:
Date :

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M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 28/11/2017

1. **Name of the student** : Sankamble Nikita Ashok
2. **Class** : B.Sc(BT) TY
3. **Mobile No.** : 7767827179

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Nikita
Signature

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Ref. No.:
Date :

Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 17-11-2018

1. **Name of the student** : Pawar yogesh dhondiram
2. **Class** : B.Sc (BT) TY.
3. **Mobile No.** : 9552841555

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Pawar

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Ref. No.:
Date :

Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 26-11-2017

1. **Name of the student** : S. D. Pawar.
2. **Class** : B.Sc (BT) TY
3. **Mobile No.** : 8177863781

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Sulbha
Signature

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Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Ref. No.:
Date :

Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 31/12/2017

1. **Name of the student** : Pathan. S. M.
2. **Class** : B.Sc (BT) TY.
3. **Mobile No.** : 8180879704

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Signature Pathan.

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Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Ref. No.:
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Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 1/12/2017

1. **Name of the student** : Gaikwad Abhinay Anil
2. **Class** : B.Sc (BT) TY.
3. **Mobile No.** : 7758980154

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Anil
Signature

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Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Ref. No.:
Date :

Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 1/12/01

1. Name of the student : ALTE ATISH SURYAKANT

2. Class : B.SC (BT) TY

3. Mobile No. : 9552 469500

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Ate
Signature

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COCSIT

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Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Ref. No.:
Date :

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 17-11-2017

1. Name of the student : Sangave. Y. M.

2. Class : B.Sc (BT) TY.

3. Mobile No. : 8805735705

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Sangave.

Signature

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COCSIT

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Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Ref. No.:

Date :

Dr. N. S. Zaiya
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 19-11-17.

1. Name of the student : PADADWALE IBrahim . K.

2. Class : B.Sc (BT) TY

3. Mobile No. : 8600786120

Padadwale.

Signature

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Date :

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M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Registration Form

Date: 26/11/2017

1. **Name of the student** : MAHALINGE . S.V.
2. **Class** : B.SC(BT) TY
3. **Mobile No.** : 9763475785

Shailesh
Signature

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College of Computer Science and IT, Latur

Department of Biotechnology

6 Days Training Program on "Microbial Culture Identification"

❖ **Day to Day Schedule**

Day 1	**Morning session:** Introduction to the topic, sampling, culturing of Microorganisms
	Afternoon session: Media preparation, Plating and inoculation methods
Day 2	**Morning session:** Morphological and physical methods of identification
	Afternoon session: Visualization of different colony characteristics, staining, etc.
Day 3	**Morning session:** Metabolic and Biochemical properties of Bacteria
	Afternoon session: Practical based on Metabolic and Biochemical properties of Bacteria
Day 4	**Morning session:** Metabolic and Biochemical properties of Bacteria
	Afternoon session: Practical based on Metabolic and Biochemical properties of Bacteria
Day 5	**Morning session:** DNA based identification of Microorganisms
	Afternoon session: Virtual demonstration of PCR, 16S rRNA Sequencing, mPCR, etc.
Day 6	**Morning session:** Importance of Microbial identification in Research and Industry
	Afternoon session: Virtual demonstration of MALDI- TOF and conclusion

Training Coordinator **HOD** **Principal**

I/C. PRINCIPAL
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and Information Technology, Latur

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Department of Biotechnology

6 Days Training Program on "Microbial Culture Identification"

❖ **Day to Day Schedule**

Day 1	**Morning session:** Introduction to the topic, sampling, culturing of Microorganisms
	Afternoon session: Media preparation, Plating and inoculation methods
Day 2	**Morning session:** Morphological and physical methods of identification
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Day 4	**Morning session:** Metabolic and Biochemical properties of Bacteria
	Afternoon session: Practical based on Metabolic and Biochemical properties of Bacteria
Day 5	**Morning session:** DNA based identification of Microorganisms
	Afternoon session: Virtual demonstration of PCR, 16S rRNA Sequencing, mPCR, etc.
Day 6	**Morning session:** Importance of Microbial identification in Research and Industry
	Afternoon session: Virtual demonstration of MALDI- TOF and conclusion

