

NAAC 3rd Cycle : A+ (CGPA 3.40)
DST-FIST (Recognition)
UGC-CPE (Status)
National 1st Prize NECA (GOI)
Best College Award (STRMUN)



Establishment : June 1961
AISHE: C-7327; College Code: 303
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Dayanand Education Society's
Dayanand Science College, Latur

Maharashtra, India

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

Laxmiraman Lahoti
President

Ramesh Biyani
Secretary

Dr. Sidheshwar Bellale
I/c Principal

Ref. No. :

Date :

5.7. Research projects evaluated by external examiner – Yes

Research projects for M.Sc. programs in Physics, Chemistry, Microbiology, Botany, Zoology, Biotechnology, Mathematics, and Computer Sciences are evaluated by external examiners to ensure academic rigor, objectivity, and adherence to national and international standards of higher education. The external examiner, typically a subject expert from another recognized institution or research organization, assesses the project for originality, clarity of research objectives, appropriateness of methodology, depth of analysis, and relevance to current scientific advancements. This evaluation process helps maintain uniformity in assessment across disciplines and institutions, while also providing students with constructive feedback from an independent expert perspective.

The assessment generally includes a critical review of the written dissertation as well as evaluation of the student's oral presentation or viva voce examination. Emphasis is placed on the student's understanding of the theoretical background, experimental or computational techniques used, data interpretation, and ability to draw meaningful conclusions. For interdisciplinary fields such as Biotechnology and Computer Sciences, the examiner also evaluates the integration of concepts and practical applications. Overall, external evaluation enhances the credibility of the M.Sc. degree, promotes research ethics, and encourages students to meet high standards of scientific inquiry and professional competence.

IQAC - Coordinator
Dayanand Science College
Latur, M.S. (INDIA)



VC Principal
Dayanand Science College
Latur



आ नो भद्राः क्रतवो यन्तु विश्वतः

Dayanand Education Society's

DAYANAND SCIENCE COLLEGE, LATUR

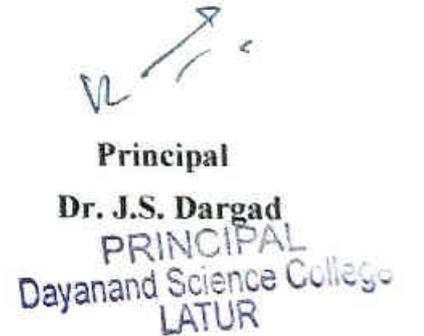
Department of Biotechnology

CERTIFICATE

This is to certify that the project entitled "**Human infertility and role of IVF lab**" is bonafide record of study successfully carried out by **Mr. Bhagavat Maroti Pingalkar** in the partial fulfillment for the award of Master's Degree in the Science of Biotechnology from **Swami Ramanand Teerth Marathwada University, Nanded**. During the Academic Year 2023-2024 in the Department of Biotechnology at Dayanand Science College, Latur.


Project Guide
Dr. F.S. Biradar


Head of Department
Dr. K.S. Gomare


Principal
Dr. J.S. Dargad
PRINCIPAL
Dayanand Science College
LATUR


External Examiner


Internal Examiner



Dayanand Education Society's

DAYANAND SCIENCE COLLEGE, LATUR

Department of Biotechnology

CERTIFICATE

This is to certify that the project entitled "*In-vitro* regeneration of bamboo" has a bonafide record of study successfully carried out by **Mr. Pavan Dhanraj Biradar** in the partial fulfillment for the award of Master's Degree in the Science of Biotechnology from **Wami Ramanand Teerth Marathwada University, Nanded**. During the Academic Year 2023-2024 in the Department of Biotechnology at Dayanand Science College, Latur.

Project Guide

Prof. S. S. Kulkarni

Head of Department

Dr. K.S. Gomare

HEAD

Department of Biotechnology
Dayanand Science College
LATUR-413512

Principal

Dr. J.S. Dargad
PRINCIPAL

Dayanand Science College
LATUR

External Examiner

Internal Examiner



Dayanand Education Society's

DAYANAND SCIENCE COLLEGE, LATUR

Department of Biotechnology

CERTIFICATE

This is to certify that the project entitled "**ARTIFICIAL SEED PRODUCTION OF *CAPSICUM ANNUM L. (CHILI)* BY USING ANTHR CULTURE**" is bonafide record of study successfully carried out by **Miss. Vrushali Mahesh Pawar** in the partial fulfillment for the award of **Master's Degree** in the Science of Biotechnology from **Swami Ramanand Teerth Marathwada University, Nanded**. During the Academic Year 2023-2024 in the Department of Biotechnology at Dayanand Science College, Latur.


Project Guide

Dr. K.S. Gomare


Head of Department

Dr. K.S. Gomare

HEAD

Department of Biotechnology
Dayanand Science College
LATUR-413512


Principal

Dr. J.S. Dargad
PRINCIPAL
Dayanand Science College
LATUR


External Examiner


Internal Examiner



Dayanand Education Society's
DAYANAND SCIENCE COLLEGE, LATUR
Department of Biotechnology
CERTIFICATE

This is certify that the project entitled “Preparation, value addition and sensory evaluation of mixed fruit jam using different herbal powders” is bonafide record of study successfully carried out by **Mr. Kasle Prajwal Narayan** in partial fulfillment for the award of Master's Degree in the science of Biotechnology from **Swami Ramanand Teerth Marathwada University, Nanded**. During the academic year 2023-2024 in the Department of Biotechnology at Dayanand Science College, Latur.



Project Guide

Ms. A. A. Bidkar

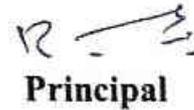


H.O.D.

Dr. K.S. Gomare

HEAD

Department of Biotechnology
Dayanand Science College
LATUR-413512



Principal

Dr. J.S. Dargad

PRINCIPAL

Dayanand Science College
LATUR



External Examiner



Internal Examiner



आ नो भद्राः क्रतवो यन्तु विश्वतः

Dayanand Education Society's

DAYANAND SCIENCE COLLEGE, LATUR
Department of Biotechnology

CERTIFICATE

This is to certify that the project entitled "Formulation and evaluation of herbal antibacterial cream containing Cloveoil and Garlic oil" is bonafide record of study successfully carried out by **Ms. Hande Sanjivani Nandkumar** in the partial fulfillment for the award of Master's Degree in the Science of Biotechnology from **Swami Ramanand Teerth Marathwada University, Nanded**. During the Academic Year 2023-2024 in the Department of Biotechnology at Dayanand Science College, Latur.

Project Guide
Prof. S.S. Gavkare

Head of Department
Dr. K.S. Gomare
HEAD
Department of Biotechnology
Dayanand Science College
LATUR-413512

Principal
Dr. J.S. Dargad
PRINCIPAL
Dayanand Science College
LATUR

External Examiner

Internal Examiner

Swami Ramanand Teerth Marathwada University, Nanded

Dayanand Education Society's

Dayanand Science College, Latur

Department of Biotechnology, Latur



Department Of Biotechnology

CERTIFICATE

This to certify that the project reported entitled **“Efficacy of neem based biopesticides against whitefly”** is a Bonafide record of study successfully carried out by **Mr. Swami Mangesh Mahaling** in fulfillment for the award of Master Degree in the science of Biotechnology from **“Swami Ramanand Teerth Marathwada University, Nanded”** during the academic year 2024-2025 in the department of Biotechnology of Dayanand Science College, Latur

Project guide

Ms. A. A. Bidkar

HOD

Dr. K. S. Gomare

I/C Principle

Dr. S.S. Belleale

**I/C Principal
Dayanand Science College
Latur**

HEAD
Department of Biotechnology
Dayanand Science College
LATUR-413512

Internal Examiner

Mr. A. H. Waghmare

External Examiner

Mr. R. B. A. Dny

Swami Ramanand Teerth Marathwada University, Nanded

Dayanand Education Society's

Dayanand Science College, Latur

Department of Biotechnology, Latur



Department Of Biotechnology

CERTIFICATE

This to certify that the project reported entitled "**Assessing the antibacterial efficacy of Garlic (*Allium sativum*) extracts against multidrug-resistant pathogenic bacteria.**" is a bonafied record of study successfully carried out by **Mr. Somnath Narayan Pawar** in fulfillment for the award of Master Degree in the science of Biotechnology from "**Swami Ramanand Teerth Marathwada University, Nanded**" during the academic year 2024-2025 in the department of Biotechnology of Dayanand Science College, latur

Project Guide
Mr Nitin Chavan sir

MOD
Dr. K S Gomare

I/C Principal
Dr. S. S. Bellale
I/C Principal
Dayanand Science College
Latur

HEAD
Department of Biotechnology
Dayanand Science College
LATUR-413512

External Examiner
Dr. R. P. Shetye

Internal Examiner
Mr. A. N. Waghmare

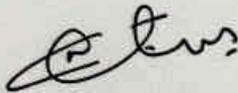
Dayanand Education Society's

DAYANAND SCIENCE COLLEGE, LATUR

Department of Biotechnology

CERTIFICATE

This is certifying that the project entitled "**Assessment of Prevalence of Preeclampsia among Pregnant Women**" is benefited record of study successfully carried out by **Miss. Pathan Nilofar Farid** in partial fulfillment for the Master Degree in the science of Biotechnology from **Swami Ramanand Teerth Marathwada University, Nanded**. During the academic year 2024-2025 in the Department of Biotechnology at Dayanand Science College, Latur.



Project Guide

Dr. N.M. Chauhan



Head of Department

Dr. K. S. Gomare

HEAD

Department of Biotechnology
Dayanand Science College
LATUR-413512



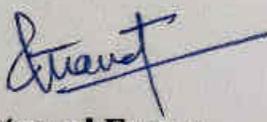
Principal

Dr. S. S. Bellale

**I/C Principal
Dayanand Science College
Latur**



Examiner signature
(Dr. R. B. Adar)



Internal Examiner
Ms. K. N. Waghmare

Dayanand Education Society's

DAYANAND SCIENCE COLLEGE, LATUR

Department of Biotechnology

CERTIFICATE

This is certifying that the project entitled '**Production of Secondary Metabolites by Clinical Isolates of Pathogenic Fungal Biofilms: In Context to Quorum Sensing**' is benefited record of study successfully carried out by **Miss. Pratiksha Manik Holkar** in partial fulfillment for the Master Degree in the science of Biotechnology from **Swami Ramanand Teerth Marathwada University, Nanded**. During the academic year 2024-2025 in the Department of Biotechnology at Dayanand Science College, Latur.



Project Guide

Dr. N. M. Chauhan



Head of Department

Dr. K. S. Gomare

HEAD
Department of Biotechnology
Dayanand Science College
LATUR-413512



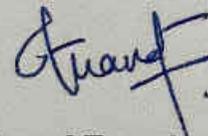
Principal

Dr. S. S. Bellale

I/C Principal
Dayanand Science College
Latur



Examiner signature



Internal Examiner



Biotechnology Research Centre, DSC, Latur

Academic year 2024-25



Dayanand Education Society's

DAYANAND SCIENCE COLLEGE, LATUR

Department of Biotechnology

CERTIFICATE

This is certify that the project entitled “Preparation, value addition and sensory evaluation of mixed fruit jam using different herbal powders” is bonafide record of study successfully carried out by **Mr. Patil Krishnaskant Dnyaneshwar** in partial fulfillment for the award of Master's Degree in the science of Biotechnology from **Swami Ramanand Teerth Marathwada University, Nanded**. During the academic year 2024-2025 in the Department of Biotechnology at Dayanand Science College, Latur.

Project Guide

Ms. A. A. Bidkar

H.O.D.

Dr. K.S. Gomare

I/C Principal

Dr. S.S. Bellale

**I/C Principal
Dayanand Science College
Latur**

External Examiner

C. A. R. P. A. Lur

Internal Examiner

Ms. A. H. Waghmare



Dayanand Education Society's
DAYANAND SCIENCE COLLEGE, LATUR
Department of Biotechnology

CERTIFICATE

This is to certify that the project entitled "**Screening The In Vitro Calcium Oxalate Crystal Inhibition Potential of *Abutilon Indicum L***" is bonafide record of study successfully carried out by **Mr. Rohan Rahul Mali** in the partial fulfillment for the award of Master's Degree in the Science of Biotechnology from **Swami Ramanand Teerth Marathwada University, Nanded** during the Academic Year 2024-2025 in the Department of Biotechnology at Dayanand Science College, Latur.


Project Guide

Ms. S.V. Madane

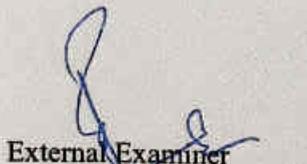

Head of Department

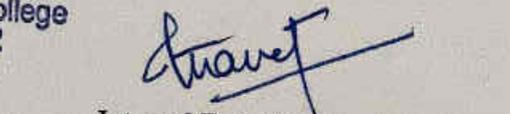
Dr. K.S. Gomare

HEAD

Department of Biotechnology
Dayanand Science College
LATUR-413512


Principal
UGC Principal
Dr. S.S. Bellale
Dayanand Science College
Latur


External Examiner
Dr. R. D. Chole


Internal Examiner
Mr. A. H. Waghmare

DAYANAND SCIENCE COLLEGE, LATUR



आ नो भद्राः क्रतवो यन्तु विश्वतः

Department Of Biotechnology

CERTIFICATE

This to certify that the project reported entitled "Antimicrobial activity of Santalum Album and effect of media combination on Santalum Album." is a bonafied record of study successfully carried out by Ms.Jadhav Shudhir Satish in fulfillment for the award of Bachelor Degree in the science of Biotechnology from "Swami Ramanand Teerth Marathwada University, Nanded" during the academic year 2024-2025 in the department of Biotechnology of Dayanad Science College, Latur.


Guide

Ms. A.A. Bidkar

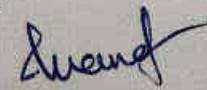

H.O.D.

Ms. K.S. Gomare
HEAD
Department of Biotechnology
Dayanand Science College
Latur
2024


Principal

Dr. S.S. Bellale
Principal
Dayanand Science College
Latur


External Examiner
Dr. R. B. Ardekar


Internal Examiner
Mr. A. N. Waghmare



Dayanand Education Society's

DAYANAND SCIENCE COLLEGE, LATUR

Department of Biotechnology

CERTIFICATE

This is certifying that the project entitled "**Development and Evaluation of herbal hand wash formulation enriched with natural herbs**" is benefited record of study successfully carried out by Ms. **Vaishnavi Nagnath Alange** in partial fulfillment for the Master Degree in the science of Biotechnology from "**Swami Ramanand Teerth Marathwada University, Nanded**". During the academic year 2024-2025 in the Department of Biotechnology at Dayanand Science College, Latur.

Project Guide

Ms. S.U. Parge

Head of Department

Dr. K. S. Gomare

HEAD

Department of Biotechnology
Dayanand Science College
LATUR-413512

Principal

Dr. S.S. Bhatle
1/6 Principal
Dayanand Science College
Latur

Examiner signature

C.D.R.B. Adhye

Internal Examiner

Mr. A.M. Waghmare



Dayanand Education Society's

DAYANAND SCIENCE COLLEGE, LATUR

Department of Biotechnology

CERTIFICATE

This is to certify that the project entitled "**Formulation and Evaluation of Herbal Kajal: A Natural Alternative**" is Bonafide record of study successfully carried out by **Miss. Adsul Nisha Machindra** in the partial fulfilment for the award of Master's Degree in the Science of Biotechnology from **Swami Ramanand Teerth Marathwada University, Nanded**. During the Academic Year 2024-2025 in the Department of Biotechnology at Dayanand Science College, Latur.


Project Guide

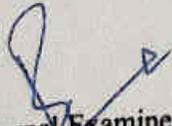
Ms. A.D. Shinde Patil

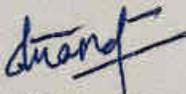

Head of Department

Dr. K.S. Gomare
HEAD
Department of Biotechnology
Dayanand Science College
Latur-413512


Principal

D.V.S. Bhalgal
Dayanand Science College
Latur


External Examiner
Dr. R.B. A. (Signature)

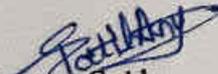

Internal Examiner
Mr. A. S. Waghmare



Dayanand Education Society's
DAYANAND SCIENCE COLLEGE, LATUR
Department of Biotechnology

CERTIFICATE

This is to certify that the project entitled **"Eco-Friendly Nutrition: Formulation and evolution of Organic Fish Manure for Soil Health"** is Bonafide record of study successfully carried out by **Miss. Vishwagandha Vikram Talware** in the partial fulfilment for the award of Master's Degree in the Science of Biotechnology from **Swami Ramanand Teerth Marathwada University, Nanded**. During the Academic Year 2024-2025 in the Department of Biotechnology at Dayanand Science College, Latur.


