



(Funded by the MoE, Govt. of India)

This certificate is awarded to

HARSHINI R

for successfully completing the course

Organic Farming for Sustainable Agricultural Production

with a consolidated score of

Online Assignments 21.25/25 Proctored Exam

Total number of candidates certified in this course: 1057

Jul-Sep 2023

(8 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL IIT Kharagpur



Indian Institute of Technology Kharagpur



FREE ONLINE EDUCATION





(Funded by the MoE, Govt. of India)

This certificate is awarded to

LAVANYA S

for successfully completing the course

Organic Farming for Sustainable Agricultural Production

with a consolidated score of

Online Assignments | 20.83/25 | Proctored Exam

Total number of candidates certified in this course: 1057

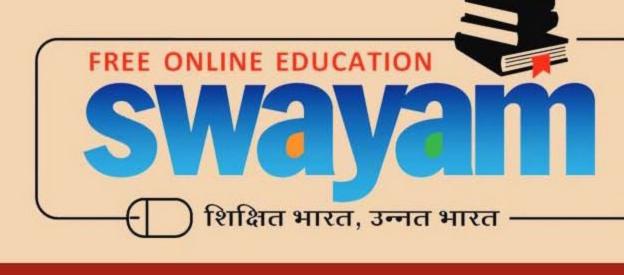
Jul-Sep 2023

(8 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL IIT Kharagpur











(Funded by the MoE, Govt. of India)

This certificate is awarded to

NANDHINI M

for successfully completing the course

Organic Farming for Sustainable Agricultural Production

with a consolidated score of

Online Assignments 21.25/25 Proctored Exam

Total number of candidates certified in this course: 1057

Jul-Sep 2023

(8 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL IIT Kharagpur











(Funded by the MoE, Govt. of India)

This certificate is awarded to

NISHA SATHIVIKA R

for successfully completing the course

Organic Farming for Sustainable Agricultural Production

with a consolidated score of

Online Assignments 21.25/25 Proctored Exam

Total number of candidates certified in this course: 1057

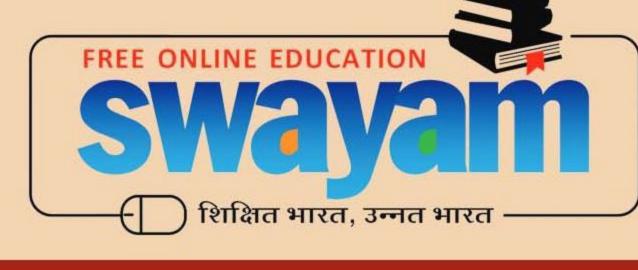
Jul-Sep 2023

(8 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL IIT Kharagpur









Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

PREETHI V

for successfully completing the course

Organic Farming for Sustainable Agricultural Production

with a consolidated score of

Online Assignments | 20.42/25 | Proctored Exam

Total number of candidates certified in this course: 1057

Jul-Sep 2023

(8 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL IIT Kharagpur











(Funded by the MoE, Govt. of India)

This certificate is awarded to

RUBASRI E

for successfully completing the course

Organic Farming for Sustainable Agricultural Production

with a consolidated score of

Online Assignments 21.67/25 Proctored Exam

Total number of candidates certified in this course: 1057

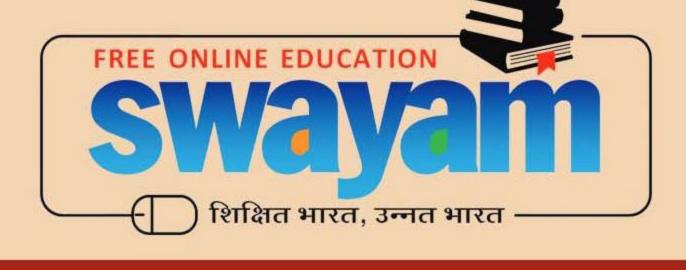
Jul-Sep 2023

(8 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL IIT Kharagpur











(Funded by the MoE, Govt. of India)

This certificate is awarded to SOWMIYA DEVI P

for successfully completing the course

Cell Biology: Cellular Organization, Division and Processes

with a consolidated score of

52

%

Online Assignments 21.67/25

Proctored Exam

30/75

Total number of candidates certified in this course: 1557

Prof. G. L. Sivakumar Babu

Chairman, Center for Continuing Education IISc Bangalore

Roll No: NPTEL24BT18S455000586

Jan-Mar 2024

(8 week course)





Indian Institute of Science Bangalore



No. of credits recommended: 2 or 3







(Funded by the MoE, Govt. of India)

This certificate is awarded to

DHANUSH B

for successfully completing the course

Organic Farming for Sustainable Agricultural Production

with a consolidated score of

Online Assignments | 18.75/25 | Proctored Exam

Total number of candidates certified in this course: 1057

Jul-Sep 2023

(8 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL IIT Kharagpur









Elite

NPTEL Online Certification



(Funded by the MoE, Govt. of India)

This certificate is awarded to

ELAVARASAN P

for successfully completing the course

Organic Farming for Sustainable Agricultural Production

with a consolidated score of

Online Assignments | 22.5/25

Proctored Exam

Total number of candidates certified in this course: 1057

Jul-Sep 2023

(8 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL IIT Kharagpur











(Funded by the MoE, Govt. of India)