Training Coordinator **HOD** **Principal**

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M.C.I

Royal Education Society's

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Department of Biotechnology

1-Week Training Programme Attendance List

04-09 DEC-2017

Sr. No.	Student Name	Date/Sign					
		04-12-17	05-12-17	06-12-17	07-12-17	08-12-17	09-12-17
1	Kulkarni Gauri Yogendra	Gauri.		Gauri.	Gauri.	Gauri.	
2	Kenche Shubhangi Sanjay	Shubhangi	Shubhangi	Shubhangi	Shubhangi	Shubhangi	Shubhangi
3	Lale Alka Dhondiram	Alka	Alka	Alka			Alka
4	Kamble Mohini Dilip	Kamble	Kamble	Kamble	Kamble		Kamble
5	Kale Rani Prakash	Rkale	Rkale	Rkale	Rkale	Rkale	Rkale
6	Baesole Veda Sudhir	Bveda.	Bveda.	Bveda.	Bveda.		Bveda.
7	Belure Avinash Sangram	Belure	Belure.	Belure.	Belure	Belure	Belure
8	Mahalinge Shailesh Vijaykumar	Shailesh.	Shailesh	Shailesh.	Shailesh.	Shailesh	Shailesh
9	Biradar Nikhil Gopal	Biradar	Biradar	Biradar	Biradar	Biradar	Biradar
10	Shri Abhijeet Jnyanoba	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]

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1 Week Training Programme Attendance List

Sr. No.	Student Name	Date/Sign					
		04-12-17	05-12-17	06-12-17	07-12-17	08-12-17	09-12-17
11	Aite Atish Suryakant	Atish.			Atish.	Atish	Atish.
12	GAIKWAD ABHINAY ANIL	Gaikwad.A 4/12/17	Gaikwad.A 5/12/17	Gaikwad.A 6/12/17	Gaikwad.A 7/12/17	Gaikwad.A 8/12/17	Gaikwad.A 9/12/17
13	Lomate Sangeam Suresh						
14	Jirgale Dhiraj Govind	Dhiraj	Dhiraj	Dhiraj	Dhiraj	Dhiraj	Dhiraj
15	Kendre Pravin Dilip	Pravin	Pravin	Pravin	Pravin	Pravin	Pravin
16	Dubbewar Shubham V.		Shubham	Shubham		Shubham	Shubham
17	Chamle Madhenei Nemder		Madhenei	Madhenei	Madhenei	Madhenei	Madhenei
18							
19							
20							

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Royal Education Society's

College of Computer Science & Information Technology, Latur

Department of Biotechnology

1-Week Training Programme Attendance List

04 - 09 Dec 2017

Sr. No.	Student Name	Date/Sign					
		04-12-17	05-12-17	06-12-17	07-12-17	08-12-17	09-12-17
1	Sirse Sidram Ramling	[signature]	[signature]	AA			
2	Yadav Ravikiran Vaitenath	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]
3	Pawar Yogesh Dhandiram	pawar	pawar	pawar	pawar	pawar	pawar
4	Pahadwale Ibrahim Khalilsab	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]
5	Shinde Sunil Shankar	[signature]	[signature]	[signature]	[signature]	[signature]	
6	Sangure Jogesh Mallinath	Jogesh	Jogesh	Jogesh	Jogesh	Jogesh	Jogesh
7	[illegible] Shankar [illegible]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]
8	Suryawanshi Akshata Vinayak	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]
9	Shendarkar Abali Anil	[signature]	Ab	AA	[signature]	[signature]	[signature]
10	Sonkamble Nikita Ashok	Nikita	Nikita	Nikita	Nikita	Nikita	Nikita

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1 Week Training Programme Attendance List 04-09 DEC-2017