Project Guide

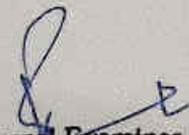
Ms. A.D. Shinde Patil

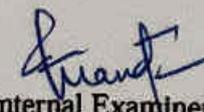

Head of Department

Dr. K.S. Gomare
HEAD
Department of Biotechnology
Dayanand Science College
Latur - 413512


Principal

Dr. S.S. Bellale


External Examiner
Dr. R.B. Ashing


Internal Examiner
Mr. A.H. Waghmare



आ नो भद्राः क्रतवो यन्तु विश्वतः

Dayanand Education Society's
DAYANAND SCIENCE COLLEGE, LATUR

Department of Biotechnology

CERTIFICATE

This is to certify that the project entitled "**Isolation and Characterization of Nitrogen fixing and Phosphate Solubilizing Bacteria and their efficiency as a biofertilizer.**" is bonafide record of study successfully carried out by **Mr. Sandesh Shivajirao Jadhav** in the partial fulfillment for the award of Master's Degree in the Science of Biotechnology from **Swami Ramanand Teerth Marathwada University, Nanded.** During the Academic Year 2024-2025 in the Department of Biotechnology at **Dayanand Science College, Latur.**

Project Guide

Dr..Nitin Chavan

Head of
Department

Dr. K.S. Gomare

HEAD
Department of Biotechnology
Dayanand Science College
LATUR-413512

Principal

Dr. S.S. Bellale

I/C Principal
Dayanand Science College
Latur

External Examiner
(Dr. A. N. Patil)

Internal Examiner
Mr. A. M. Waghmare

Dayanand Education Society's

DAYANAND SCIENCE COLLEGE, LATUR

Department of Biotechnology

CERTIFICATE

This is certifying that the project entitled **"Prevalence of Hepatitis B Virus and Its Associated Factors among Pregnant Women"** is benefited record of study successfully carried out by **Miss.Raut Pooja Mahadev** in partial fulfillment for the Master Degree in the science of Biotechnology from **Swami Ramanand Teerth Marathwada University, Nanded**. During the academic year 2024-2025 in the Department of Biotechnology at Dayanand Science College, Latur.



Project Guide

Dr. N.M. Chauhan



Head of Department

Dr. K. S. Gomare

HEAD

Department of Biotechnology
Dayanand Science College
LATUR-413512



Principal

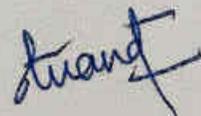
Dr. S. S. Bellale

V/C Principal
Dayanand Science College
Latur



Examiner signature

Dr. R. B. Acharya



Internal Examiner

Mr. A. N. Wagmare

**SWAMI RAMANAND TEERTH MARATHWADA
UNIVERSITY, NANDED**



Dayanand Science College, Latur

A

Project Report

On

**“Antifungal activity of Cinnamon and Clove in Chloroform and
Methenol against *Aspergillus niger*”**

Submitted by

Miss. Dalal Gita Mallinath

(Roll No.961, M.Sc. II Year)

Under Guidance of

Miss. A. S. Kamble

Assistance Professor

Department of Botany

Dayanand Science College, Latur



"अ नो भद्राः क्रतवो यन्तु विश्वतः"

CERTIFICATE

This is to certify that project report entitled "Antifungal activity of Cinnamon and Clove in Chloroform and Methenol against *Aspergillus niger*" is Done By Miss. Dalal Gita Mallinath under my guidance and is submitted for the award of Master's Degree In Botany as per requirement of Dayanand Science College, Latur. This has not been previously submitted for any degree of this or any other college/University.

Guided by

A. Kamble
05/04/2024

Miss. A. S. Kamble

Assistant Professor

M. K. Gurme
05/04/24

Dr. M. K. Gurme

PG Co-ordinator

C. S. Swami
01.4.2024

Dr. C. S. Swami

Head Of Department

Department of Botany,
Dayanand Science College,
LATUR-413512 (M.S)

G. Kamble
08/04/24

[External Examiner]

Gita
13-4-24

**SWAMI RAMANAND TEERTH MARATHWADA
UNIVERSITY, NANDED**



Dayanand Science College, Latur

A

Project Report

On

**"Antifungal activity of Cinnamon and Clove in Chloroform and
Methenol against *Aspergillus niger*"**

Submitted by

Mr. Narayankar Raman Gangadhar

(Roll No.957, M.Sc. II Year)

Under Guidance of

Miss. A. S. Kamble

Assistance Professor

Department of Botany

Dayanand Science College, Latur



CERTIFICATE

This is to certify that project report entitled “Antifungal activity of Cinnamon and Clove in Chloroform and Methenol against *Aspergillus niger*” is Done By Mr. Narayankar Raman Gangadhar under my guidance and is submitted for the award of Master’s Degree In Botany as per requirement of Dayanand Science College, Latur. This has not been previously submitted for any degree of this or any other college/University.

Guided by

Kamble
01/04/2024

Miss. A. S. Kamble

Assistant Professor

Gurme
01.04.24.

Dr. M. K. Gurme

PG Co-ordinator

Swami
01.4.2024

Dr. C. S. Swami

Head Of Department

Department of Botany,
Dayanand Science College,
LATUR-413512 (M.S.)

Swami
13-4-24

Kamble
08/04/24

[External Examinee]



CERTIFICATE

This is to certify that project report entitled "Antifungal activity of Cinnamon and Clove in Chloroform and Methenol against *Aspergillus niger*" is Done By Mr. Narayankar Raman Gangadhar under my guidance and is submitted for the award of Master's Degree In Botany as per requirement of Dayanand Science College, Latur. This has not been previously submitted for any degree of this or any other college/University.

Guided by

A. S. Kamble
01/04/2024

Miss. A. S. Kamble

Assistant Professor

Gurme
01.04.24.

Dr. M. K. Gurme

PG Co-ordinator

Swami
01.4.2024

Dr. C. S. Swami

Head Of Department

Department of Botany,
Dayanand Science College,
LATUR-413512 (M.S.)

Gankule
08/04/24

[External Examinee]

GMI
13-4-24

**SWAMI RAMANAND TERTH MARATHWADA
UNIVERSITY, NANDED**



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

A
Dissertation Report
On
“Effect of NPK on Monocot and Dicot Plants”

Submitted By

Miss. Tompe Pratiksha Gautam

Under Guidance of

Prof. V. V. Hawaldar

Assistant Professor

Dayanand Science College, Latur



स्वाामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.



CERTIFICATE

This is to certify that the project is titled “ Effect of NPK on Monocot and Dicot Plants.” This project is submitted by Tompe Pratiksha Gautam Dayanand Science college, Latur in fulfilment of the requirements for M.SC. Botany. This project was an authentic work done by under my supervision and guidance. This project has not been submitted to any other institution.

[Signature]
01/04/2024.

Guided By :

Prof. V. V. Hawaldar

DSCL

[Signature]
01.4.2024

Dr. C. S. SWAMI

Head and Professor

Dayanand Science College, Latur

[Signature]
08/04/24
Dr. Anwarde l.h.

Department of Botany,
Dayanand Science College,
LATUR-413512 (M.S.)

[Signature]
13-2-24

**SWAMI RAMANAD TEERTH
MARATHWADA UNIVERSITY,
NANDED.**



"अ नो भद्रा क्रतवो यत्तु विश्वतः"

A

Project Report

ON

**"Study of Comparative Rate of Transpiration in Upper
and Lower Surface of Leaves"**

Submitted By

Mrs. Gulbhile Supriya P.

M. Sc – Botany

Under Guidance of

Miss. N. N. Shaikh

Assistant Professor

Dayanand Science College, Latur

**SWAMI RAMANAD TEERTH
MARATHWADA UNIVERSITY,
NANDED.**



“अ नो भद्रा क्रतवो यत्तु विश्वतः”

A

Project Report

ON

**“Study of Comparative Rate of Transpiration in Upper
and Lower Surface of Leaves”**

Submitted By

Mr. Dattatraya Arvind More

M. Sc – Botany

Under Guidance of

Miss. N. N. Shaikh

Assistant Professor

Dayanand Science College, Latur



CERTIFICATE

This is to certify that Project entitled “**Study of Comparative Rate of Transpiration in Upper and Lower Surface of Leaves**” is done by Dattatraya Arvind More, under my guidance and is submitted for the award Master's Degree in Botany as per requirement of Swami Ramanand Teerth Marathwada University, Nanded. This has not been previously submitted for any degree of this or any other university.

Guided By

Miss. N.N. Shaikh

Assistant Professor

Dayanand Science College,

Latur.


04.4.2024

Dr. C.S. Swami

Head and Professor

Dayanand Science College,

Latur

C/dabale
08/04/24
Dr. Antole e.v.

Department of Botany,
Dayanand Science College,
LATUR-413512 (M.S.)

Fun
13-04-24

**SWAMI RAMANAND TERTH MARATHWADA
UNIVERSITY, NANDED.**



A

Project Report

On

**“ISOLATION AND IDENTIFICATION OF FUNGI
ASSOCIATED WITH LOCAL FRUIT”**

Submitted By

Miss. Wadgaonkar Manjusha Bhalchandra

Under Guidance of

MISS. A.R.NIKAM

Assistant Professor

Dayanand Science College, Latur



CERTIFICATE

This is to certify that project entitled 'Isolation and identification of fungi associated with Local fruit.' Is done by Wadgaonkar Manjusha Bhalchandra, under my guidance and is Submitted for the Master Degree in Botany as per requirement of Swami Ramanand Teerth Marathwada university, Nanded. This has not been previously submitted for any Degree of this or any other university.

Dikram
01/04/24

Guided By :
A.R. Nikam
DSCL

Dr. C. S. Swami
01.4.2024

Dr. C. S. SWAMI
Head and Professor
Dayanand Science
College, Latur

Dr. Antulke
08/04/24
Dr. Antulke P.H.

Department of Botany,
Dayanand Science College,
LATUR-413512, (M.S.)



स्वामी रामानन्द तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



"अ नो भद्रा क्रमसो षण्डु विद्यायः"

CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **Ms. Shweta Akangire** has successfully completed the project entitled which is a work carried out by the candidate for project '**Optimization of Benzoxazole Derivative Undergo Acid Mediated Reaction**'. In department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR under my supervision.

Principal
Dayanand Science College
Dr. J. S. Jangad
Latur-413512

H.O.D.

Dr. Sarnikar Y. P

Department of chemistry

Supervisor
04/24

Dr. E. K. Pathan

Department of chemistry

Examined

08/04/24.



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **Miss Bidwe Kranti Bhaskar** has successfully completed the project entitled which is an original work carried out by the candidate for project **"SYNTHESIS OF POLYFUNCTIONALIZED PYRAN DERIVATIVES"**

In Department of chemistry in DAYANAND SCIENCE COLLEGE,
LATUR under my supervision.


H.O.D.

Dr. Y. P. Sarnikar
Department of Chemistry


GUIDE

Dr. S. S. Mahurkar
Department of Chemistry


Principal
Dayanand Science College
Dr. Dargam J. S.
Latur-418512


02/03/24.



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **MISS RAJASHRI NAGNATH BIRAJDAR** has successfully completed the project entitled which is an original work carried out by the candidate for project "SYNTHESIS OF SULPHUR & NITROGEN CONTAINING FUSED HETEROCYCLES COMPOUNDS" In Department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR under my supervision.



H.O.D.

Dr. Y. P. SARNIKAR

Department of chemistry



Principal

Dr. J.S. Dargad

Examined
Date
08/04/24



GUIDE

ASST PROF. V. S. SONKAMBLE

Department of Chemistry



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHIWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

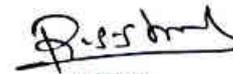
This is to certify that **MISS SHRADDHA SHIVAJI BIRLE** has successfully completed the project entitled which is an original work carried out by the candidate for project "**Evaluation of Some Heavy Metals Concentration in Candies**"

In Department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR under my supervision.


H.O.D.

Dr. Y. P. Sarnikar
Department of chemistry


Principal
Dayanand Science College
Latur-413012
Dr. Dargad J. S.


GUIDE

Dr. R. S. Shinde
Department of Chemistry


08/04/24.



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **MR. CHAVAN DNYANESHWAR BALAJI**

has successfully completed the project entitled which is an original work carried out by the candidate for project "**Synthesis of 2,3-Dihydroquinazolin-4(1H)-ones Sonicator as a Efficient Catalyst**" In Department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR under my supervision.


H.O.D.

Dr. Y. P. Sarnikar

Department of chemistry


Principal
Dayanand Science College
Latur-430125, J. S.

Examined
Dr. Dargad J. S.
08/04/24


GUIDE
14/2024

Dr. J. A. Angulwar

Department of Chemistry



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **MISS AISHWARYA VISHNU GARGATE** has successfully completed the project entitled which is an original work carried out by the candidate for project “**SYNTHESIS OF SULPHUR & NITROGEN CONTAINING FUSED HETEROCYCLES COMPOUNDS**” In Department of chemistry in **DAYANAND SCIENCE COLLEGE, LATUR** under my supervision.



H.O.D.

Dr. Y. P. SARNIKAR

Department of chemistry



Principal
Dayanand Science College
Latur

examined

[Signature]
08/04/24



GUIDE

ASST PROF. V. S. SONKAMBLE

Department of Chemistry

CERTIFICATE



This Certify that Mr. Ghar Omkar Narhari competed her project work entitled " Eco – Friendly and Facile Nano FeO Catalysed Solvent Free Enamination Of 1,3 – Dicarbonyls "

It is further certified that the project work submitted by Mr. Ghar Omkar Narhari is the original work planned and carried out in Dayanad Science College.



H.O.D

Dr. Y.P. Sarnikar

Department Of Chemistry



Principle

Dr. J. S. Dargad

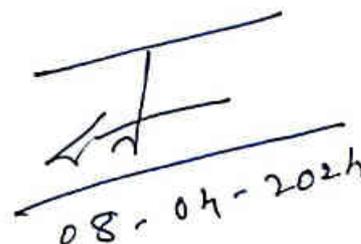
Dayanand Science College, Latur



Guide

Dr. Y.P. Sarnikar

Dept. Of Chemistry



08.04.2024

Date :

Place :



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHIWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that MISS. GORE RESHMA VIKRAM as successfully completed the project entitled which is an original work carried out by the candidate for project "*Ultrasonic assisted synthesis of Metal complexes of Schiff bases and their applications*"

In Department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR under my supervision.

Principal
Dayanand Science College
Latur - 413512
DR. S. D. BERGAD

08.04.24
GUIDE

Dr. Y. P. SARNIKAR
Department of chemistry

Examined
08/04/24

Dr. N. S. KORDE
Department of Chemistry



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **MISS. HAJARE DIPALI SURESH** has successfully completed the project entitled which is an original work carried out by the candidate for project
"SYNTHESIS OF HETEROCYCLES UNDER MULTICOMPONENT REACTION "

In Department of chemistry in DAYANAND SCIENCE COLLEGE,
LATUR under my supervision.


H.O.D.

Dr. Y. P. Sarnikar

Department of chemistry

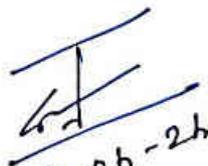

Principal
Dayanand Science College
Dargad J. S.



GUIDE

Dr. R. Jadhav

Department of Chemistry


08-04-24



SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED.



CERTIFICATE

This is to certify that Mr. JADHAV RUSHIKESH BABURAO
has successfully completed the project entitled Is an original work
carried out by the candidate for project **"Synthesis of Chalcone and
its Derivatives"** in the Department of Chemistry of **Dayanand Science
College, Latur** under my supervision.

Principal

Dr. J.S. Dargad

H.O.D.

Prof. Y.P. Sarnikar
Department of Chemistry

Guide

Prof. Y.P. Sarnikar
Department of Chemistry

48-04-24



SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED.



CERTIFICATE

This is to certify that **Ms. Aboli Dhondiram Kamble** has successfully completed the project entitled Is an original work carried out by the candidate for project "**Synthesis of Chalcone and its Derivatives**" in the Department of Chemistry of **Dayanand Science College, Latur** under my supervision.


Principal
Dayanand Science College
Latur-413512
Dist. Jalgaon


H.O.D.

Asst. prof. Y.P. Sarnikar sir
Department of chemistry

Examined

08/04/24



Guide
Asst. prof. Munde Madam
Department of chemistry



DAYANAND SCIENCE COLLEGE, LATUR

CERTIFICATE

This is to certify that MS. ASHVINI GIRJAPPA KAMBLE has successfully completed the project entitled "Synthesis of dihydro-pyrimidinones Using Microwave- assisted Solventless Biginelli Reaction" which is an original work carried out by the candidate for project in Department of Chemistry of DAYANAND SCIENCE COLLEGE LATUR under my supervision.

Principal
Dayanand Science College
Latur-413512

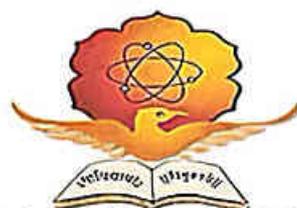
H.O.D.

Dr. Y.P. SARNIKAR SIR
Dept. of Chemistry

GUIDE

Miss. Munde M.P.
Dept. of Chemistry

08-04-24



स्वामी रामानंद तीर्थ मराठवाडा विश्वविद्यालय, नांदेड

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



"असतो मा सद्गमय" "असतो मा सद्गमय" "असतो मा सद्गमय"

CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **Ms. Vaishnavi B. Kamble** has successfully completed the project entitled which is a work carried out by the candidate for project '**Synthesis of Acid Mediated Benzoxazole Using Novel Methodology**'. In department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR under my supervision.

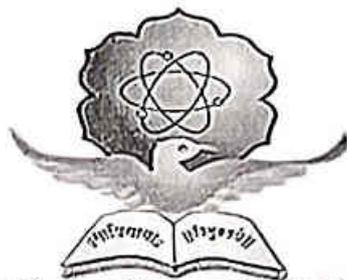
Principal
Dayanand Science College
Latur-413512

Dr. Sarnikar Y. P

Department of chemistry

Dr. E. K. Pathan

Department of chemistry



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHIWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that MISS. KESARE GITANJALI NARAYAN has successfully completed the project entitled which is an original work carried out by the candidate for project
"Ultrasonic assisted synthesis of Metal complexes of Schiff bases and their applications"

In Department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR under my supervision.

Principal
Principal

Dayanand Science College
Latur-413512

H.O.D.

Dr. Y. P. SARNIKAR

Department of chemistry

08.04.24
GUIDE

Dr. N. S. KORDE

Department of Chemistry



SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE LATUR.