Sr. No.	Student Name	Date/Sign					
		04-12-17	05-12-17	06-12-17	07-12-17	08-12-17	09-12-17
11	Salunke Manjusha Sudhakar						
12	Tamate Shradha Madhukar	Shradha	Shradha	Shradha	shradha	Shradha	shradha
13	Pawar Sulbha Dhondiram						
14	Malishe Meera Dhanaji						
15	Suryawanshi Anuradha Govind						
16	Pathan Summaiya Mohammad						
17	Sayyed Sana Anwar	Sana	Sana	Sana	Sana	Sana	Sana
18	Raykode Sonali Chandrakant						
19							
20							

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College of Computer Science & Information Technology, Latur

Department of Biotechnology

Microbial Culture Identification

1-Week Training Programme Attendance List 11-16 December 2017

Sr. No.	Student Name	Date/Sign				
		11-12-17	12-12-17	13-12-17	14-12-17	15-12-17
1	Pahaduvale Ibrahim Khalilsab					
2	powar Yogesh Dhondiram					
3	Yadav Pavikiran vaijenath					
4	Sangave Jogesh mallinath					
5	Sonkamble Nikita Ashok					
6	Pawar Sulbha Dhondiram					
7	Salunke Manjusha sudhakar					
8	Malishe Meera Dhanaji					
9	Shendarkar Aboli An					

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1-Week Training Programme Attendance List 11-16 December 2017

Sr. No.	Student Name	Date/Sign				
		11-12-17	12-12-17	13-12-17	14-12-17	15-12-17
10	Sueyavanshi Akshata Vinayak		Akshata	Akshata	Akshata	Akshata
11	Raykode Sonali Chandrakant	Sonali		Sonali		
12	Sayyed Sana Anwar	Sana.	Sana.	Sana.	Sana	Sana
13	Tamte Shradha Madhukar	Shradha.		Shradha	shradha	shradha
14	Pathan Sumaiya Mohammadkhan	Sumkhan		Sumkhan	Sumkhan	Sumkhan
15						
16						
17						
18						
19						
20						

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RESUME

At post- Parli-v.
Ta-Parli-v.
Dist- Beed
Pin code-431515
Mobile: 9766301716
Email
bhagyashri_mundhe08@rediffmail.com

Miss. B.T.MUNDHE

CAREER OBJECTIVE . Obtain position in biotechnology field where I can maximize my management skill and my quality assurance and work experience.

PERSONNEL DETAILS :

DATE OF BIRTH : 08/11/1987

LANGUAGES KNOWN : English, Hindi, and Marathi,

MARRITUAL STATUS : Unmarried

EDUCATION : **Master degree in Biotechnology** from Dr. B.A. M.U. Aurangabad, **Subcenter -Osmanabad**

EDUCATIONAL QUALIFICATION

Exam Passed	Board/ University	Year of passing	% Of Marks
M.Sc. Biotech	.Dr.B.A.M.U.Aurangabad	May-2010	65.00
B.Sc. General	Dr.B.A.M.U.Aurangabad	June-2008	72.93
H.S.C.	Aurangabad	Feb-2005	74.73
S.S.C.	.Aurangabad	March-2003	79.73

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FIELD OF INTEREST : Plant tissue culture, Cell biology, Immunology & Genetic engineering.

ADDITAIONAL DETAIL

Attended seminar:

1. Biotechnology: Expectations of industry and HR at DR.B.A.M.U.Subcenter Osmanabad.
2. National seminar on current trade in Bioprocess Technology (CTBT) at DR.B. A. M. U. Subcenter Osmanabad.
3. Attended seminar on "Career opportunities in Biotechnogy"organized-2008 at I2It, Pune.

Work Experience

School; Parli-V.Tal.-Parli-V., Dist.-Beed from the date of 1: 1. I had worked as assistant teacher in English medium, Little flowerthst July 2010 to 30 April 2011

2. I had worked as a research assistant in plant tissue Culture division,at Lokmangal college,Wadala.Solapur,from the Date of 1st March2011 to 10th nov.2011.

KEY STRANGTH: Able to handle the work and maintain good quality of work.

INSTRUNENT EXPOSURE

1. Spectrophotometer
2. Electrophorosis.

DATE:

PLACE:Parli-v.

Yours faithfully

Mundhe B.T.