This is certify that MISS. KHODSE RUTUJA NILKANTH has successfully completed the project entitled which is an original work carried out by the candidate for project ' **ULTRASONIC SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL ACTIVITY OF 4-SALICYLIDINE AMINO BENZOIC ACID.**'

In Department of chemistry in DAYANAND, SCIENCE COLLEGE LATUR under my supervision.


Principal
Principal
Dayanand Science College
Latur-413512


H.O.D
DR. Y.P.SARNIKAR
Department of chemistry


08.04.24
GUIDE
DR.N.S.Korde
Department of
Chemistry


+8-07-124



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **MISS. JAYASHRI SADANAND KSHIRSAGAR** has successfully completed the project entitled which is an original work carried out by the candidate for project "SYNTHESIS OF SULPHUR & NITROGEN CONTAINING FUSED HETEROCYCLES COMPOUNDS" In Department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR under my supervision.


H.O.D.

Dr. Y. P. SARNIKAR

Department of chemistry


Principal
Dayanand Science College
Latur-413512

Examined
[Signature]
08/04/24



GUIDE

ASST PROF. V. S. SONKAMBLE

Department of Chemistry



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that has successfully completed the MISS. **DISHA HARIRAM KULKARNI** project entitled "SYNTHESIS AND ANTIMICROBIAL ACTIVITY OF SOME 1, 3, 4-OXADIAZOLE DERIVATIVES" which is an original work carried out by the candidate for project In Department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR under my supervision.

PRINCIPAL
Principal
Dayanand Science College
Latur-413512

06/04/2024
Supervisor

Asst. prof. N. S. Dhekane
D.S.C.LATUR

28-04-24

HOD

Dr.Y.P.Sarnikar
D.S.C.LATUR



**SWAMI RAMANAND TEERTH
MARATHWADA UNIVERSITY, NANDED**



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that MISS MALI SUJATA JOTIRAM has successfully completed the project entitled which is an original work carried out by the candidate for project "**UNCATALUSED SYNTHESIS OF CHROMENO(2,3-d) PYRIMIDINE TRIONES DERIVATIVES**".

In Department of chemistry in **DAYANAND SCIENCE COLLEGE, LATUR** under my supervision.


H.O.D.

Dr. Y. P. Sarnikar

Department of chemistry

Examined

08/04/24


GUIDE

Dr. S. S. MAHURKAR

Department of Chemistry


Principal
Dayanand Science College
P. S. Dargad
Latur-418512

CERTIFICATE

This is to certify that the project report entitled "**1, 8 Dioxo - octahydroanthrene**" which is being submitted with of the project work completed by **MANALE PRASHANT RAJABHAU** for the award of the degree of science in organic chemistry is based on the result of experiments carried out by his under my supervision. The disseratation or part there of has not been preiously submitted for any other degree.

Place : Latur

Date :- 08/04/2024


Dr. Y.P. SARNIKAR

Head of department of chemistry

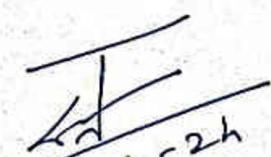

Dr. N.A. Nedar

Supervisor / Guide


Dr. J.S. Dargad

Principle

DSC Latur


08-04-24



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA
UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **Mr Maske Dinesh Vaibhav** has successfully completed the project entitled which is an original work carried out by the candidate for project
“**Synthesis of Naphopyrano Pyrimidine Derivative by using Tetrabutyl Ammonium Hydrogen Sulphate**”

In Department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR
under my supervision.


H.O.D.

Dr. Y. P. Sarnikar
Department of chemistry
Chemistry


Principal

Dr. Dargad J. S.
Principal
Dayanand Science College
Latur-43112

Examined
S. Pathe
08/04/24.


GUIDE

Dr. J. A. ANGULWAR
Department of



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



आ नो भद्राः क्रतवो यन्तु विश्वतः

CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **Masuldar Sana Fayaj** has successfully completed the project entitled which is an original work carried out by the candidate for project
“**SYNTHESIS OF ANALOGUE OF ANTICANCER NATURAL PRODUCT (+ -)- PEHARMALINE-A**”

In Department of chemistry in **DAYANAND SCIENCE COLLEGE, LATUR**
under my supervision

PRINCIPAL

Dr. Dargad J.S.

(DSCL Latur)

H.O.D

Asst. Prof. Dr. Sarnikar Y. P.

GUIDE

DR. N.A Kedar

०८-०५-२०२५



"अ नो भद्रा क्रतवो यत्नं विश्रतः"

DAYANAND SCIENCE COLLEGE, LATUR

CERTIFICATE

This is to certify that **Mr. Morepatil Ashutosh Sudhakar** has successfully completed the project entitled **Synthesis Of Schiff's bases By using Different Ligand And Metal Complexes** which is an original work carried out by the candidate for project in Department of Chemistry of **DAYANAND SCIENCE COLLEGE LATUR** under my supervision.



PRINCIPAL

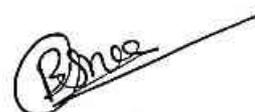
DR. J.S. DARGAD



H.O.D.

Prof. Y.P. SARNIKAR SIR

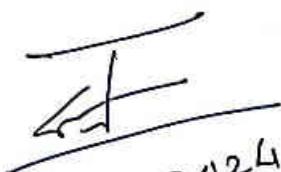
Dept. of Chemistry



Supervisor

Prof B. S. kale

Dept. of Chemistry



08-06-2024



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **Miss. Nade jyoti prakash** has successfully completed the project entitled which is an original work carried out by the candidate for project "Uncatalysed synthesis of 2 - amino - 4 - (aryl) - 5 - oxo - 5, 6, 7,8 - tetrahydro - 4H - chromene derivatives."

In Department of chemistry in DAYANAND SCIENCE COLLEGE,
LATUR
under my supervision.


H.O.D.

Dr. Y. P. Sarnikar
Department of Chemistry


GUIDE

Dr. S. S. Mahurkar
Department of Chemistry



Principal
Dr. Dargad J. S.
Principal
Dayanand Science College
Latur-413512


08-01-24



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that has successfully completed the MISS. PRITI ACHYUTRAO RAJHUNS project entitled "SYNTHESIS OF 1,3,4THIADIAZOLE AND ITS DERIVATIVES" which is an original work carried out by the candidate for project In Department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR under my supervision.


Principal
Dayanand Science College
Latur-413511
Dr. S. Daggad
Examined

08/04/24


06/04/2024
Supervisor

Asst. Prof. N. S. Dhekane
D.S.C. LATUR


HOD
Dr. Y. P. Sarnikar
D.S.C. LATUR



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **MISS MAHEK SHAIKH** has successfully completed the project entitled which is an original work carried out by the candidate for project
"SYNTHESIS OF CHALCONE DERIVATIVES AND ITS BIOLOGICAL ACTIVITIES"

In Department of chemistry in DAYANAND SCIENCE COLLEGE,
LATUR under my supervision.

Principal

Dr. Dargad J. S.

H.O.D.

Dr. Y. P. Sarnikar

Department of chemistry

GUIDE

Dr. R. S. SHINDE

Department of Chemistry

Examined
R.S.H.
08/04/24.



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHIWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **MR. SHAIKH SOHEL** has successfully completed the project entitled which is an original work carried out by the candidate for project "**Acidity In Tea Leaves**"

In Department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR under my supervision.


H.O.D.

Dr. Y. P. Sarnikar
Department of chemistry


Principal
Dr. Dargad J. S.
Principal
Dayanand Science College
Latur-413512


GUIDE
DR. R. S. SHINDE
Department of Chemistry





स्वामी रामानन्द तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHIWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **Miss Shewale Preeti Dayanand** has successfully completed the project entitled which is an original work carried out by the candidate for project **"SYNTHESIS OF TETRA HYDRO BENZO [B] PYRANE DERIVATIVE BY USING TBAB AS CATALYST"**

In Department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR under my supervision.

H.O.D.

Dr. Y. P. Sarnikar
Department of Chemistry

Examined
@dhe
08/04/24.

GUIDE

Dr. S. S. Mahurkar
Department of Chemistry

Principal
Dayanand Science College
Latur-413512



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY.NANDED



"अ नो भद्रा क्रमको यन्मु विश्वतः"

CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **MISS. SURYAWANSHI ROHINI PRABHAKAR** has successfully completed the project entitled which is an original work carried out by the candidate for project "SYNTHESIS OF BENZIMIDAZOLE DERIVATIVE BY USING HETEROGENIC CATALYSIS"

In Department of chemistry in **DAYANAND SCIENCE COLLEGE, LATUR** under my supervision.



Principal

Dr. J. S. Dargad

Principal
Dayanand Science College
Latur-413512



H.O.D.

Dr. Y.P. SARNIKAR

Department of chemistry

examined.
Pradhe
08/04/24



Dr. N. A. KEDAR

Department of chemistry



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHIWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **MISS. SONTAKKE PALLAVI ASHOK** has successfully completed the project entitled which is an original work carried out by the candidate for project "**Application of Biginelli Reaction in Organic Synthesis**"

In Department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR under my supervision.


Principal
Dayanand Science College
Latur-413512
Dr. Durgad J. S.


H.O.D.

Dr. Y. P. Sarnikar
Department of chemistry



GUIDE

Dr. R. Jadhav
Department of Chemistry


08-04-24



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **MISS VYAS VAISHNAVI SANJAY** has successfully completed the project entitled **"Synthesis Of Pyrano [2,3-D] Pyrimidine Derivatives"** which is an original work carried by the candidate for project in the Department of chemistry in **DAYANAND SCIENCE COLLEGE, LATUR** under my supervision.

Principal

Dr. Dargad J. S.

H.O.D.

Dr. Y. P. Sarnikar

Department of chemistry

GUIDE

Dr. J.A. Angulwar

Department of Chemistry



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHIWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **MISS RUTUJA GUNDU WAGHMARE** has successfully completed the project entitled which is an original work carried out by the candidate for project "**Synthesis of 2-methyl thio-3-cyano-7-substituted phenyl-4H-pyrimido-4on-(2,3-d)-1,3,4-thiadiazole**"_In Department of chemistry in DAYANAND SCIENCE COLLEGE,LATUR under my supervision.


H.O.D.

Dr. Y. P. Sarnikar

Department of chemistry



Principal

Principal

Dayanand Science College

Latur-413512

examined,


08/04/24


4/4/2024

GUIDE

Dr. J. A. Angulwar

Department of Chemistry



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **Ms. Sandhya Rajkumar Waghmare** has successfully completed the project entitled which is an work carried out by the candidate for project 'SYNTHESIS OF CHROMONE ANALOGUE VIA CHALCONE SYNTHESIS'.

In department of chemistry in **DAYANAND SCIENCE COLLEGE, LATUR** under my supervision.

Principal
Dayanand Science College
Latur-413512

H.O.D.

Dr. Sarnikar Y. P

Department of chemistry

Examined

08/10/24.

Dr. E. K. Pathan

Department of chemistry

CERTIFICATE



This is to certify that Mr. Walampalle Rushikesh Shivaji completed his project work entitled " Synthesis of Characterization Of Mn dopping Ferrite Nanaoparticles using Co – Precipitation Method " under my guidance.

It is further certified that the project work submitted by Mr. Walampalle Rushikesh Shivaji is the original work planned and carried out in Dayanand Science College.



H.O.D.

Prof. Y.P. Sarnikar Sir

Department of Chemistry



Principal

Dr. J.S. Dargad Sir

Dayanand Science College, Latur



Guide

Dr. R. S. Shinde

Date:



18-05-21

Place:



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHIWADA UNIVERSITY, NANDED



CERTIFICATE

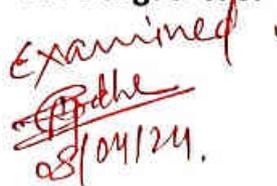
DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **MISS. YELLALE MAYURI MADHAV** has successfully completed the project entitled which is an original work carried out by the candidate for project "**SYNTHESIS OF CHALCONE DERIVATIVES**"

In Department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR under my supervision.


Principal

Dr. Dargad J. S.

Examined

28/04/24.


H.O.D.

Dr. Y. P. Sarnikar

Department of chemistry

GUIDES


Dr. N. A. KEDAR

Department of Chemistry



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



“अ नो भद्रा क्रमते यानु विद्ययाः”

CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **Mr. KANWATE MANOJ VASANTRAO** has successfully completed the project entitled which is an work carried out by the candidate for project 'RARE SUGAR CONTAINING POLYSACCHARIDE WITH DE-MANOSE AND DEGALACTOSE UNITS'.

In department of chemistry in **DAYANAND SCIENCE COLLEGE, LATUR** under my supervision.

Principal

Dr. J. S. Dargad

H.O.D.

Dr. Sarnikar Y. P

Department of chemistry

Supervisor

Dr. E. K. Pathan

Department of chemistry

Examined

08/04/24



DAYANAND SCIENCE COLLEGE, LATUR

CERTIFICATE

This is to certify that Mr. Veer Dhiraj Bhaskar has successfully completed the project entitled **Synthesis of schiff's bases by using different ligand and metal complexes** which is an original work carried out by the candidate for project in Department of Chemistry of **DAYANAND SCIENCE COLLEGE LATUR** under my supervision.



PRINCIPAL

DR. J.S. DARGAD



H.O.D.

Prof. Y.P. SARNIKAR SIR

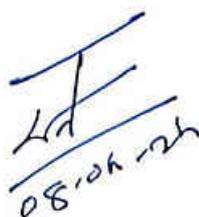
Dept. of Chemistry



Supervisor

Prof B. S .kale

Dept. of Chemistry



08/06/24



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड

SWAMI RAMANAND TEERTH MARATHIWADA UNIVERSITY, NANDED



"अ नो भया क्लमो यस्तु विद्वान्"

CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **Ms. Vandana Katale** has successfully completed the project entitled which is a work carried out by the candidate for project '**Microwave Assessed, Fast and clean of some phenolic aldehyde**'. In department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR under my supervision.

Principal
Principal
Dayanand Science College
Latur-413512

H.O.D.

Dr. Sarnikar Y. P

Department of chemistry

Supervisor

Dr. R.S. Shinde

Department of chemistry



"अ नो भद्रा क्रतयो यन्तु विश्वतः"

DAYANAND SCIENCE COLLEGE, LATUR

CERTIFICATE

This is to certify that Mr. Om Digambar Mohite has successfully completed the project entitled Synthesis of schiff's bases by using different ligand and metal complexes which is an original work carried out by the candidate for project in Department of Chemistry of DAYANAND SCIENCE COLLEGE LATUR under my supervision.

PRINCIPAL

DR. J.S. DARGAD

H.O.D.

Prof. Y.P. SARNIKAR SIR

Dept. of Chemistry

Supervisor

Dr. Ennus K. Pathan

Dept. of Chemistry

Examined
Pathan
08/04/24.

CERTIFICATE

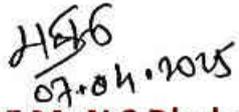
Certified that the work presented in this thesis entitled **VARIOUS APPROACHES FOR SYNTHESIS OF OXADIAZOLE** Is based on the authentic record of project done **Miss Awalkonde Mayuri Gurunath**. Under guidance and supervision of. **Asst PROF N S DHEKANE** At the Department of Chemistry, Dayanand Science college Latur under the Swami Ramanand Tirth Marathwada University, Nanded during the academic year 2024-2025

It is certified that of correction/ suggestion indicated for Internal Assessment have been incorporated in the project report. The project report Place:- Latur has been approval as it satisfies the academic requirement in respect of project work prescribed for the said degree.

Place:- Latur

Date:- 08/04/2025


Dr. S.S. Bellale
Principle of DSCL
Principal
Dayanand Science College
Latur


07.04.2025
PROF Mr N S Dhekane


H.O.D. Dr. Y.P. Sarnikar





स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that has successfully completed the **MISS. VISHAKHA GAUTAM BANSODE** project entitled “**DERIVATIVES 1, 3, 4-OXADIAZOLE**” which is an original work carried out by the candidate for project In Department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR under my supervision.


PRINCIPAL

Dr. S. S. Bellale
I/C Principal
Dayanand Science College
Latur


Supervisor

Dr. A. M. Chougule

D.S.C. LATUR


HOD

Dr. Y. P. Sarnikar

D.S.C. LATUR





DAYANAND SCIENCE COLLEGE, LATUR

Certificate

This is to certify that Miss . Neha Babasaheb Deshmukh has successfully completed the project entitled "which is an original work carried out by the candidate for project in Department of Chemistry of "DAYANAND SCIENCE COLLEGE ,LATUR Under my supervision .

Dr . S . S . BELLALE
Principal
Dayanand Science College
Latur

H.O.D

Prof .Y.P SARNIKAR

Department of chemistry.

GUIDE

DR.MAHURKAR S.S

Department of chemistry



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR.

This is to certify that has successfully completed the MISS. SANA SHAFI GADIWAN project entitled "PREPARATION OF PRESERVATIVES AND IT'S APPLICATION IN COSMETICS" which is an original work carried out by the candidate for project In Department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR under my supervision.

Principal

Dr. S.S.BELLALE

I/C Principal
Dayanand Science College
Latur

Supervisor

Dr. N. S. KORDE

D.S.C. LATUR

HOD

Dr. Y.P. Sarnikar

D.S.C. LATUR

Exp. by
Dr. Y.P. Sarnikar



DAYANAND SCIENCE COLLEGE, LATUR

CERTIFICATE

This is to certify that Miss. Ghogare Pragati Jagannath has successfully completed the project entitled "Sustainable synthesis of pyrazolone derivatives without catalys" which is an original work carried out by the candidate for project in Department of Chemistry of DAYANAND SCIENCE COLLEGE LATUR under my supervision.


H.O.D.

Dr. Y.P. SARNIKAR SIR
Dept. of Chemistry


PRINCIPAL
DR. S.S. BELLALE
I/C Principal
Dayanand Science College
Latur


GUIDE

Miss. Munde M.P.
Dept. of Chemistry





स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR.

This is to certify that has successfully completed the DNYANESHWAR VIJAYKUMAR HILLAL project entitled "SUSTAINABLE SYNTHESIS OF PYRAZOLONE DERIVATIVES WITHOUT CATALYST" which is an original work carried out by the candidate for project In Department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR under my supervision.


Supervisor

Asst. Prof. M.P.MUNDHE
D.S.C. LATUR


Principal
Dr. S. S. Bellale
I/C Principal
Dayanand Science College
Latur


HOD

Dr.Y.P.Sarnikar
D.S.C. LATUR





स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA
UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

MISS.ARCHANA ADYAPPA KUMBHAR

This is to certify that has successfully completed the MISS.
ARCHANA ADYAPPA KUMBHAR project entitled "NANO STARCH A
NOVEL AND GREEN CATALYST FOR SYNTHESIS OF 2-AMINOTHIAZOLES
IT'S DERIVATIVES"

Which his anoriginal work carried out by the candidate for project In
Department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR
Under my supervision.

Principal

Dr. S. S. Belkale

Dayanand Science College
Latur

HSB
07.04.2015

Supervisor

Asst.Prof. N.S.Dhekane

HOD
Dr. Y. P. Sarnikar



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHIWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **MISS. LAMTURE YOGESHVARI RAJESH** has successfully completed the project entitled which is an original work carried out by the candidate for project " **Synthesis of herbal soaps** " in the department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR under my supervision.


H.O.D.

Dr. Y. P. Sarnikar

Department of chemistry


Principal

Dr. S. S. Bellale
I/C Principal
Dayanand Science College
Latur


GUIDE

Dr. R.S. Shinde

Department of Chemistry



2024-2025



DAYANAND SCIENCE COLLEGE, LATUR

CERTIFICATE

This is to certify that Mr. Mane Sambhaji Shivaji has successfully completed the project entitled **Synthesis of schiff's bases by using different ligand and metal complexes** which is an original work carried out by the candidate for project in Department of Chemistry of DAYANAND SCIENCE COLLEGE LATUR under my supervision.

PRINCIPAL

DR. S.S Bellale


H.O.D.

Prof. Y.P. SARNIKAR SIR

Dept. of Chemistry

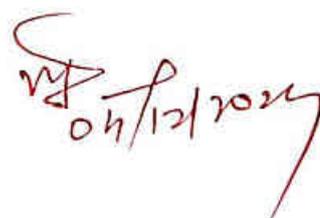
Supervisor

Dr.S.N IBATTE

Dept. of Chemistry



2


04/12/2024



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA
UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that Mr. MUDE ABHISHEK ESHVAR has successfully completed the project entitled which is an original work carried out by the candidate for project **“Synthesis of 2-Methyl Thio-3-Cyano-7-Substituted Phenyl-4H-Pyrimido-4on-(2,3-D)-1,3,4-Thiadiazole”**

In Department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR under my supervision.


Principal

Dr. S. S. Bellale
I/C Principal
Dayanand Science College
Latur


H. O. D.

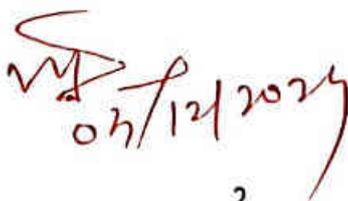
Dr. Sarnikar Y. P.

Department of chemistry
Chemistry


2/11/2024

Dr. J. A. Angulwar

Department of


07/12/2024



"अ नो भद्रा क्रमप्रो वलु विशतः"

DAYANAND SCIENCE COLLEGE, LATUR

Certificate

This is to certify that Miss. Patel Surayya Jamil Has successfully completed the project entitled "**SYNTHESIS OF SUBSTITUTED 1,3,4-THIADIAZOLE DERIVATIVES**". which is an original work carried out by the candidate for project In Department of Chemistry of **DAYANAND SCIENCE COLLEGE, LATUR** under my Supervision.

Principal

Dr. S.S.BELLALE
I/C Principal
Dayanand Science College
Latur

GUIDE

Prof. A. B. Mane

Department of Chemistry

H.O.D

Prof. Y.P.SARNIKAR

Department of Chemistry



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that Miss.Patil Sudarshani Bhagwan I has successfully completed the project entitled which is an original work carried out by the candidate for project "**SYNTHESIS OF CHALCONE DERIVATIVES** "

In Department of chemistry in **DAYANAND SCIENCE COLLEGE, LATUR** under my supervision.


H.C.D.

Asst. Prof. Sarnikar Y. P.

Department of chemistry

Dayanand Science College

Latur


Principal
Dr.S.S.Bellale
I/C Principal
Dayanand Science College
Latur


GUIDE

ASST.PROF.B.S.Kale

Department of chemistry

Dayanand Science College

Latur


2



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



Certificate

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **MR.PAWAR OMKAR RAJENDRA** has successfully completed the project entitled which is an original work carried out by the candidate for project "ECO-FRIENDLY SYNTHESIS OF AN INDOLE-BASED THIOETHER DERIVATIVE USING IONIC LIQUID" In Department of chemistry in Dayanand Science College, Latur under my supervision.

PRINCIPAL

Dr. Dr. S. S. Bellale

I/C Principal
Dayanand Science College
Latur

H.O.D

Prof. Y.P. SARNIKAR

Department of Chemistry.

GUIDE

Dr. S. S. Mahurkar

Department of Chemistry.



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



आ नो भद्राः क्रतवो यन्तु विश्वतः

CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **MR. DIPAK BALASAHEB RATHOD** has successfully completed the project entitled which is an original work carried out by the candidate for project. 'SYNTHESIS OF COUMARIN DERIVATIVES'

In department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR under my supervision.


Head, O.D.
UG & PG Department of Chemistry,
Dayanand Science College,
Latur-413512 (M.S.)
Asst. Prof. S. P. Patilkar Y. P


PRINCIPAL
Dr. S. S. Bellale
I/C Principal
Dayanand Science College
Latur


GUIDE

ASST PROF Sonkamble V S


04/12/2023


04/12/2023



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



आ नो भद्राः क्रतवो यन्तु विश्वतः

CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is to certify that **MISS KANCHAN KERBA SHINDE** has successfully completed the project entitled, which is an original work carried out by the candidate for the project. 'Synthesis of chalcone' in Department of Chemistry at DAYANAND SCIENCE COLLEGE, LATUR, under my supervision.


H.O.D.

Asst. Prof. Sarnikar Y. P


PRINCIPAL
Dr. S. S. Bellale
Dayanand Science College
Latur


GUIDE

PROF Sonkamble V S





"अ नो भद्रा क्रणो यत्तु विशतः"

DAYANAND SCIENCE COLLEGE, LATUR

Certificate

This is to certify that Miss .Sirgapore Anam Zohra A. Matin Has successfully completed the project entitled. "**SYNTHESIS OF THIOSEMICARBAZIDE DERIVATIVES**". which is an original work carried out by the candidate for project in Department of Chemistry of **DAYANAND SCIENCE COLLEGE, LATUR** under my supervision.

Principal

Dr. S.S. BELLALE
I/C Principal
Dayanand Science College
Latur

H.O.D
Prof. Y.P. SARNIKAR
Department of Chemistry

GUIDE
Prof. A.B. Mane
Department of Chemistry



DAYANAND SCIENCE COLLEGE, LATUR

Certificate

*This is to certify that Miss.Rutuja Sanjay Sude .Has successfully completed the project entitled "Synthesis of thiophenol by Michael addition" which is an original work carried out by the candidate for project In Department of Chemistry of **DAYANAND SCIENCE COLLEGE, LATUR** under my Supervision.*

Dr. S. S. Bellale
I/C Principal
Dayanand Science College
Latur

H.O.D

Prof. Y.P.SARNIKAR

Department of Chemistry.

GUIDE

Prof.B.S.Kale

Department of Chemistry.



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHIWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

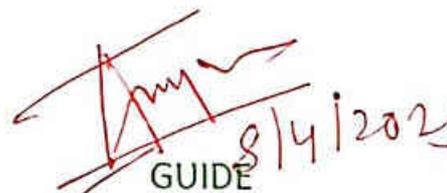
This is to certify that **MISS. SHEETAL RAJKUMAR SUTAR.**
has successfully completed the project entitled which is an original work carried out by
the candidate for project "**Synthesis of Heterocyclic Compound Containing
Nitrogen, Oxygen and it's Derivatives**" In Department of chemistry in Dayanand
Science College, Latur under my supervision.


H.O.D.

Dr. Sarnikar Y. P.

Department of chemistry


I/C Principal
Dr. Bellale S. S.
I/C Principal
Dayanand Science College
Latur


GUIDE 8/4/2025

Dr. J. A. Angulwar

Department of Chemistry



CERTIFICATE

Certified that the work presented in this thesis entitled **SYNTHESIS OF 2,2 [(4 NITROPHENYL METHYLENE) BIS (5-5DIMETHYL 1-3CYCLOHEXANEDIONBY USING DIFFERENT CATALYST SOLVENT**

Is based on the authentic record of project done **Miss Anjali SudhaKar Gaikwad** .Under guidance and supervision of. **Asst prof R.K .Jdhav** At the Department of Chemistry, Dayanand Science college Latur underthe Swami Ramanand Tirth Marathwada University,Nanded during the academic year 2024-2025

It is certified that of correction/ suggesation indicated for Internal Assessment have been incorporated in the project report. The project report Place:- Latur has been approval as it satisfies the academic requirement in respect of project work prescribed for the said degree.

Place:- Latur

Date:-


Dr.S.S.Bellale

Principle of DSCL
I/C Principal
Dayanand Science College
Latur


Prof. R.K. jadhav


H.O.D. Dr. Y.P.Sarnikar





SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR

This is certify that **SURVASE SHWETA DNYANOBA** has satisfactory completed the project entitled which is an original work carried out by the candidate for project **“SYNTHESIS OF ORGANIC DYES VIA COUPLING REACTION”**

In Department of chemistry in DAYANAND SCIENCE COLLEGE, LATUR under my supervision.

H.O.D.

Asst.Prof. **Sarnikar Y.P.**
Head
Department of Chemistry,
UG & PG Department of Chemistry,
Dayanand Science College,
LATUR-413512 (M.S.)

Principal

S.S. Bellale
I/C Principal
Dayanand Science College
Latur

Guide

N.A. Kedar
Department of Chemistry



DAYANANDSCIENCECOLLEGE,LATUR

CERTIFICATE

This is certify that **MISS.MAHADEVI DADARAO KAMBLE** has Successfully completed the project entitled "**MICROWAVE ASSISTED SYNTHESIS OF 3-(1H-INDOLE-3-YL)-1,3-DIPHENYL PROPAN-1- ONE) DERIVATIVES**"

Which is an original work carried out by the candidate for project

In Department of chemistry in DAYANAND SCIENCE COLLEGE , LATUR under my supervision.

H.O.D.

Asst.Prof. Sarnikar Y.P.
Department of Chemistry

Principal

S.S. Bellale
I/C Principal
Dayanand Science College
Latur

Guide

Dr. Mahurkar S.S.
Department of Chemistry



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



CERTIFICATE

DAYANAND SCIENCE COLLEGE, LATUR.

This is to certify that has successfully completed the MR.NATU VISHAL TANAJIRAO project entitled "**Synthesis of Schiffs bases and their metal complexes**" which is an original work carried out by the candidate for project In Department of chemistry in DAYANAND SCIENCE COLLEGE,LATUR under my supervision.


Principal

Dr. S. S. Bellale
i/c Principal
Dayanand Science College
Latur


Supervisor

Asst. Prof. Dr. A. M. Chougule
D.S.C. LATUR


HOD

Dr. Y. P. Sarnikar
D.S.C. LATUR





Dayanand Education Society's

DAYANAND SCIENCE LATUR.

CERTIFICATE

This is to certify that the project entitled "Home Service" has been carried out by **PANKAJ RAJENDRA SURYAWANSHI** under my guidance in partial fulfilment of the degree i.e. of Computer Science of SRTMU, Nanded during the academic year 2023-2024


Miss. S.V. Kale
Guide


Mrs. S. A. Jaju
Coordinator


Dr. R. B. Shinde
Department of Computer Science
HOD
Dayanand Science College, Latur



Dayanand Science College Latur.

CERTIFICATE

This is to certify that the Seminar entitled “CORE JAVA (J2SE)” has been carried out by **BHISE NISHIGNDHA RAJABHAU** under my guidance in partial fulfillment of the degree of M.SC. Of SRTMU, Nanded during the academic year 2023-2024


Guide
Miss. S. V. Kale


Coordinator
Mrs. S. A. Jaju
Dr


H.O.D
Dr. R. B. Shinde
Department of Computer Science
Dayanand Science College, Latur



Dayanand Science College Latur.

CERTIFICATE

This is to certify that the Project entitled "INDIAN TOURISM" has been carried out by **LOKHANDE MAHADEVI DATTU** under my guidance in partial fulfillment of the degree of M.SC. of SRTMU, Nanded during the academic year 2023-2024

Guide
Miss.S.V. Kale

Coordinator
Mrs. S. A. Jaju

H.O.D
Dr. R. B. Shinde
Department of Computer Science
Dayanand Science College, Latur



Dayanand Education Society's
DAYANAND SCIENCE LATUR.

CERTIFICATE

This is to certify that the project entitled "**GO TOURS AND TRAVEL**" has been carried out by **Biradar Swati Sanjiv** under my guidance in partial fulfillment of the degree i.e. Master of Computer Science of SRTMU, Nanded during the academic year 2023 -2024


Miss S.V. Kale
Guide


Dr. S. A. Jaju
Coordinator
Department of Computer Science


Dr. R. B. Shinde
HOD

Department of Computer Science
Head
Department of Computer Science
Dayanand Science College, Latur



Dayanand Science College Latur.

CERTIFICATE

This is to certify that the Project entitled "AMAZON CLOUD" has been carried out by AGWANE MAYURI SHIVAJI under my guidance in partial fulfillment of the degree of M.Sc. of SRTMU, Nanded during the academic year 2023-2024


Guide
Miss. S.V. Kale


Coordinator
Mrs. S.A. Jaju

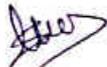

H.O.D
Dr. R.B. Shinde
Department of Computer Science
Dayanand Science College, Latur



Dayanand Education Society's
DAYANAND SCIENCE LATUR.

CERTIFICATE

This is to certify that the project entitled "Go Tours and Travel" has been carried out by Pathak Rushikesh Ramakant under my guidance in partial fulfillment of the degree i.e. Bachelor of Computer Science of SRTMU, Nanded during the academic year 2023 -2024


Miss S.V. Kale
Guide


Dr. S. A. Jaju
Coordinator
Department of Computer
Science


Head
Department of Computer Science
HOD
Dayanand Science College, Latur
Department of Computer
Science



Dayanand Education Society's
DAYANAND SCIENCE LATUR.

CERTIFICATE

This is to certify that the project entitled "GALWAY ARTS GALLERY" has been carried out by Agwane Vilas Mahadev under my guidance in partial fulfillment of the degree i.e. Bachelor of Computer Science of SRTMU, Nanded during the academic year 2023 -2024


Miss S.V. Kale
Guide


Dr. S. A. Jaju
Coordinator
Department of Computer
Science


Head
Department of Computer Science
Dayanand Science College, Latur
Department of Computer
Science



Dayanand Science College Latur.

CERTIFICATE

This is to certify that the Seminar entitled “**Ticket Booking System**” has been carried out by **NIKITA UDHAV DHAGE** under my guidance in partial fulfillment of the degree of M.SC. Of SRTMU, Nanded during the academic year 2023-2024


Guide
Miss. S. V. Kale


Coordinator
Mrs. S. A. Jaju


H.O.D
Dr. R. B. Shinde
Department of Computer Science
Dayanand Science College, Latur



Dayanand Science College Latur.

CERTIFICATE

This is to certify that the Seminar entitled “**BLUE BRAIN**” has been carried out by ANJALI AMBADAS NAIK under my guidance in partial fulfillment of the degree of B.SC. of SRTMU, Nanded during the academic year 2023-2024

Guide
Miss.S.V. Kale

Coordinator
Mrs. S. A. Jaju

H.O.D
Dr. R. B. Shinde
Department of Computer Science
Dayanand Science College, Latur



Dayanand Education Society's
DAYANAND SCIENCE LATUR.

CERTIFICATE

This is to certify that the project entitled "**Online Clothing Shop**" has been carried out by **Dhumal Dhiraj Rajabhau** under my guidance in partial fulfillment of the degree i.e. Master of Computer Science of SRTMU, Nanded during the academic year 2023 -2024


Miss S.V. Kale
Guide


Dr. S. A. Jaju
Coordinator

Department of Computer Science


Dr. R. B. Shinde
Head
Department of Computer Science
Dayanand Science College, Latur
HOD

Department of Computer Science



Dayanand Education Society's
DAYANAND SCIENCE COLLEGE, LATUR

CERTIFICATE

is to certify that the project entitled «Campus Placement Drive» has been carried out by **Deshmukh Yogita Ankush** Under my guidance in partial fulfilment of the degree i.e Master of Computer Science of SRTMU, Nanded during the academic year 2023-2024.


Miss. S. V. Kale
Guide


Dr. S. A. Jaju
Coordinator
Department of Computer
Science


Dr. R. B. Shinde
HOD
Department of Computer
Science
Dayanand Science College, Latur

Internal Examiner

External Examiner



Dayanand Education Society's
DAYANAND SCIENCE COLLEGE, LATUR.

CERTIFICATE

This is to certify that the project entitled "STUDMAP" has been carried out by Ta under my guidance in partial fulfilment of the degree i.e. Master of Computer Science of SRTMU, Nanded during the academic year 2023-2024.