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Department of Biotechnology

One Week Certificate Program on
"Microbial culture identification and Molecular techniques for Genome Analysis"
04th December 2017 to 18th December 2017

Outcome of the Program

After completion of this training program student got the practical knowledge about Isolation, Identification of microbiology and techniques of molecular biology.

Due to this training program practical skills of isolation and characterization of microorganisms and Electrophoresis techniques got improved. It is useful for invoking curiosity about biotechnological applications and which is beneficial for their future aspects.

Principal

Trainer

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COCSIT
Ambajogai Road, LATUR-413531 (Maharashtra)
Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Ref. No.:
Date :

Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Feedback Form

Scale	Yes / No	Marks out of 10	Comment
Is the training program facilities were appropriate or satisfactory?	Yes ☑ No ☐	09	Satisfactory.
Is the resource person was well prepared and knowledgeable?	Yes ☑ No ☐	09	very talented.
Is the training program helpful for you?	Yes ☑ No ☐	10	very useful for me.
Is the course met its aims & objectives?	Yes ☑ No ☐	09	—
Do you have any suggestions for future training program that you would like us to organize?	All is well. it will help ~~for~~ me in future.		
Thank you for completing the questionnaire.			

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4th December to 09th December, 2017

Feedback Form

Scale	Yes / No	Marks out of 10	Comment
Is the training program facilities were appropriate or satisfactory?	Yes ☑ No ☐	10	i am very satisfied.
Is the resource person was well prepared and knowledgeable?	Yes ☑ No ☐	10	—
Is the training program helpful for you?	Yes ☑ No ☐	10	yes, Really it useful.
Is the course met its aims & objectives?	Yes ☑ No ☐	10	—
Do you have any suggestions for future training program that you would like us to organize?	—		
Thank you for completing the questionnaire.			

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Scale	Yes / No	Marks out of 10	Comment
Is the training program facilities were appropriate or satisfactory?	Yes ☑ No ☐	10	Satisfactory.
Is the resource person was well prepared and knowledgeable?	Yes ☑ No ☐	09	very very Talented.
Is the training program helpful for you?	Yes ☑ No ☐	08	Yes.
Is the course met its aims & objectives?	Yes ☑ No ☐	09	-
Do you have any suggestions for future training program that you would like us to organize?	NO suggestions & NO Comments on it.		
Thank you for completing the questionnaire.			

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Scale	Yes / No	Marks out of 10	Comment
Is the training program facilities were appropriate or satisfactory?	Yes ☑ No ☐	9	—
Is the resource person was well prepared and knowledgeable?	Yes ☑ No ☐	8	—
Is the training program helpful for you?	Yes ☑ No ☐	10	—
Is the course met its aims & objectives?	Yes ☑ No ☐	09	—
Do you have any suggestions for future training program that you would like us to organize?	—		
Thank you for completing the questionnaire.			

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Scale	Yes / No	Marks out of 10	Comment
Is the training program facilities were appropriate or satisfactory?	Yes ☑ No ☐	07	—
Is the resource person was well prepared and knowledgeable?	Yes ☐ No ☑	07	well done
Is the training program helpful for you?	Yes ☑ No ☐	07	—
Is the course met its aims & objectives?	Yes ☑ No ☐	07	—
Do you have any suggestions for future training program that you would like us to organize?	—		
Thank you for completing the questionnaire.			

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Scale	Yes / No	Marks out of 10	Comment
Is the training program facilities were appropriate or satisfactory?	Yes ☑ No ☐	07	—
Is the resource person was well prepared and knowledgeable?	Yes ☑ No ☐	08	good
Is the training program helpful for you?	Yes ☑ No ☐	09	—
Is the course met its aims & objectives?	Yes ☑ No ☐	07	—
Do you have any suggestions for future training program that you would like us to organize?	No.		
Thank you for completing the questionnaire.			

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Scale	Yes / No	Marks out of 10	Comment
Is the training program facilities were appropriate or satisfactory?	Yes ☑ No ☐	06	good.
Is the resource person was well prepared and knowledgeable?	Yes ☑ No ☐	06	good
Is the training program helpful for you?	Yes ☑ No ☐	06	good.
Is the course met its aims & objectives?	Yes ☑ No ☐	09	well done.
Do you have any suggestions for future training program that you would like us to organize?	-		
Thank you for completing the questionnaire.			