Miss. S. V. Kale
Guide

Internal Examiner

Dr. S. A. Jaju
Coordinator Department
of Computer Science

Dr. R. B. Shinde
Head
Department of Computer Science
HOD,
Dayanand Science College, Latur
Department of Computer
Science

External Examiner



Dayanand Science College Latur.

CERTIFICATE

This is to certify that the Project entitled "Online Book Shop" has been carried out by **Bhise Nikita Laxman** under my guidance in partial fulfillment of the degree of M.SC. of SRTMU, Nanded during the academic year 2023-2024


Guide
Miss.S.V. Kale


Coordinator
Mrs. S. A. Jaju


Head
HOD
Department of Computer Science
Dayanand Science College, Latur
Dr. B. B. Shinde

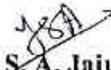


Dayanand Education Society's
DAYANAND SCIENCE LATUR.

CERTIFICATE

This is to certify that the project entitled "CYBER SECURITY" has been carried out by **Fattepure Bharat Jivan** under my guidance in partial fulfillment of the degree i.e. Bachelor of Computer Science of SRTMU, Nanded during the academic year 2023 -2024


Miss S.V. Kale
Guide


Dr. S. A. Jaju
Coordinator
Department of Computer
Science


Dr. R. L. Shinde
Head
Department of Computer Science
Dayanand Science College, Latur
Department of Computer
Science



Dayanand Education Society's
DAYANAND SCIENCE LATUR.

CERTIFICATE

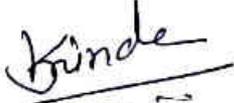
This is to certify that the project entitled "Employee Management System" has been carried out by **Shaikh Arif Jawed** under my guidance in partial fulfillment of the degree i.e. Master of Computer Science of SRTMU, Nanded during the academic year 2023 -2024


Miss S.V. Kale

Guide


Dr. S. A. Jaju
Coordinator

Department of Computer
Science


Head
Department of Computer Science
Dayanand Science College, Latur

Department of Computer
Science



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CERTIFICATE

This is to certify that the project entitled "Face Recognition" has been carried out by **Juhi Sanjay Manale** under my guidance in partial fulfillment of the degree i.e. of Computer Science of SRTMU, Nanded during the academic year 2023-2024


Miss.S.V.Kale
Guide


Mrs. S. A. Jaju
Coordinator


Dr. R. B. Shinde
Head
HOD
Department of Computer Science
Dayanand Science College, Latur



Dayanand Science College Latur.

CERTIFICATE

This is to certify that the Seminar entitled “Fees Management System” has been carried out by **Nandini Gopal Sawant** under my guidance in partial fulfillment of the degree of M.Sc. Of SRTMU, Nanded during the academic year 2023-2024

Guide
Miss. S. V. Kale

Coordinator
Dr. S. A. Jaju

Head
Department of Postgraduate Science
Dayanand Science College, Latur

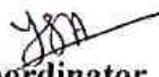


Dayanand Science College Latur.

CERTIFICATE

This is to certify that the Seminar entitled "ATTENDANCE MANAGEMENT" has been carried out by KADAM SARITA GOPALRAO under my guidance in partial fulfillment of the degree of M.Sc. of SRTMU, Nanded during the academic year 2023-2024


Guide
Miss.S.V.Kale


Coordinator
Mrs.S.A. Jaju


Head
Dr.R.B.Shinde
Department of Computer Science
Dayanand Science College, Latur



Dayanand Science College Latur.

CERTIFICATE

This is to certify that the Seminar entitled "Lightweight Shareable and Traceable Secure Mobile Health System" has been carried out by Wadkar Amar Sidhappa under my guidance in partial fulfillment of the degree of M.SC. Of SRTMU, Nanded during the academic year 2023-2024


Guide
Miss. S. V. Kale


Coordinator
Dr. S. A. Jaju


H.O.D
Dr. R. B. Shinde



Dayanand Science College Latur.

CERTIFICATE

This is to certify that the Seminar entitled "AMAZON CLONE" has been carried out by GORE AMRAPALI PURUSHOTTAM under my guidance in partial fulfillment of the degree of M.SC. of SRTMU, Nanded during the academic year 2023-2024


Guide
Miss.S.V. Kale


Coordinator
Mrs. S. A. Jaju
Ds.


H.O.D
Dr. R. B. Shinde
Head
Department of Computer Science
Dayanand Science College, Latur



Dayanand Education Society' s

DAYANAND SCIENCE COLLEGE, LATUR.

CERTIFICATE

This is to certify that the project entitled " **Online voting system**" has been carried out by YERTE PRABHULING SHREYA under my guidance in partial fulfilment of the degree i.e. Master of Computer Science of SRTMU, Nanded during the academic year 2023-2024


Miss S. V.
Kale
Guide

Internal Examiner


Dr. S. A. Jaju
Coordinator
Department of
Computer Science

External Examiner


Head
Department of Computer Science
Dayanand Science College, Latur
Department of Computer
Science



Dayanand Education Society's
DAYANAND SCIENCE COLLEGE, LATUR.

CERTIFICATE

This is to certify that the project entitled "Unique Book Gallery" has been carried out by Tawale Anjali Mohan under my guidance in partial fulfilment of the degree i.e. Master of Computer Science of SRTMU, Nanded during the academic year 2023-2024.

Miss. S. V. Kale
Guide

Dr. S. A. Jaju
Coordinator
Department of Computer
Science

Head
Department of Computer Science
Dayanand Science College, Latur
Department of Computer
Science

Internal Examiner

External Examiner



Dayanand Science College Latur.

CERTIFICATE

This is to certify that the Seminar entitled "OUR APP-SOCIAL MEDIA" has been carried out by KULKARNI PRANAV S my guidance in partial fulfillment of the degree of M.SC. of SRTMU, Nanded during the academic year 2023-2024

Guide
Miss. S.V. Kale

Coordinator
Mrs. S.A. Jaju
Drs

H.O.D
Dr. R.B. Shinde
Department of Computer Science
Dayanand Science College, Latur



Dayanand Science College Latur.

CERTIFICATE

This is to certify that the Seminar entitled "OUR APP-SOCIAL MEDIA" has been carried out by **KULKARNI VEDANT VIJAYKUMAR** under my guidance in partial fulfillment of the degree of **M.SC. of SRTMU, Nanded** during the academic year 2023-2024


Guide
Miss. S. V. Kale


Coordinator
Mrs. S. A. Jaju


H.O.D.
Dr. R. B. Shinde
Department of Computer Science
Dayanand Science College, Latur



Dayanand Education Society's
DAYANAND SCIENCE LATUR.

CERTIFICATE

*This is to certify that the project entitled "Online School Admission System" has been carried out by **Surwase Shweta Shivaji** my guidance in partial fulfillment of the P.G. i.e. Master of Computer Science of SRTMU, Nanded during the academic year 2023-2024*


Name of Guide
Kale S.V.


Mrs. S. A. Jaju
Coordinator
Department of Computer
Science


Dr. R. B. Shinde
Head
Department of Computer Science
Dayanand Science College, Latur
Department of Computer
Science

Internal Examiner

External Examiner



Dayanand Science College, Latur

CERTIFICATE

This is to certify that the Seminar entitled “Society Management System” has been carried out by **Deshmukh Nirmohi Vinod** under my guidance in partial fulfillment of the degree of M.Sc.(CS) of SRTMU, Nanded during the academic year 2023-2024

Guide
Miss.S.V.Kale

Coordinator
Mrs.S.A. Jaju

H.O.D
Dr.R.B. Shinde



Dayanand Education Society's
DAYANAND SCIENCE LATUR.

CERTIFICATE

This is to certify that the project entitled **"Employee Management System"** has been carried out by **Pawan Balaji Mugale** under my guidance in partial fulfillment of the degree i.e. Master of Computer Science of SRTMU, Nanded during the academic year 2023 -2024

Miss S.V. Kale

Guide

Dr. S. A. Jaju

Coordinator

Department of Computer
Science

Dr. R. B. Shinde

HOD

Department of Computer

Science
Head

Department of Computer Science
Dayanand Science College, Latur



Dayanand Education Society's
DAYANAND SCIENCE LATUR.

CERTIFICATE

This is to certify that the project entitled “**Online Clothing Shop**” has been carried out by **Choudhari Gauspasha Bashamiya** under my guidance in partial fulfillment of the degree i.e. Master of Computer Science of SRTMU, Nanded during the academic year 2023 -2024

Miss S.V. Kale
Guide

Dr. S. A. Jaju
Coordinator

Department of Computer Science

Dr. R. B. Shinde
Department of Computer Science
HOD
Dayanand Science College, Latur
Department of Computer Science



Dayanand Education Society's
DAYANAND SCIENCE LATUR

CERTIFICATE

This is to certify that the project entitled "Online Restaurants Booking System" has been carried out by **Mr. Kulkarni Pranav Sudhir, Mr. Biradar Swapnil Govind**, **Mr. Kulkarni Vedant Vijaykumar** under my guidance in partial fulfillment of the degree i.e. Master of Computer Science of SRTMU, Nanded during the academic year 2024-2025

Dr. R.B. Shinde
Guide

Miss. S.V. Kale
Coordinator
Department of Computer
Science

Dr. R. B. Shinde
Head
Department of Computer Science
Department of Computer
Science
Dayanand Science College, Latur

Internal Examiner

External Examiner



Dayanand Education Society's
DAYANAND SCIENCE LATUR

CERTIFICATE

This is to certify that the project entitled **“Expense And Income Tracker Application”** has been carried out by **Mr. Agwane Vi las Mahadev, Mr. Fattepure Bharat Jivan, Mr . Pathak Rushikesh Ramakant** under my guidance in partial fulfillment of the degree i.e. Master of Computer Science of SRTMU, Nanded during the academic year 2024-2025

Dr. R. B. Shinde

Guide

Miss. S.V. Kale
Coordinator

Department of Computer
Science

Dr. R.B. Shinde
Head
Department of Computer Science
Dayanand Science College, Latur

Internal Examiner

External Examiner



Dayanand Education Society's
DAYANAND SCIENCE LATUR.

CERTIFICATE

This is to certify that the project entitled "**Emotions and Gesture Recognition System Project**" has been carried out by **Miss. Lokhande Mahadevi Dattu, Miss. Bhise Nikita Laxman, Deshmukh Yogita Ankush** under my guidance in partial fulfillment of the degree i.e. Master of Computer Science of SRTMU, Nanded during the academic year 2024-2025

S.V. Kale Madam
Guide

S. V. Kale
Coordinator
Department of Computer
Science

Dr. R. B. Shinde
HOD
Department of Computer Science
Department of Computer
Science
Dayanand Science College, Latur

Internal Examiner

External Examiner

Dr. S. S. Bellale
Principal

Dayanand Science College,
Latur.



Dayanand Education Society's
DAYANAND SCIENCE LATUR

CERTIFICATE

This is to certify that the project entitled "**Future of virtual tourism**" has been carried out by **Mr. Pankaj Rajendra Sureyawanshi, Mr. Pawan Balaji Mugale** under my guidance in partial fulfillment of the degree i.e. Master of Computer Science of SRTMU, Nanded during the academic year 2024-2025

Miss. S.V. Kale

Guide

Miss. S.V. Kale
Coordinator

Department of Computer
Science

Dr. R. B. Shinde
HOD

Department of Computer
Science

Head

Department of Computer Science
Dayanand Science College, Latour

Internal Examiner

External Examiner



Dayanand Education Society's
DAYANAND SCIENCE LATUR

CERTIFICATE

This is to certify that the project entitled "**Brain Chip Technology**" has been carried out by **Miss. Agwane Mayuri Shivaji, Miss. Gore Amrapali Purushottam** under my guidance in partial fulfillment of the degree i.e. Master of Computer Science of SRTMU, Nanded during the academic year 2024-2025

Miss. S.V. Kale

Guide

Computer

Miss. S.V. Kale

Coordinator

Department of Computer

Science

Dr. R.B. Shinde

Department of Computer Science

Dayanand Science College, Latur

Science

Internal Examiner

External Examiner



Dayanand Education Society's
DAYANAND SCIENCE LATUR.

CERTIFICATE

This is to certify that the project entitled "**The Evolution of Job Search Platform**" has been carried out by **Mr. Dhumal Dhiraj Rajabhau, Miss. Biradar Swati Sanjiv** under my guidance in partial fulfillment of the degree i.e. Master of Computer Science of SRTMU, Nanded during the academic year 2024-2025

Dr. R. B. Shinde
Guide

Miss. S. V. Kale
Coordinator
Department of Computer
Science

Dr. R. B. Shinde
HOD
Department of Computer Science
Department of Computer
Science



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DAYANAND SCIENCE LATUR

CERTIFICATE

This is to certify that the project entitled "**Online Application using Automation Testing**" has been carried out by **Miss. Dhage Nikita Uddhavrao, Miss. Bhise Nishigandha Rajabhau, Mr. Wadkar Amar Sidhappa** under my guidance in partial fulfillment of the degree i.e. Master of Computer Science of SRTMU, Nanded during the academic year 2024-2025

Miss. S.V. Kale

Guide

Miss. S.V. Kale

Coordinator

Department of Computer
Science

Dr. R. B. Shinde

HEAD

Department of Computer Science
Dayanand Science College, Latur

Internal Examiner

External Examiner



Dayanand Education Society's
DAYANAND SCIENCE LATUR

CERTIFICATE

This is to certify that the project entitled “**Online School Admission System**” has been carried out by **Miss. Kadam Sarita, Miss. Manale Juhi Prabhuling, Miss. Surwase Shweta** under my guidance in partial fulfillment of the degree i.e. Master of Computer Science of SRTMU, Nanded during the academic year 2024-2025.

Miss. S.V. Kale
Guide

Miss. S.V. Kale
Coordinator

Dr. R.B. Shinde
HOD
Department of Computer Science
Dayanand Science College, Latur

Internal Examiner

External Examiner



Dayanand Education Society's
DAYANAND SCIENCE LATUR

CERTIFICATE

This is to certify that the project entitled **“Predictive Analytics in Sports: Enhancing Performance and Strategy – Dream 11 Clone”** has been carried out by **Mr. Shaikh Arif Jawed, Miss. Yerte Shreya Prabhuling, Miss. Tawale Anjali Mohan** under my guidance in partial fulfillment of the degree i.e. Master of Computer Science of SRTMU, Nanded during the academic year 2024-2025

Miss. S.V. Kale

Guide

Miss. S.V. Kale

Coordinator
Department of Computer
Science

Dr. R. B. Shinde

Head
Department of Computer Science
Dayanand Science College, Latur

Internal Examiner

External Examiner



Dayanand Education Society's
DAYANAND SCIENCE LATUR

CERTIFICATE

This is to certify that the project entitled **"BANKING REST API"** has been carried out by **Miss. Jevare Akanksha Dhondiram, Miss. Deshmukh Nirmohi Vinod, Miss. Sawant Nandini Gopal** under my guidance in partial fulfillment of the degree i.e. Master of Computer Science of SRTMU, Nanded during the academic year 2024-2025

Miss. S. V. Kale

Guide

Miss. S. V. Kale

Coordinator
Department of Computer
Science

Dr. R. B. Shinde
HOD

Department of Computer
Science

Internal Examiner

External Examiner



A PROJECT REPORT ON

Investigation and Synthesis of Pure and Zn doped CdO by Co- precipitation Method

SUBMITTED TO

Swami Ramanand Teerth Marathwada University Nanded.

FOR THE PARTIAL FULFILMENT OF DEGREE OF

Master of Science (M. Sc.)

In

PHYSICS

UNDER THE FACULTY OF SCIENCE

BY

Miss. Mane Nikita Nandkishor.

UNDER THE GUIDANCE

Capt. Dr. Vijendra A. Chaudhari

HOD & Associate Professor

Thin Films and Materials Research Laboratory

DEPARTMENT OF PHYSICS

DAYANAND SCIENCE COLLEGE, LATUR, 413512

APRIL-2024



CERTIFICATE

The work presented in the thesis entitled " Investigation and Synthesis of pure and Zn doped CdO by coprecipitation method " is based on the authentic record of the project done by Miss. Mane Nikita Nandkishor under the guidance of Capt.Dr. Vijendra Anant Chaudhari, HoD, Department of Physics, Dayanand Science College, Latur under the **Swami Ramanand Teerth Marathwada University,Nanded**. During the Academic year 2023- 2024. It is certified that corrections / suggestions indicated for internal assessment have been incorporated in the project report. The project report has been approved as it satisfies the academic requirements in respect of Certified Project work prescribed for the said degree.

Place: Latur

Date: 13/04/24

Project Guide
Capt. Dr. V. A. Chaudhari

HOD **Head**
Department of Physics & Electronics
Dayanand Science College, Latur

PRINCIPAL
PRINCIPAL
Dayanand Science College
LATUR

External viva-voce Remark:

The work is satisfactory.

Name of the Examiners with signature and date:

13.4.24
(Dr. R. J. Topare)
VPP
(V. P. Pawar)
13.04.2024



A PROJECT REPORT ON

Synthesis & Structural Characterization of Pure ZnO & Fe Doped ZnO
by Chemical Route Method

SUBMITTED TO

Swami Ramanand Teerth Marathwada University, Nanded .

FOR THE PARTIAL FULFILLMENT OF DEGREE OF
MASTER OF SCIENCE (M.SC)
IN
PHYSICS.

Under The faculty of science
by

Miss-Deshmukh Namrata Santosh.

**Under The Guidance Of
Capt. Dr. Vijendra A. Chaudhari
(HOD & Associate Professor)**

**Thin Films & Material Laboratory
DEPARTMENT OF PHYSICS**

**DAYANAND SCIENCE COLLEGE, LATUR 413512.
April 2024.**

CERTIFICATE

This is to certified that the work presented in this thesis entitled "**Synthesis and characterization of Pure ZnO and Fe doped ZnO by Chemical Route Method**" is based on the authentic record of Project done by the Miss. Namrata Santosh Deshmukh under the guidance of Capt. Dr. V. A. Chaudhari, HoD Department of Physics, Dayanand science college Latur under the Swami Ramanand Teerth Marathwada University Nanded during the academic year 2023-2024. It is Certified that of correction / suggestions indicated for internal assessment have been incorporated in the Project report. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.

Place-Latur

Date- 13/04/2024



PROJECT GUIDE
Capt. Dr. V. A. Chaudhari.



Head
Department of Physics & Electronics
Capt. Dr. V. A. Chaudhari
Dayanand Science College, Latur

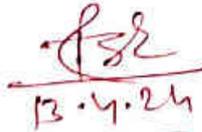


PRINCIPAL
Dr. J. S. Dargad
PRINCIPAL
Dayanand Science College
LATUR

External Viva-voce Remark:

The work is satisfactory.

Name of the examiners with signature & date:



13.4.24
(Dr. R. J. Topare)

IIPP
13.04.2024
(I. P. Pawar)



A PROJECT REPORT ON

"Synthesis and Structural Characterization of Pure ZnO and Mg Doped ZnO by Coprecipitation Method"

SUBMITTED TO

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED.

**FOR THE PARTIAL FULFILMENT OF THE DEGREE OF
MASTER OF SCIENCE (M.Sc.)**

IN

PHYSICS

UNDER THE FACULTY OF SCIENCE

By

Miss. Motegaonkar Shweta Namdev

**UNDER THE GUIDANCE OF
Capt. Dr. V. A. Chaudhari
(HoD & Associate Professor)**

**THIN FILM AND MATERIAL SCIENCE LABORATORY
DEPARTMENT OF PHYSICS, DAYANAND SCIENCE COLLEGE
LATUR:413512**

April - 2024

CERTIFICATE

This is to Certified that the work presented in this thesis entitled "Synthesis and Structural Characterization of Pure ZnO and Mg Doped ZnO by Chemical Route Method" is based on authentic record of project done by Shweta Namdev Motegaonkar under the guidance of Capt. Dr. V. A. Chaudhari, HoD Department of Physics, Dayanand Science College, Latur, under the Swami Ramanand Teerth Marathwada University, Nanded during the academic year 2023-24. It is certified that of correction / suggestions indicated for internal assessment have been incorporated in the project report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for same degree.

PLACE: LATUR

DATE: 13/4/24



PROJECT GUIDE
Capt. Dr. V. A. Chaudhari



HOD Head
Department of Physics & Electronics
Capt. Dr. V. A. Chaudhari
Dayanand Science College, Latur



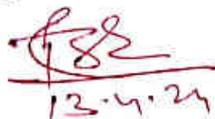
PRINCIPAL
Dr. J. S. Dargad

PRINCIPAL
Dayanand Science College
LATUR

External Viva-voce Remark :

Satisfactory work.

Name of the examiner with signature and date:


13.4.24

(Dr. R. J. Topare)

IIPP
13.04.2024 3
(I.P. Pawar)



A PROJECT REPORT ON

**Synthesis & Structural Characterization of Pure ZnO & Fe Doped ZnO
by Chemical Route Method**

SUBMITTED TO

Swami Ramanand Teerth Marathwada University, Nanded .

**FOR THE PARTIAL FULFILLMENT OF DEGREE OF
MASTER OF SCIENCE (M.SC)
IN
PHYSICS.**

**Under The faculty of science
by**

Miss-Deshmukh Mayuri Anantrao.

**Under The Guidance Of
Capt. Dr. Vijendra A. Chaudhari
(HOD & Associate Professor)**

**Thin Films & Material Laboratory
DEPARTMENT OF PHYSICS**

**DAYANAND SCIENCE COLLEGE, LATUR 413512.
April 2024.**

CERTIFICATE

This is to certified that the work presented in this thesis entitled "Synthesis and characterization of Pure ZnO and Fe doped ZnO by Chemical Route Method" is based on the authentic record of Project done by the Miss. Mayuri Anantrao Deshmukh under the guidance of Capt. Dr. V. A. Chaudhari, HoD Department of Physics, Dayanand science college Latur under the Swami Ramanand Teerth Marathwada University Nanded during the academic year 2023-2024. It is Certified that of correction / suggestions indicated for internal assessment have been incorporated in the Project report. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.

Place-Latur

Date- 13-04-24



PROJECT GUIDE
Capt.Dr.V.A.chaudhari.



HoD. Head
Department of Physics & Electronics
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External Viva-voce Remark:

Satisfactory work.

Name of the examiners with signature & date:


13.4.24
(Dr. R. J. Topare)
13.04.2024
(H.P.Pawar)



A Project Report On

" Synthesis and Structural Characterization Of Pure CdO and Mg Doped CdO by Coprecipitation Method"

SUBMITTED TO

Swami Ramanand Teerth Marathwada University, Nanded

FOR THE PARTIAL FULFILMENT OF DEGREE OF

Master of Science (M.Sc.)

In

PHYSICS

UNDER THE FACULTY OF SCIENCE

BY

Miss. Bagwan Umeza Maheboob

(Roll No: 651, M.Sc. II year)

UNDER THE GUIDANCE OF

Capt. Dr. Vijendra Anant Chaudhari

(HoD & Associate Professor)

Thin Films & Material Science Research Laboratory

DEPARTMENT OF PHYSICS

DAYANAND SCIENCE COLLEGE, LATUR-413512

April-2024



CERTIFICATE



This is to Certified that the work presented in this thesis entitled "**Synthesis And Structural Characterization Of Pure CdO And Mg Doped CdO By Coprecipitation Method**" Is based on the authentic record of project done by Miss. **Bagwan Umeza Maheboob** (Roll No : 651, M.Sc II year) under the guidance and supervision of **Capt. Dr. Vijendra Anant Chaudhari**, HoD Department of Physics, Dayanand Science College, Latur under the **Swami Ramanand Teerth Marathiwada university**. **Submitted** During the Academic year 2023-2024 . It is certified that of corrections / suggestions indicated for internal assessment have been incorporated in the project report. The project report has been approved as it satisfies the academic requirements in respect of Certified project work prescribed for the said degree.

Place: **Latur**

Date: 13/04/2024

PROJECT GUIDE

Capt. Dr. V.A. CHAUDHARI

HOD Head

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PRINCIPAL
Dayanand Science College
LATUR

External Viva-Voce Remark:

The work is satisfactory.

Name of the Examiners with signature and date:

(Dr. R.S. Topase)

11PP
13.04.2024



A PROJECT REPORT ON

**“Synthesis and Structural Characterization of Pure ZnO and Mg
Doped ZnO by Coprecipitation Method”**

SUBMITTED TO

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED.

**FOR THE PARTIAL FULFILMENT OF THE DEGREE OF
MASTER OF SCIENCE (M.Sc.)**

IN

PHYSICS

UNDER THE FACULTY OF SCIENCE

By

Mr. Sonwane Krishnakumar Pradip

**UNDER THE GUIDANCE OF
Capt. Dr. V. A. Chaudhari
(HoD & Associate Professor)**

**THIN FILM AND MATERIAL SCIENCE LABORATORY
DEPARTMENT OF PHYSICS, DAYANAND SCIENCE COLLEGE
LATUR:413512**

April - 2024

CERTIFICATE

This is to Certified that the work presented in this thesis entitled "Synthesis and Structural Characterization of Pure ZnO and Mg Doped ZnO by Chemical Route Method" is based on authentic record of project done by Krishnakumar Pradip Sonwane under the guidance of Capt. Dr. V. A. Chaudhari, HoD Department of Physics, Dayanand Science College, Latur, under the Swami Ramanand Teerth Marathwada University, Nanded during the academic year 2023-24. It is certified that of correction / suggestions indicated for internal assessment have been incorporated in the project report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for same degree.

PLACE: LATUR

DATE:



PROJECT GUIDE
Capt. Dr. V. A. Chaudhari



Head
Department of Physics & Electronics
Capt. Dr. V. A. Chaudhari
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Dayanand Science College
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External Viva-voce Remark :

Satisfactory work.

Name of the examiner with signature and date:

NPP
V. P. Pawar
13.04.2024


13.4.24
3
(Dr. R. J. Topane)





A PROJECT REPORT ON

Investigation and Synthesis of Pure and Zn doped CdO by Co-precipitation Method

SUBMITTED TO

Swami Ramanand Teerth Marathwada University Nanded.

FOR THE PARTIAL FULFILMENT OF DEGREE OF

Master of Science (M. Sc.)

In

PHYSICS

UNDER THE FACULTY OF SCIENCE

BY

Miss. Shaikh Arshiya Ayub.

UNDER THE GUIDANCE

Capt. Dr. Vijendra A. Chaudhari

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Thin Films and Materials Research Laboratory

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DAYANAND SCIENCE COLLEGE, LATUR, 413512

APRIL-2024

1 | Page





CERTIFICATE

The work presented in the thesis entitled "Investigation and Synthesis of pure and Zn doped CdO by coprecipitation method" is based on the authentic record of the project done by Miss. Shaikh Arshiya Ayub under the guidance of Capt. Dr. Vijendra Anant Chaudhari, HoD, Department of Physics, Dayanand Science College, Latur under the **Swami Ramanand Teerth Marathwada University, Nanded**. During the Academic year 2023- 2024. It is certified that corrections / suggestions indicated for internal assessment have been incorporated in the project report. The project report has been approved as it satisfies the academic requirements in respect of Certified Project work prescribed for the said degree.

Place: Latur

Date: / /

Project Guide
Capt. Dr. V. A. Chaudhari

HOD **Head**
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External viva-voce Remark:

The work is satisfactory

Name of the Examiners with signature and date:

13.4.24
D. R. J. Topaze

11PP
13.04.2024
(11.P.Pawar)



A Project Report On

“ Synthesis and Structural Characterization Of Pure CdO and Mg Doped CdO by Coprecipitation Method”

SUBMITTED TO

Swami Ramanand Teerth Marathwada University, Nanded

FOR THE PARTIAL FULFILMENT OF DEGREE OF

Master of Science (M.Sc.)

In

PHYSICS

UNDER THE FACULTY OF SCIENCE

BY

Miss. Pathan Firdose Abdul Hameed

(Roll No: 657, M.Sc. II year)

UNDER THE GUIDANCE OF

Capt. Dr. Vijendra Anant Chaudhari

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DEPARTMENT OF PHYSICS

DAYANAND SCIENCE COLLEGE, LATUR-413512

April-2024



CERTIFICATE

This is to Certified that the work presented in this thesis entitled **“Synthesis And Structural Characterization Of Pure CdO And Mg Doped CdO By Coprecipitation Method”** Is based on the authentic record of project done by Miss. **Pathan Firdose Abdul Hameed** (Roll No : 657 ,M.Sc II year under the guidance and supervision of **Capt. Dr . Vijendra Anant Chaudhari**, HoD Department of physics, Dayanand Science College, Latur under the **Swami Ramanand Teerth Marathwada university**. awarded During the Academic year 2023-2024 . It is certified that of corrections / suggestions indicated or internal assessment have been incorporated in the project report. The project report has been approved as it satisfies the academic requirements in respect of Certified project work prescribed for the said degree.

Place: **Latur**

Date: / / 2024


PROJECT GUIDE

Capt.Dr. V.A. CHAUDHARI


Head
Department of Physics & Electronics
Dayanand Science College, Latur
Capt.Dr. V.A. CHAUDHARI


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Dr. J.S. DARGAD
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External Viva-Voce Remark:

Satisfactory work.

Name of the Examiners with signature and date:


13.4.24
(Dr. R. J. Topare)

11PP
13.04.2024
(11.P.Pawar)



A Project Report On



"Synthesis and Structural Characterization Of Pure CdO and Mg Doped CdO by Coprecipitation Method"

SUBMITTED TO

Swami Ramanand Teerth Marathwada University, Nanded

FOR THE PARTIAL FULFILMENT OF DEGREE OF

Master of Science (M.Sc.)

In

PHYSICS

UNDER THE FACULTY OF SCIENCE

BY

Miss. Kumarkiri Ayesha Gauspasha

(Roll No: 655, M.Sc. II year)

UNDER THE GUIDANCE OF

Capt. Dr. Vijendra Anant Chaudhari

(HoD & Associate Professor)

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DAYANAND SCIENCE COLLEGE, LATUR-413512

April-2024



CERTIFICATE



This is to Certified that the work presented in this thesis entitled "**Synthesis And Structural Characterization Of Pure CdO And Mg Doped CdO By Coprecipitation Method**" Is based on the authentic record of project done by Miss. **Kumarkiri Ayesha Gauspasha** (Roll No : 655 ,M.Sc II year) under the guidance and supervision of **Capt. Dr . Vijendra Anant Chaudhari**, HoD Department of Physics, Dayanand Science College, Latur under the **Swami Ramanand Teerth Marathwada university**. **awarded** During the Academic year 2023-2024 . It is certified that of corrections / suggestions indicated for internal assessment have been incorporated in the project report. The project report has been approved as it satisfies the academic requirements in respect of Certified project work prescribed for the said degree.

Place: **Latur**

Date: 13/04/2024

PROJECT GUIDE

Capt. Dr. V.A. CHAUDHARI

Head

HOD
Department of Physics & Electronics
Dayanand Science College, Latur
Capt. Dr. V.A. CHAUDHARI

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External Viva-Voce Remark:

Satisfactory work.

Name of the Examiners with signature and date:

13.4.24.

(Dr. R.J. Topare)

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13.04.2024

(H.P. Pawar)



A Project report on



***"Annealing Impact on Pure and Cobalt-Doped Mn_3O_4 :
Structural Paradigm Shifts"***

SUBMITTED TO

Swami Ramanand Teerth Marathwada University, Nanded.

FOR THE PARTIAL FULFILMENT OF DEGREE OF

Master of Science (M.Sc.)

In

PHYSICS

UNDER THE FACULTY OF SCIENCE

By

Miss. KAMBLE SHAKSHI BHAGAWAN

(Roll no: 654, MSC II Year)

UNDER THE GUIDANCE OF

Capt. Dr. V. A. Chaudhari

(HOD & Associate Professor)

Thin Film and Material Science Laboratory

DEPARTMENT OF PHYSICS

DAYANAND SCIENCE COLLEGE, LATUR-413512

April 2025





CERTIFICATE



This is to certified that the work presented in this project entitled "*Annealing Impact on Pure and Cobalt-Doped Mn₃O₄: Structural Paradigm Shifts*" is based on the authentic record of project done by Miss. Kamble Shakshi Bhagawan (Roll No:654, M.Sc. II year) under the guidance and supervision of Capt. Dr. V. A. Chaudhari, HOD Department of physics, Dayanand science college, Latur under the **Swami Ramanand Teerth Marathwada University, Nanded** during the Academic year 2024-2025. It is certified that of corrections/suggestion indicated for internal assessment have been incorporated in the project report. The project report has been approved as it satisfied the academic requirements in respect of certified project work prescribed for the said degree.

Place: **Latur**

Date: 05/04/2025


PROJECT GUIDE

Capt. Dr. V.A. CHAUDHARI


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Dr. V.A. CHAUDHARI


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Dr. S. S. Bellale
Dayanand Science College
Latur

External Viva-Voce Remark:

Satisfactory

Name Of the Examiners with signature and date:


12.4.25

VIPP
12.04.2025



A PROJECT REPORT ON

“Synthesis and Structural Characterization of Copper oxide and Mg doped by spray pyrolysis method”

SUBMITTED TO

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED

**FOR THE PARTIAL FULFILMENT OF THE DEGREE OF
MASTER OF SCIENCE (M.Sc.)**

In

PHYSICS

UNDER THE FACULTY OF SCIENCE

BY

Miss. Kamble Ratnamala Namdev

(Roll No: 653, M.Sc. II year)

UNDER THE GUIDANCE OF

Capt. Dr. V. A. Chaudhari

(HoD & Associate Professor)

Thin films & material science Research Laboratory

DEPARTMENT OF PHYSICS

DAYANAND SCIENCE COLLEGE, LATUR:413512

April - 2025



CERTIFICATE

This is to certified that the work presented in this project entitled **“Synthesis and Structural Characterization of Copper oxide and mg doped by spray pyrolysis method”** is based on the authentic record of project done by Miss. Kamble Ratnamala Namdev (Roll No:653,M.Sc II year) under the guidance and supervision of Capt. Dr . V. A. Chaudhari HoD Department of physics, Dayanand science college, Latur under the Swami Ramanand Teerth Marathwada University, Nanded during the Academic year 2024-2025. It is certified that of corrections/suggestion indicated for internal assessment have been incorporated in the project report. The project report has been approved as it satisfied the academic requirements in respect of certified project work prescribed for the said degree.

Place: **Latur**

Date: **05/April/2025**

PROJECT GUIDE

Capt. Dr. V. A. CHAUDHARI

HOD Head

Department of Physics & Electronics
Dayanand Science College, Latur

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Dayanand Science College
Latur

External Viva-Voce Remark :

Satisfactory

Name of the examiners with signature and date:

12.4.25

VIPP
12.04.2025



A Project report on



***"Annealing Impact on Pure and Cobalt-Doped Mn₃O₄:
Structural Paradigm Shifts"***

SUBMITTED TO

Swami Ramanand Teerth Marathwada University, Nanded.

FOR THE PARTIAL FULFILMENT OF DEGREE OF

Master of Science (M.Sc.)