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Ref. No.:
Date :

Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Feedback Form

Scale	Yes / No	Marks out of 10	Comment
Is the training program facilities were appropriate or satisfactory?	Yes [✓] No [ ]	09	good
Is the resource person was well prepared and knowledgeable?	Yes [✓] No [ ]	09	well done.
Is the training program helpful for you?	Yes [✓] No [ ]	09	v. good.
Is the course met its aims & objectives?	Yes [✓] No [ ]	09	good.
Do you have any suggestions for future training program that you would like us to organize?	—		
Thank you for completing the questionnaire.			

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Ambajogai Road, LATUR 413531 (Maharashtra)
Ph : 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Ref. No. :
Date :

Dr. M. S. Kulkarni
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970263030

Department of Biotechnology

One week Certificate Program

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4th December to 09th December, 2017

Feedback Form

Scale	Yes / No	Marks out of 10	Comment
Is the training program facilities were appropriate or satisfactory?	Yes ☑ No ☐	07	good.
Is the resource person was well prepared and knowledgeable?	Yes ☑ No ☐	07	good.
Is the training program helpful for you?	Yes ☑ No ☐	08	good.
Is the course met its aims & objectives?	Yes ☑ No ☐	09	
Do you have any suggestions for future training program that you would like us to organize?	—		
Thank you for completing the questionnaire.			

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Ambajogai Road, LATUR 413531 (Maharashtra)
Ph. [illegible] Website: www.cocsit.org.in E-mail: cocsit365@rediffmail.com
COCSIT
Dr. R. S. Rupe
M.C.S., M.Phil., Ph.D.
Principal
Cell: [illegible]

Ref. No.
Date

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Feedback Form

Scale	Yes / No	Marks out of 10	Comment
Is the training program facilities were appropriate or satisfactory?	Yes ☑ No ☐	08	-
Is the resource person was well prepared and knowledgeable?	Yes ☑ No ☐	08	-
Is the training program helpful for you?	Yes ☑ No ☐	09	-
Is the course met its aims & objectives?	Yes ☑ No ☐	09	-
Do you have any suggestions for future training program that you would like us to organize?	No suggestions		
Thank you for completing the questionnaire.			

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Feedback Form

Scale	Yes / No	Marks out of 10	Comment
Is the training program facilities were appropriate or satisfactory?	Yes ☑ No ☐	10	
Is the resource person was well prepared and knowledgeable?	Yes ☑ No ☐	10	Good
Is the training program helpful for you?	Yes ☑ No ☐	10	
Is the course met its aims & objectives?	Yes ☑ No ☐	10	
Do you have any suggestions for future training program that you would like us to organize?	No suggestions		
Thank you for completing the questionnaire.			

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Scale	Yes / No	Marks out of 10	Comment
Is the training program facilities were appropriate or satisfactory?	Yes ☑ No ☐	10	
Is the resource person was well prepared and knowledgeable?	Yes ☑ No ☐	9	
Is the training program helpful for you?	Yes ☑ No ☐	10	helpful
Is the course met its aims & objectives?	Yes ☑ No ☐	8	
Do you have any suggestions for future training program that you would like us to organize?	—		
Thank you for completing the questionnaire.			

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4th December to 09th December, 2017

Feedback Form

Scale	Yes / No	Marks out of 10	Comment
Is the training program facilities were appropriate or satisfactory?	Yes ☐ No ☑	9	satisfactory
Is the resource person was well prepared and knowledgeable?	Yes ☑ No ☐	10	
Is the training program helpful for you?	Yes ☑ No ☐	9	
Is the course met its aims & objectives?	Yes ☑ No ☐	9	
Do you have any suggestions for future training program that you would like us to organize?	No Suggestion		
Thank you for completing the questionnaire.			

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Feedback Form

Scale	Yes / No	Marks out of 10	Comment
Is the training program facilities were appropriate or satisfactory?	Yes [ ] No [✓]	10	
Is the resource person was well prepared and knowledgeable?	Yes [✓] No [ ]	10	
Is the training program helpful for you?	Yes [✓] No [ ]	9	
Is the course met its aims & objectives?	Yes [✓] No [ ]	9	
Do you have any suggestions for future training program that you would like us to organize?	—		
Thank you for completing the questionnaire.			

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COCSIT
Ph. 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@[illegible].com

Dr. H. S. Zaliya
M.C.A., M.Phil., Ph.D.
Principal
Cell : [illegible]

Ref. No.:
Date :

Department of Biotechnology

One week Certificate Program

On

Microbial Culture Identification & Molecular Techniques for Genome Analysis

4th December to 09th December, 2017

Feedback Form

Scale	Yes / No	Marks out of 10	Comment
Is the training program facilities were appropriate or satisfactory?	Yes ☑ No ☐	9	appropriate
Is the resource person was well prepared and knowledgeable?	Yes ☑ No ☐	8	
Is the training program helpful for you?	Yes ☑ No ☐	10	very helpful
Is the course met its aims & objectives?	Yes ☑ No ☐	9	
Do you have any suggestions for future training program that you would like us to organize?	–		
Thank you for completing the questionnaire.			

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संगणकशास्त्र व माहितीतंत्रज्ञान महाविद्यालय(कॉक्सिट), लातूर.
COCSIT
Ambajogai Road, LATUR-413531 (Maharashtra)
Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Dr. H. J. Enjpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Ref. No.:
Date :

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4th December to 09th December, 2017

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Scale	Yes / No	Marks out of 10	Comment
Is the training program facilities were appropriate or satisfactory?	Yes ☑ No ☐	07	well done
Is the resource person was well prepared and knowledgeable?	Yes ☑ No ☐	07	knowlegeable
Is the training program helpful for you?	Yes ☑ No ☐	07	—
Is the course met its aims & objectives?	Yes ☑ No ☐	07	—
Do you have any suggestions for future training program that you would like us to organize?	—		
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Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
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Is the training program facilities were appropriate or satisfactory?	Yes [✓] No [ ]	10	–
Is the resource person was well prepared and knowledgeable?	Yes [✓] No [ ]	8	Well prepared
Is the training program helpful for you?	Yes [✓] No [ ]	9	–
Is the course met its aims & objectives?	Yes [✓] No [ ]	10	–
Do you have any suggestions for future training program that you would like us to organize?	–		
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COCSIT

Ambajogai Road, LATUR-413531 (Maharashtra)
Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Ref. No.:
Date :

Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

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Is the resource person was well prepared and knowledgeable?	Yes [ ] No [✓]	04	good.
Is the training program helpful for you?	Yes [✓] No [ ]	07	
Is the course met its aims & objectives?	Yes [ ] No [✓]	07	
Do you have any suggestions for future training program that you would like us to organize?			
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Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Ref. No.:
Date :

Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
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Is the resource person was well prepared and knowledgeable?	Yes ☑ No ☐	07	
Is the training program helpful for you?	Yes ☑ No ☐	07	
Is the course met its aims & objectives?	Yes ☑ No ☐	07	
Do you have any suggestions for future training program that you would like us to organize?			
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Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Dr. N. S. Lahpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Ref. No.:
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Is the resource person was well prepared and knowledgeable?	Yes ✓ No	08	well prepared.
Is the training program helpful for you?	Yes ✓ No	08	—
Is the course met its aims & objectives?	Yes ✓ No	08	—
Do you have any suggestions for future training program that you would like us to organize?	—		
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Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Ref. No.:
Date :

Dr. S. S. Lafje
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

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Is the resource person was well prepared and knowledgeable?	Yes [✓] No [ ]	10	
Is the training program helpful for you?	Yes [✓] No [ ]	7	
Is the course met its aims & objectives?	Yes [✓] No [ ]	9	
Do you have any suggestions for future training program that you would like us to organize?	–		
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Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Dr. N. S. Entpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