In

PHYSICS

UNDER THE FACULTY OF SCIENCE

By

Mr. MATHAPATI PRASAD UMAKANT

(Roll no: 660, MSC II Year)

UNDER THE GUIDANCE OF

Capt. Dr. V. A. Chaudhari

(HOD & Associate Professor)

Thin Film and Material Science Laboratory

DEPARTMENT OF PHYSICS

DAYANAND SCIENCE COLLEGE, LATUR-413512

April 2025



CERTIFICATE



This is to certified that the work presented in this project entitled ***"Annealing Impact on Pure and Cobalt-Doped Mn3O4: Structural Paradigm Shifts"*** is based on the authentic record of project done by **Mr. Mathapati Prasad Umakant** (Roll No:660, M.Sc. II year) under the guidance and supervision of **Capt. Dr. V. A. Chaudhari**, HOD Department of physics, **Dayanand science college, Latur** under the **Swami Ramanand Teerth Marathwada University, Nanded** during the Academic year 2024-2025. It is certified that of corrections/suggestion indicated for internal assessment have been incorporated in the project report. The project report has been approved as it satisfied the academic requirements in respect of certified project work prescribed for the said degree.

Place: **Latur**

Date: **05/04/2025.**


PROJECT GUIDE

Capt. Dr. V.A. CHAUDHARI


HOD

Department of Physics & Electronics
 Dr. V.A. CHAUDHARI
 Dayanand Science College, Latur


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 VC Principal
 Dayanand Science College
 Latur

External Viva-Voce Remark:

Satisfactory

Name Of the Examiners with signature and date:


 12.4.25

11PP
 12.04.2025



A PROJECT REPORT ON



"Optimizing Crystallinity: Annealing-Induced Transformations in Mg-Doped CuO Films"

SUBMITTED TO

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED

FOR THE PARTIAL FULFILMENT OF THE DEGREE OF

MASTER OF SCIENCE (M.Sc.)

In

PHYSICS

UNDER THE FACULTY OF SCIENCE

BY

Miss. Divya Balaji Bhure

(Roll No: 651, M.Sc. II year)

UNDER THE GUIDANCE OF

Capt. Dr. V. A. Chaudhari

(HoD & Associate Professor)

Thin films & material science Research Laboratory

DEPARTMENT OF PHYSICS

DAYANAND SCIENCE COLLEGE, LATUR-413512

April - 2025





CERTIFICATE

This is to certified that the work presented in this project entitled **“Synthesis and Structural Characterization of Copper oxide and mg doped by spray pyrolysis method”** is based on the authentic record of project done by Miss. Bhure Divya Balaji (Roll No:651,M.Sc II year) under the guidance and supervision of Capt. Dr . V. A. Chaudhari HoD Department of physics, Dayanand science college, Latur under the Swami Ramanand Teerth Marathwada University, Nanded during the Academic year 2024-2025. It is certified that of corrections/suggestion indicated for internal assessment have been incorporated in the project report. The project report has been approved as it satisfied the academic requirements in respect of certified project work prescribed for the said degree.

Place: **Latur**

Date: **05/April/2025**

PROJECT GUIDE

Capt. Dr. V. A. CHAUDHARI

HOD Head

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Dayanand Science College, Latur

I/C Principal
Dayanand Science Colleg
Latur

External Viva-Voce Remark :

Satisfactory

Name of the examiners with signature and date:

12.4.25

VVP
12.04.2025



A PROJECT REPORT ON



“Synthesis and Structural Characterization of Copper oxide and Mg doped by spray pyrolysis method”

SUBMITTED TO

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED

FOR THE PARTIAL FULFILMENT OF THE DEGREE OF

MASTER OF SCIENCE (M.Sc.)

In

PHYSICS

UNDER THE FACULTY OF SCIENCE

BY

Miss. Kazi Ishrat Riyazoddin

(Roll No: 655, M.Sc. II year)

UNDER THE GUIDANCE OF

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(HoD & Associate Professor)

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DEPARTMENT OF PHYSICS

DAYANAND SCIENCE COLLEGE, LATUR-413512

April - 2025



CERTIFICATE

This is to certified that the work presented in this project entitled “**Synthesis and Structural Characterization of Copper oxide and mg doped by spray pyrolysis method**” is based on the authentic record of project done by Miss.Kazi Ishrat Riyazoddin (Roll No:655,M.Sc II year) under the guidance and supervision of Capt. Dr . V. A. Chaudhari HoD Department of physics, Dayanand science college, Latur under the Swami Ramanand Teerth Marathwada University, Nanded during the Academic year 2024-2025. It is certified that of corrections/suggestion indicated for internal assessment have been incorporated in the project report. The project report has been approved as it satisfied the academic requirements in respect of certified project work prescribed for the said degree.

Place: **Latur**

Date: **05/April/2025**

PROJECT GUIDE

Capt. Dr. V. A. CHAUDHARI

HOD Head

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Dayanand Science College, Latur

I/C Principal
Dayanand Science College
Latur

External Viva-Voce Remark :

satisfactory

Name of the examiners with signature and date:

12.4.25

11PP
12.04.2025



A PROJECT REPORT ON



“Nanostructured Pure and Zn-Doped CuO Thin Films: Synthesis and Structural Evolution via Spray Pyrolysis”

SUBMITTED TO

Swami Ramanand Teerth Marathwada University, Nanded.

For The Partial Fulfillment Of the Degree Of

Master Of Science (M.sc.)

In

Physics

Under The Faculty of Science

Miss.Mulla Alveera Javed

(Roll no:-656, M.sc II year)

UNDER THE GUIDANCE OF

Capt. Dr. V. A. Chaudhari

(HOD & Associate Professor)

Thin Film and Material Science Laboratory

Department Of Physics

Dayanand Science College,Latur: 413512

March – 2025



CERTIFICATE



This is to certified that the work presented in this project entitled "*Nanostructured Pure and Zn-Doped CuO Thin Films: Synthesis and Structural Evolution via Spray Pyrolysis*" is based on the authentic record of project done by miss. **Mulla Alveera Javed** (Roll No:656, M.Sc. II year) under the guidance and supervision of **Capt. Dr. V. A. Chaudhari**, HOD Department of physics, **Dayanand science college, Latur** under the **Swami Ramanand Teerth Marathwada University, Nanded** during the Academic year 2024-2025. It is certified that of corrections/suggestion indicated for internal assessment have been incorporated in the project report. The project report has been approved as it satisfied the academic requirements in respect of certified project work prescribed for the said degree.

Place: **Latur**

Date: 05/1 Apr / 2025

PROJECT GUIDE

Capt. Dr. V.A. CHAUDHARI

HOD

Department of Physics & Electronics
Dr. V.A. CHAUDHARI
Dayanand Science College, Latur

PRINCIPAL
Principal
Dayanand Science College
Dr. S.S. Latur

External Viva-Voce Remark:

Satisfactory

Name Of the Examiners with signature and date:

12.4.25

11PP
12.04.2025



A PROJECT REPORT ON



"Optimizing Crystallinity: Annealing-Induced Transformations in Mg-Doped CuO Films"

SUBMITTED TO

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED

FOR THE PARTIAL FULFILMENT OF THE DEGREE OF

MASTER OF SCIENCE (M.Sc.)

In

PHYSICS

UNDER THE FACULTY OF SCIENCE

BY

Miss. Munde Dipali Anil

(Roll No: 657, M.Sc. II year)

UNDER THE GUIDANCE OF

Capt. Dr. V. A. Chaudhari

(HoD & Associate Professor)

Thin films & material science Research Laboratory

DEPARTMENT OF PHYSICS

DAYANAND SCIENCE COLLEGE, LATUR-413512

April - 2025



CERTIFICATE

This is to certified that the work presented in this project entitled “**Synthesis and Structural Characterization of Copper oxide and mg doped by spray pyrolysis method**” is based on the authentic record of project done by Miss. Munde Dipali Anil (Roll No:657,M.Sc II year) under the guidance and supervision of Capt. Dr . V. A. Chaudhari HoD Department of physics, Dayanand science college, Latur under the Swami Ramanand Teerth Marathwada University, Nanded during the Academic year 2024-2025. It is certified that of corrections/suggestion indicated for internal assessment have been incorporated in the project report. The project report has been approved as it satisfied the academic requirements in respect of certified project work prescribed for the said degree.

Place: **Latur**

Date: 05/April/2025

PROJECT GUIDE

Capt. Dr. V. A. CHAUDHARI

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Head

Department of Physics & Electronics
Dayanand Science College, Latur

I/C Principal
Dayanand Science College
Latur

External Viva-Voce Remark :

Name of the examiners with signature and date:

Satisfactory

[Signature]
12.4.25

[Signature]
12.04.2025



A PROJECT REPORT ON



“Nanostructured Pure and Zn-Doped CuO Thin Films: Synthesis and Structural Evolution via Spray Pyrolysis”

SUBMITTED TO

Swami Ramanand Teerth Marathwada University, Nanded.

For The Partial Fulfillment Of the Degree Of

Master Of Science (M.sc.)

In

Physics

Under The Faculty of Science

Miss. Virkar Rupali Sunil

(Roll no:-659, M.sc II year)

UNDER THE GUIDANCE OF

Capt. Dr. V. A. Chaudhari

(HOD & Associate Professor)

Thin Film and Material Science Laboratory

Department Of Physics

Dayanand Science College, Latur: 413512

April – 2025





CERTIFICATE



This is to certified that the work presented in this project entitled *"Nanostructured Pure and Zn-Doped CuO Thin Films: Synthesis and Structural Evolution via Spray Pyrolysis"* is based on the authentic record of project done by Miss. **Virkar Rupali Sunil** (Roll No:659, M.Sc. II year) under the guidance and supervision of **Capt. Dr. V. A. Chaudhari**, HOD Department of physics, **Dayanand science college, Latur** under the **Swami Ramanand Teerth Marathwada University, Nanded** during the Academic year 2024-2025. It is certified that of corrections/suggestion indicated for internal assessment have been incorporated in the project report. The project report has been approved as it satisfied the academic requirements in respect of certified project work prescribed for the said degree.

Place: **Latur**

Date: 05/ April/2025


PROJECT GUIDE

Capt. Dr. V.A. CHAUDHARI


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Head

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V/C Principal
Dayanand Science College
Latur

Dr. S.S. Bellale

External Viva-Voce Remark:

Satisfactory

Name of the Examiners with signature and date:


12-4-25

VPP
12.04.2025



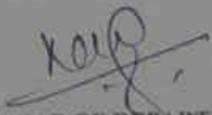
Dayanand Science College , Latur

CERTIFICATE

This is to certify that dissertation entitled "STUDY OF GASTRO INTESTINE PARASITES OF GOAT IN LATUR CITY" work is carried out by Mr. Govind Arjun Bhandarwad under my guidance and submitted for the award of Master of science in Zoology as per requirement of Dayanand Science College, Latur this has not been previously submitted for the degree of this College or any other university.

Date:-


PROJECT SUPERVISOR
Dr. A. S. Thasare


HEAD OF DEPARTMENT
Dr. R. V. Solunke
HEAD
Department of Zoology
& Fishery Science
Department of Zoology & Fishery Science, Latur, D.S.C.


EXTERNAL EXAMINER
1) Dr. K. S. Raut
2) Dr. A. M. Gaikwad
27/11/2024
7/1/24



CERTIFICATE

This is to certify that dissertation entitled "Biological study of Kava Lake at latur, dist. Latur" work is carried out by miss. Sandhya Sanjeevan Katlakute under my guidance and submitted for the award of mater of science in zoology as per requirement of Dayanand science college, latur this has been previously submitted for the degree of this college or any other university

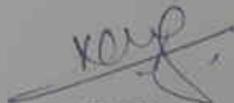
Date-



PROJECT

SUPERVISOR

MISS. T. B. SONKAMBLE



HEAD

OF DEPARTMENT

DR. R. V. SOLUNKE
HEAD

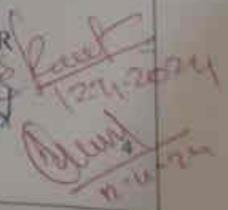
Department of Zoology
& Fishery Science

Dayanand Science College, Latur (M.S.)

EXTERNAL EXAMINER

1) Dr. K. S. Raut

2) Dr. A. M. Gaikwad


K.S. Raut
12/11/2024
A.M. Gaikwad
11/11/24



Dayanand Science College , Latur

CERTIFICATE

This is to certify that dissertation entitled "*A STUDY OF LOCAL ORNAMENTAL FISH SPECIES OF LATUR CITY*" work is carried out by Miss Kandharkar A. M. under my guidance and submitted for the award of **Master of science in zoology** as per requirement of **Dayanand science college, Latur** this has not been previously submitted for the degree of this College or any other university.

Date:-

1. Dr. K.S. Raut

2. Dr. A.M. Gaikwad

PROJECT SUPERVISOR

Prof. R. C. Shinde

HEAD OF DEPARTMENT
HEAD

Department of Zoology
& Fishery Science
Dayanand Science College, Latur (S.S.)

EXTERNAL EXAMINER



"अ नो मासः कल्पते पशु विद्याः"

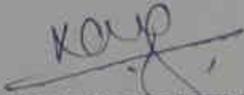
Dayanand Science College, Latur

CERTIFICATE

This is to certify that dissertation entitled "*COMPARITIVE STUDY OF POLLUTION STATUS BOREWELL WATER OF INDUSTRIAL AREA & BOREWELL WATER AWAY FROM THE INDUSTRIAL AREA IN LATUR, LATUR DISTRICT*" work is carried out by **Miss. Bansode S. L.** under my guidance and submitted for the award of **Master of science in zoology** as per requirement of **Dayanand science college, Latur** this has not been previously submitted for the degree of this College or any other university.

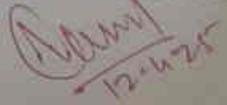
Date:-


12/04/24
PROJECT SUPERVISOR
Miss. A.V. Kamble


HEAD OF DEPARTMENT
HEAD
Department of Zoology
& Fishery Science
Dayanand Science College, Latur (M.S.)


12/04/2024
1] Dr. K.S. Raut

EXTERNAL EXAMINER

2] Dr. A.M. Gaikwad

12/04/24



"अ नो भद्रा क्रतवो यानु विद्वतः"

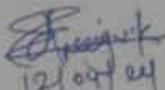
Dayanand Science College, Latur



This is to certify that dissertation entitled "Study of aquatic Insect in nagzari reservoir Latur" work is carried out by miss. Rathod M. B. under my guidance and submitted for the award of Master of Science in Zoology as per requirement of Dayanand Science college, Latur this has not been previously submitted for the degree of this College or any other university.

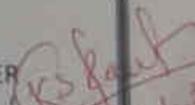
Date:-

Dr. Dargad J. S.
Principal


12/04/24
PROJECT SUPERVISER
Miss. A.Y. Kamble


HEAD OF DEPARTMENT
Dr. R.V. Solunke
HEAD
Department of Zoology
& Fishery Science
Dayanand Science College, Latur (M.S.)

EXTERNAL EXAMINER
Dr. R.S. Raut
Dr. A.M. Gaikwad

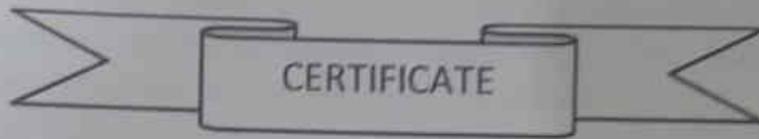

12/4/24

12/4/24



"अ नो भद्रा क्रतवो यन्तु विद्वतः"

Dayanand Science College , Latur



This is to certify that dissertation entitled "chemotherapy induced anemia " work is carried out by ms. Dhaygude O. S. under my guidance and submitted for the award of *Master of Science in Zoology* as per requirement of *Dayanand Science college, Latur* this has not been previously submitted for the degree of this College or any other university.

Date:-


PROJECT SUPERVISER


HEAD OF DEPARTMENT


EXTERNAL EXAMINAR

Swami Ramanand Teerth Marathwada University, Nanded

Dayanand College of Science, Latur



Certificate

This is to certify that Miss. Bhatlawande Chinmayee Diliprao, roll nu. 1051 of M.Sc. (Zoology) II year/III semester, has submitted this rearch project on 'genetic basis of diseases in women', under my guidance, as a partial fulfilment of M.Sc. II year, post graduate degree in zoology, to Dayanand Science College, Latur, affiliated with Swami Ramanand Teerth Marathwada University, Nanded.


Prof. R. C. Shinde

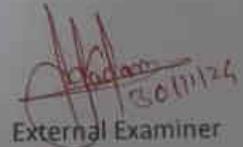
Teacher co-ordinator
Dayanand Science College, Latur



Dr. R. V. Solunke

HOD

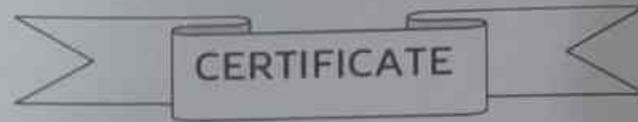
Dept. of Zoology and
Fishery Science,
Dayanand Science College,
Latur


External Examiner



"अमे नमो भगवते वासुदेवाः"

Dayanand Science college, Latur



This is to certify that dissertation entitled "Study of Aquatic Insects and their Ecological role work is carried out by Miss. Shradha B. Pade under my guidance and submitted for the award of Master of science in zoology as per requirement of Dayanand science college, Latur this has not been previously submitted for the degree of this College or any other university.

Date:-

PROJECT SUPERVISOR

HEAD OF DEPARTMENT

EXTERNAL EXAMINER

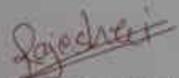


Dayanand Science college , Latur

CERTIFICATE

This is to certify that dissertation entitled "Isolation and Characterisation of prebiotic from dandelions extract study of its dietry effect on fish growth and health" work is carried out by **Mr. Chauhan U.P.** under my guidance and submitted for the award of **Master of science in zoology** as per requirement of **Dayanand science college, Latur** this has not been previously submitted for the degree of this College or any other university.