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Is the resource person was well prepared and knowledgeable?	Yes ☐ No ☑	08	V. good.
Is the training program helpful for you?	Yes ☑ No ☐	09	—
Is the course met its aims & objectives?	Yes ☑ No ☐	06	—
Do you have any suggestions for future training program that you would like us to organize?	—		
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COCSIT
Ambajogai Road, LATUR-413531 (Maharashtra)
Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com
Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
Principal
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Is the resource person was well prepared and knowledgeable?	Yes ✓ No	06	—
Is the training program helpful for you?	Yes ✓ No	09	—
Is the course met its aims & objectives?	Yes ✓ No	07	—
Do you have any suggestions for future training program that you would like us to organize?	No.		
Thank you for completing the questionnaire.			

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COCSIT
Ambajogai Road, LATUR-413531 (Maharashtra)
Ph : 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com
Dr. N. S. Kulkarni
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

Ref. No.:
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Is the resource person was well prepared and knowledgeable?	Yes ☑ No ☐	10	–
Is the training program helpful for you?	Yes ☑ No ☐	10	–
Is the course met its aims & objectives?	Yes ☑ No ☐	10	–
Do you have any suggestions for future training program that you would like us to organize?	No suggestion		
Thank you for completing the questionnaire.			

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Is the training program facilities were appropriate or satisfactory?	Yes [✓] No [ ]	9	
Is the resource person was well prepared and knowledgeable?	Yes [✓] No [ ]	10	Very good
Is the training program helpful for you?	Yes [✓] No [ ]	8	
Is the course met its aims & objectives?	Yes [✓] No [ ]	9	
Do you have any suggestions for future training program that you would like us to organize?	No		

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COCSIT
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Ph : 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com
Dr. K. S. Kulkarni
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

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Is the training program facilities were appropriate or satisfactory?	Yes [✓] No [ ]	10	–
Is the resource person was well prepared and knowledgeable?	Yes [✓] No [ ]	10	–
Is the training program helpful for you?	Yes [✓] No [ ]	9	–
Is the course met its aims & objectives?	Yes [✓] No [ ]	10	–
Do you have any suggestions for future training program that you would like us to organize?			
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Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Ref. No.:
Date :

Dr. N. S. Zulpe
M.C.S., M.Phil., Ph.D.
Principal
Cell : 9970763030

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Is the resource person was well prepared and knowledgeable?	Yes ☑ No ☐	10	–
Is the training program helpful for you?	Yes ☑ No ☐	9	–
Is the course met its aims & objectives?	Yes ☑ No ☐	9	–
Do you have any suggestions for future training program that you would like us to organize?	no suggestion		
Thank you for completing the questionnaire.			

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M.C.S., M.Phil., Ph.D.
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Is the training program facilities were appropriate or satisfactory?	Yes ☑ No ☐	9	good
Is the resource person was well prepared and knowledgeable?	Yes ☑ No ☐	8	
Is the training program helpful for you?	Yes ☐ No ☑	5	
Is the course met its aims & objectives?	Yes ☑ No ☐	9	
Do you have any suggestions for future training program that you would like us to organize?	—		
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COCSIT

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Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

Ref. No.:
Date :

Dr. H. L. Kalla
M.Sc., M.Phil., Ph.D.
Principal
Cell : 9970763030

Department of Biotechnology

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Is the training program facilities were appropriate or satisfactory?	Yes ☑ No ☐	10	
Is the resource person was well prepared and knowledgeable?	Yes ☑ No ☐	10	
Is the training program helpful for you?	Yes ☑ No ☐	10	
Is the course met its aims & objectives?	Yes ☑ No ☐	10	
Do you have any suggestions for future training program that you would like us to organize?	No Suggestion		
Thank you for completing the questionnaire.			