Date:- 30-11-2024


PROJECT SUPERVISOR


HEAD OF DEPARTMENT


30/11/24
EXTERNAL EXAMINER

Swami Ramanand Teerth Marathwada University

Dayanand Science College, Latur



Certificate

This is to certify that Miss. Bhatlawande Chinmayee Diliprao, roll nu. 1051 of M.Sc. (Zoology) II year/IV Semester, has submitted this research project on "Heredity of hypertension" under my guidance, as a fulfillment of M.Sc II year, post graduate degree in Zoology, to Dayanand Science College, Latur, affiliated with Swami Ramanand Teerth Marathwada University, Nanded.

Prof. Dharne P.S.

Assistant Professor

Dayanand Science College,

Latur

Dr. R. V. Solunke

HOD

Dept. of Zoology and Fishery

Science,

Dayanand Science College, Latur

I/C Principal
Dayanand Science College
Latur

External examiner



"अ नो भद्रा क्रतवो यन्तु विश्वतः"

Dayanand Science College, Latur



This is to certify that dissertation entitled "Study of *Lagochillus malliata* species of *Gastropoda*" work is carried out by Mrs. Dhaygude O. S. under my guidance and submitted for the award of Master of Science in Zoology as per requirement of Dayanand Science College, Latur this has not been previously submitted for the degree of this College or any other university.

Date:-

VC Principal
Dayanand Science College
Latur

PROJECT SUPERVISER

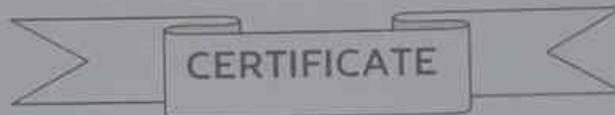
HEAD OF DEPARTMENT

EXTERNAL EXAMINER



"असतो मासद्गवतो बभूवुः विश्वतः"

Dayanand Science college, Latur



This is to certify that dissertation entitled "study of aquatic insects their role in improving biodiversity and balancing the food web of freshwater ecosystems at khamkheda dam in Latur, Maharashtra " work is carried out by Miss. Shraddha B. Pade under my guidance and submitted for the award of Master of science in zoology as per requirement of Dayanand science college, Latur this has not been previously submitted for the degree of this College or any other university.

Date:-

PROJECT SUPERVISOR

HEAD OF DEPARTMENT

EXTERNAL EXAMINER

VC Principal
Dayanand Science College
Latur

19.	Kharade Priti Prakash	M.Sc. II	Application of Graph Theory in Social Media	Yes
20.	Pande Akansha Ramesh	M.Sc. II	Brief Study of Probability	Yes
21.	Randale Shivhar Bhimashankar	M.Sc. II	Matrix Limit and Markovchain	Yes
22.	Shinde Aishwarya Shamsundar	M.Sc. II	Use of Cryptography in digital signature	Yes
23.	Biradar Anjali Shesherao	M.Sc. II	Some Study of Neural Network via Fractional Calculus	Yes
24.	Deshmukh Rutuja Bhausahab	M.Sc. II	Study Of Digital Image Processing Using Singular Value	Yes
25.	Dungarwal Shubhangi Tarachand	M.Sc. II	A Mathematical Approach for Study of Architecture	Yes
26.	Gadge Asha Anandrao	M.Sc. II	Application of Rhotrix in BIBD	Yes
27.	Gulbhile Pooja Kalyanrao	M.Sc. II	To Study Different Methods to Finding the Initial Cost of transportation problem	Yes
28.	Kharade Priti Prakash	M.Sc. II	Application Of Graph Theory in Computer Science	Yes
29.	Pande Akansha Ramesh	M.Sc. II	On Application of Fractal Geometry in Computer Graphics	Yes
30.	Randale Shivhar Bhimashankar	M.Sc. II	Some Studies on different approaches of Game Theory and Decision Making	Yes
31.	Shinde Aishwarya Shamsundar	M.Sc. II	A Study Of Coding Theory particularly in Computer Science	Yes


 HoD
 Head
 Dept. of Mathematics
 Dayanand Science College


 15.12.2025
 Principal
PRINCIPAL
 Dayanand Science College
 LATUR

Dayanand Education Society's



DAYANAND SCIENCE COLLEGE,
LATUR

Department of Mathematics

During Academic Year:-2023-2024

Roll No.:- 801

CERTIFICATE

This is certify that **Miss. Garad Pooja Jaidev** of class M.Sc. II year has satisfactory completed the **Dissertation Project Work** in the subject of Mathematics of Paper No XXIV as laid down in the regulation of Swami Ramanand Teerth Marathwada University, Nanded.

Exam Seat No.:- **DB77649**

Exam Date :- **10/04/2024**


Incharge Professor

Examiner


Head/Principal
Dept. of Mathematics
Dayanand Science College
Latur

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DAYANAND SCIENCE COLLEGE,
LATUR

Department of Mathematics

During Academic Year:-2023-2024

Roll No.:- 802

CERTIFICATE

This is certify that **Mr. Jagadale Adarsh Chandrakant** of class **M.Sc. II year** has satisfactory completed the **Dissertation Project Work** in the subject of Mathematics of Paper No XXIV as laid down in the regulation of Swami Ramanand Teerth Marathwada University, Nanded.

Exam Seat No.:- DB77650

Exam Date :- 10/04/2024

*Examining
Prof.
10/4/2024*


Incharge Professor


Dr. S.S. Handiboy

Examiner


Head/Principal
Dept. of Mathematics,
Dayanand Science College
Latur

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DAYANAND SCIENCE COLLEGE,
LATUR

Department of Mathematics

During Academic Year:-2023-2024

Roll No.:- 803

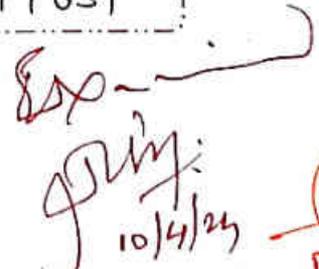
CERTIFICATE

This is certify that **Mr.Kadam Pradip Popat** of class **M.Sc. II year** has satisfactory completed the **Dissertation Project Work** in the subject of Mathematics of Paper No XXIV as laid down in the regulation of Swami Ramanand Teerth Marathwada University, Nanded.

Exam Seat No.:- DB77651

Exam Date : 10/04/2024


In charge Professor


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Head/Principal
Dept. of Mathematics,
Dayanand Science College,
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DAYANAND SCIENCE COLLEGE,
LATUR

Department of Mathematics

During Academic Year:-2023-2024

Roll No.:- 804

CERTIFICATE

This is certify that **Miss. kamble Madhavi Milind** of class **M.Sc. II year** has satisfactory completed the **Dissertation Project Work** in the subject of Mathematics of Paper No XXIV as laid down in the regulation of Swami Ramanand Teerth Marathwada University, Nanded.

Exam Seat No.:- BB77652

Exam Date :- 10-4-24

Examined
J. J. J.
10/04/2024
R. B. B.
10-04-2024

Incharge Professor

Examiner

Head/Principal
Dayanand Science College
Latur-413512

Dayanand Education Society's



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LATUR**

Department of Mathematics

During Academic Year:-2023-2024

Roll No.:- 805

CERTIFICATE

This is certify that **Miss. Kulkarni Yogeshwari Shamrao** of class **M.Sc. II year** has satisfactory completed the **Detailed Study Of Continued Fraction** in the subject of Mathematics of Paper No XXIV as laid down in the regulation of Swami Ramanand Teerth Marathwada University, Nanded.

Exam Seat No.:- DB77653

Exam Date :- 10/04/2024

Examiner

[Signature]
10/04/2024

[Signature]
10-04-2024

[Signature]
Incharge Professor

Examiner

[Signature]
Head Principal
Dept. of Mathematics
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Roll No.:- 806

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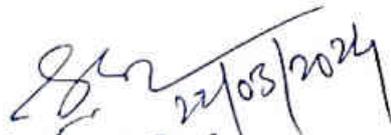
This is certify that **Miss. Munde Suvarnmala Vikas** of class **M.Sc. II year** has satisfactory completed the **Dissertation Project Work** in the subject of Mathematics of Paper No XXIV as laid down in the regulation of Swami Ramanand Teerth Marathwada University, Nanded.

Exam Seat No.:- DB 17654

Exam Date 10/04/2024

Examined

Prin:
10/4/2024


22/03/2024
Incharge Professor


10-04-2024
Examiner **Dr. S.S. Handibag**

Head/Principal
Dept. of Mathematics,
Dayanand Science College
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DAYANAND SCIENCE COLLEGE,
LATUR

Department of Mathematics

During Academic Year:-2023-2024

Roll No.:- 807

CERTIFICATE

This is certify that **Miss. Pimpare Yogita Subhash** of class **M.Sc. II year** has satisfactory completed the **Dissertation Project Work** in the subject of Mathematics of Paper No XXIV as laid down in the regulation of Swami Ramanand Teerth Marathwada University, Nanded.

Exam Seat No.:- DB77656

Exam Date :-10 /04/2024

Examiner
J.P.M.
10/4/2024


Incharge Professor

Examiner


Head Principal
Dept. of Mathematics,
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LATUR

Department of Mathematics

During Academic Year:-2023-2024

Roll No.:- 808

CERTIFICATE

This is certify that **Miss. Rabashette Manisha Naganath** of class **M.Sc. II year** has satisfactory completed the **Dissertation Project Work** in the subject of Mathematics of Paper No XXIV as laid down in the regulation of Swami Ramanand Teerth Marathwada University, Nanded.

Exam Seat No.:- DB77657

Exam Date :- 10-4-24

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Date:
10/4/2024


Incharge Professor

Examiner


10-04-2024
Dr. S. S. Handibag


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Department of Mathematics

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CERTIFICATE

This is certify that **Miss. Shikhare Pooja Narayan** of class **M.Sc. II year** has satisfactory completed the **Dissertation Project Work** in the subject of Mathematics of Paper No XXIV as laid down in the regulation of Swami Ramanand Teerth Marathwada University, Nanded.

Exam Seat No.:- DB 77658

Exam Date :- 10/4/2024

Examined

[Handwritten Signature]
10/4/2024

[Handwritten Signature]
10/4/2024
Incharge Professor

[Handwritten Signature]
10-04-2024
Dr. S.S. Haradibag
Examiner

[Handwritten Signature]
Head/Principal
Dept. of Mathematics,
Dayanand Science College
Latur

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**DAYANAND SCIENCE COLLEGE,
LATUR**

Department of Mathematics

During Academic Year:-2023-2024

Roll No.:- 810

CERTIFICATE

This is certify that **Miss. YERBALE DIVYA DATTATRAY** of class **M.Sc. II year** hassatisfactory completed the **Dissertation Project Work** in the subject of Mathematics of Paper No XXIV as laid down in the regulation of Swami Ramanand Teerth Marathwada University, Nanded.

Exam Seat No.:- 0877659

Exam Date :- 10th April 2024

Examined

10/4/2024

10-04-2024


Incharge Professor

Examiner


Head
Dept. of Mathematics,
Dayanand Science College
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During Academic Year:-2023-2024

Roll No.:- 811

CERTIFICATE

This is certify that **Miss.Patil Pratiksha Manoj** of class **M.Sc. II year** has satisfactory completed the **Dissertation Project Work** in the subject of Mathematics of Paper No XXIV as laid down in the regulation of Swami Ramanand Teerth Marathwada University, Nanded.

Exam Seat No.:- DB77 655

Exam Date :- 10/04/2024

Examined

Pratiksha
10/4/24

Dr. S.S. Handibac
10-04-2024

Dr. S.S. Handibac

[Signature]

Pratiksha
01/04/24
Incharge Professor

Examiner

Head/Principal
Dept. of Mathematics
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Department of Mathematics

During Academic Year:-2024-2025

Roll No.:- 801

CERTIFICATE

This is certify that **Miss. Anjali Shesherao Biradar** of class **M.Sc. II year** has satisfactory completed the **Research Project Work** in the subject of Mathematics of Paper No SMATR522 as laid down in the regulation of Swami Ramanand Teerth Marathwada University, Nanded.

Exam Seat No.:-

Exam Date : 25/11/24


Incharge Professor
SWAMI S.V.


Exam Date 26/11/24
Mr. Sadashiv


Head
Dept. of Mathematics,
Dayanand Science College
Latur

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LATUR**

Department of Mathematics

During Academic Year:-2024-2025

Roll No.:- 802

CERTIFICATE

This is certify that **Miss.Deshmukh Rutuja Bhausaheb** of class **M.Sc. II year** has satisfactory completed the **Research Project Work** in the subject of Mathematics of Paper No **SMATR522** as laid down in the regulation of Swami Ramanand Teerth Marathwada University, Nanded.

Exam Seat No.:-

Exam Date :- ---/---/---


Incharge Professor
Swami S.V.


Examiner
Mr Sadashiv


Head/Principal
Dept. of Mathematics,
Dayanand Science College
Latur

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**DAYANAND SCIENCE COLLEGE,
LATUR**

Department of Mathematics

During Academic Year: -2024-25

Roll No.:- 803

CERTIFICATE

This is certify that **Miss. Dungarwal Shubhaangi Tarachand**
of class **M.Sc. II year** has satisfactorily completed the **Research Project Work** in the subject
of Mathematics of Paper No SMATR522 as laid down in the regulation of Swami Ramanand
Teerth Marathwada University, Nanded.

Exam Seat No.: -

Exam Date :- ---/---/---


Incharge Professor
S.V. Swami


Exam Date
20/11/24
Mr. Sandeashir


Head/Principal
Dept. of Mathematics,
Dayanand Science College
Latur

Dayanand Education Society's



**DAYANAND SCIENCE COLLEGE,
LATUR**

Department of Mathematics

During Academic Year:-2024-2025

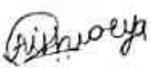
Roll No.:- 804

CERTIFICATE

This is certify that **Miss. Ekurke Manvi Balaji** of class **M.Sc. II year** has satisfactory completed the **Research Project Work** in the subject of Mathematics of Paper No SMATR522 as laid down in the regulation of Swami Ramanand Teerth Marathwada University, Nanded.

Exam Seat No.:-

Exam Date :- ---/---/---


Incharge Professor
A. R. Andhaze


Examiner
Mr. Sadashiv


Head/Principal
Dept. of Mathematics :
Dayanand Science College
Latur

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LATUR**

Department of Mathematics

During Academic Year:-2024-2025

Roll No.:- 805

CERTIFICATE

This is certify that **Miss. Asha Anandrao Gadge** of class **M.Sc. II year** has satisfactory completed the **Research Project Work** in the subject of Mathematics of Paper No SMATR522 as laid down in the regulation of Swami Ramanand Teerth Marathwada University, Nanded.

Exam Seat No.:-

Exam Date :- ---/---/---


Incharge Professor
A. R. Andhaze


Exam Date
28/1/24
an Sandanand


Head/Principal
Dept. of Mathematics,
Dayanand Science College
Latur

Dayanand Education Society's



**DAYANAND SCIENCE COLLEGE,
LATUR**

Department of Mathematics

During Academic Year:-2024-2025

Roll No.:- 807

CERTIFICATE

This is certify that **Miss. Gulbhile Pooja Kalyanrao** of clas **M.Sc. II year** has satisfactory completed the **Research Project Work** in the subject of Mathematics of Paper No **SMATR522** as laid down in the regulation of Swami Ramanand Teerth Marathwada University, Nanded.

Exam Seat No.:-

Exam Date :- ---/---/---


P. V. Patil
Incharge Professor


Examiner
Mr. Sadan Shivrao


Head/Principal
Head
Dept. of Mathematics ,
Dayanand Science College
Latur

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**DAYANAND SCIENCE COLLEGE,
LATUR**

Department of Mathematics

During Academic Year:-2024-2025

Roll No.:- 809

CERTIFICATE

This is certify that **Miss. Kharade Priti Prakash** of class **M.Sc. II year** has satisfactory completed the **Research Project Work** in the subject of Mathematics of Paper No SMATR522 as laid down in the regulation of Swami Ramanand Teerth Marathwada University, Nanded.

Exam Seat No.:-

Exam Date :- ---/---/---

Incharge Professor

P. v. patil

Examiner

Mr Sankarshankar

Head/Principal

Dept. of Mathematics,
Dayanand Science College
Latur

Dayanand Education Society's



**DAYANAND SCIENCE COLLEGE,
LATUR**

Department of Mathematics

During Academic Year:-2024-2025

Roll No. :- 811

CERTIFICATE

This is certify that **Mr. SHIVHAR BHIMASHANKAR RANDELE** of class **M.Sc. II year** has satisfactory completed the **Research Project Work** in the subject of Mathematics of Paper No SMATR522 as laid down in the regulation of Swami Ramanand Teerth Marathwada University, Nanded.

Exam Seat No.:-

Exam Date :- ---/---/---


P.V. patil
Incharge Professor


Examiner
26/11/24
Mr Sachin


Head/Principal
Dept. of Mathematics ,
Dayanand Science College
Latur

Dayanand Education Society's



**DAYANAND SCIENCE COLLEGE,
LATUR**

Department of Mathematics

During Academic Year:-2024-2025

Roll No.:- 812

CERTIFICATE

This is certify that **Miss.Shinde Aishwarya Shyamsundar** of class **M.Sc. II year** has satisfactory completed the **Research Project Work** in the subject of Mathematics of Paper No **SMATR522** as laid down in the regulation of Swami Ramanand Teerth Marathwada University, Nanded.

Exam Seat No.:-

Exam Date :- --/--/--


Incharge Professor
Sudhakar S.V.


Examiner
Mr. Sadanand


Head Principal
Dept. of Mathematics,
Dayanand Science College
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