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Department of Biotechnology

Microbial culture identification

Time:- 30 Minutes. **Marks:- 20**

Note: - 1) All questions are compulsory

2) Tick the correct answer

---

1) Who is regarded as the father of microbiology?

a) Leeuwenhook b) Robert Hook C) Louis Pateur d) Robert Koch

2) Gram staining was developed by

a) French microbiologist Louis Pasteur b) Dutch lens maker Leeuwenhoek

c) Danish physician Christian Gram **d) Dutch physician Christian Gram**

3) Gram staining is an example of

a) Acid fast stain b) Acid stain c) Differential stain d) None of the bove

4) The most common stains used in Gram staining is

a) crystal violet and methylene blue b) crystal violet and safranin

c) crystal violet and carbol fuschin d) safranin and methylene blue

5) In Gram staining, if some bacteria retain the crystal violet stain after alcohol treatment. Then the bacteria is

a) Gram positive b) Gram negative

c) Procedure is incomplete to answer this question d) none of these

6). Counter stain used in Gram staining is

a) Safranin b) Crystal violet c) carbol fuschin d)acetocarmine

7) In Gram staining , the alcohol acts on

a) Teichoic acids b) Periplasm c) Membrane lipids d) Peptidoglycan

8) Lipopolysaccharide is found in cell wall of

a) Gram positive bacteria **b) Gram negative bacteria** c) Both d) Fungi

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9) In Gram staining iodine is used as a

a) fixative b) mordant c) solubiulizer d) stain

10) IMViC is the pneumonic for

a)Indole, Methyl Red, VP, Citrate **b)**Indole, Methyl Red, VP, Catalase

c) Inducible, Methyl Red, VP, Citrate d) Indole, Methyl Red, VP, Coagulase

11) What organism is IMViC ++--

a) E. Coli **b**)PsA C) Staph Aureus d) Citrobactor

12) Production of acetoin can be detected by which of the following tests?

a) Citrate test b)Voges-Proskauer test c) Methyl red test d) Indole test

13) Catalase production is negative in which of the following?

a) Streptococcus b) Salmonella c) Proteus d) Staphylococcus

14) Which of the following is a substitute for crystal violet used in gram-staining procedure?

a) Methylene blue b) Bromocresol green C) Safranin d) Phenolpthalene

15) Which of the following(s) is/ are oxidase-positive bacteria?

a) Vibrio b) Neisseria c) Pseudomonas d) All of these

16) A cluster of polar flagella is called

a) lophotrichous b) amphitrichous c) monotrichous d) petritrichous

17) Which of the following is true about cell wall of gram-positive bacteria?

a) It consists of multiple layers b) It is thicker than that associated with gram-negative bacteria

c)It contains teichoic acids d) All of these

18) Bacterial cell wall is made up of

a) chitin b) cellulose c) dextran d) peptidoglycan

19) Which of the following is fermentation process?

a) batch process b)continuous process c) both a and b **d)** none of these

20) Vinegar is obtained from molasses with the help of

a) Rhizopus b) Acetobacter c) Yeast d) both b and c

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Department of Biotechnology

Microbial culture identification

Time:- 01 Hr. **Marks:- 20**

Note: - 1) All questions are compulsory

2) Tick the correct answer

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a) E. Coli **b)**PsA C) Staph Aureus d) Citrobactor

12) Production of acetoin can be detected by which of the following tests?

a) Citrate test b)**Voges-Proskauer test** c) Methyl red test d) Indole test

13) Catalase production is negative in which of the following?

a) Streptococcus b) Salmonella c) Proteus d) Staphylococcus

14) Which of the following is a substitute for crystal violet used in gram-staining procedure?

a) Methylene blue b) Bromocresol green C) Safranin d) Phenolpthalene

15) Which of the following(s) is/ are oxidase-positive bacteria?

a) Vibrio b) Neisseria c) Pseudomonas **d) All of these**

16) A cluster of polar flagella is called

a) lophotrichous b) amphitrichous c) monotrichous d) petritrichous

17) Which of the following is true about cell wall of gram-positive bacteria?

a) It consists of multiple layers b) It is thicker than that associated with gram-negative bacteria

c)It contains teichoic acids **d) All of these**

18) Bacterial cell wall is made up of

a) chitin b) cellulose c) dextran **d) peptidoglycan**

19) Which of the following is fermentation process?

a) batch process b)continuous process **c) both a and b**

20) Vinegar is obtained from molasses with the help of

a) Rhizopus b) Acetobacter c) Yeast **d) both b and c**

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