This certificate is awarded to

SRIDHARAN M

for successfully completing the course

Organic Farming for Sustainable Agricultural Production

with a consolidated score of

Online Assignments | 22.08/25 | Proctored Exam

Total number of candidates certified in this course: 1057

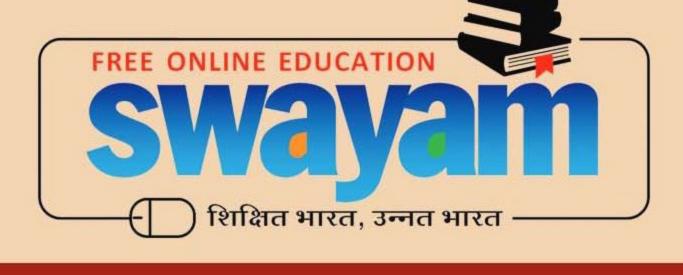
Jul-Sep 2023

(8 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL IIT Kharagpur











(Funded by the MoE, Govt. of India)

This certificate is awarded to

VIGNESH S

for successfully completing the course

Organic Farming for Sustainable Agricultural Production

with a consolidated score of

Online Assignments 21.25/25 Proctored Exam

Total number of candidates certified in this course: 1057

Jul-Sep 2023

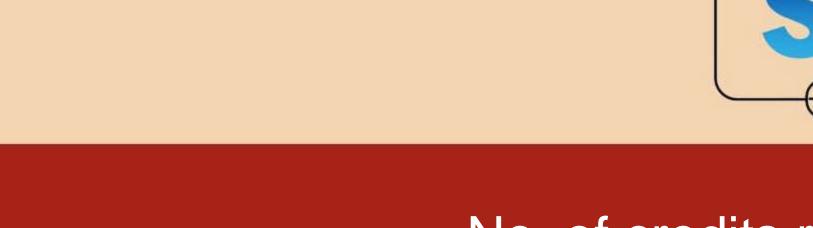
(8 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL IIT Kharagpur



Indian Institute of Technology Kharagpur





FREE ONLINE EDUCATION

An internship training report submitted in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE IN BIOCHEMISTRY

Submitted by

DEEPA B

Reg. No.: 21MUBC1002

At

SREE JAYAM ORTHO & MULTI SPECIALITY HOSPITAL, Salem

(Duration: 29.05.2023 to 13.06.2023)



MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

(Autonomous)

Learn. Lead

DEPARTMENT OF BIOCHEMISTRY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

(Autonomous)

(ACCREDITED WITH 'A' GRADE BY NAAC; UGC RECOGNIZED 2 (F) & 12 (B) STATUS)

(Affiliated to PERIYAR UNIVERSITY, SALEM)

RASIPURAM, NAMAKKAL Dt- 637408, TAMILNADU, INDIA.

OCTOBER 2023



MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

(Autonomous)

(ACCREDITED WITH 'A' GRADE BY NAAC; UGC RECOGNIZED 2(F) & 12 (B)STATUS)

(Affiliated to PERIYAR UNIVERSITY, SALEM)

RASIPURAM, NAMAKKAL Dt- 637 408, TAMILNADU,
INDIA.

DEPARTMENT OF BIOCHEMISTRY

Certificate

This is to certify that the Internship Report submitted by DEEPA B.

(Reg. No.: 21MUBC1002) is work done by her during the academic year 2023–2024 in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE IN BIOCHEMISTRY to Muthayammal College of Arts and Science (Autonomous), at SREE JAYAM ORTHO & MULTI SPECIALITY HOSPITAL, MALLUR.

Internship Coordinator (College)

Head of the Department
Head, Department of Biochemistry,
Muthayammal College of Arts and Sciencs
Rasipuram - 637 408, Namakkal Dist.



INTERNSHIP CERTIFICATE

This is to certify that Miss.Deepa.B (Roll No:21 MUBC 1002) B.sc., Biochemistry. 3rd Year. Muthayammal College of Arts & Science, Rasipuram(Tk), Namakkal (Dt). She has Undergone 15 days (29.05.2023 to 13.06.2023) Internship Training in our hospital, she has completed her training successfully.

Date:14 .06.2023

Place: Mallur

Dr.N. Kiruba karan M.S. Ortho (Rus)., D.Ortho.,

Managing Director

An internship training report submitted in partial fulfillment of the requirements for the award of degree of

BACHELOR OF SCIENCE IN BIOCHEMISTRY

Submitted by

SWETHAR

Reg. No.: 21MUBC1007

At .

SREE JAYAM ORTHO & MULTI SPECIALITY HOSPITAL, Salem

(Duration: 29.05.2023 to 13.06.2023)



MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

(Autonomous)

Learn Lead

DEPARTMENT OF BIOCHEMISTRY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

(Autonomous)

(ACCREDITED WITH 'A' GRADE BY NAAC; UGC RECOGNIZED 2 (F) & 12 (B) STATUS)

(Affiliated to PERIYAR UNIVERSITY, SALEM)

RASIPURAM, NAMAKKAL Dt- 637408, TAMILNADU, INDIA.
OCTOBER 2023



MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (Autonomous)

(ACCREDITED WITH 'A' GRADE BY NAAC; UGC RECOGNIZED 2(F) & 12 (B)STATUS)

(Affiliated to PERIYAR UNIVERSITY, SALEM)

RASIPURAM, NAMAKKAL Dt- 637 408, TAMILNADU, INDIA.

DEPARTMENT OF BIOCHEMISTRY

Certificate

This is to certify that the Internship Report submitted by SWETHAR.

(Reg. No.: 21MUBC1007) is work done by her during the academic year 2023–2024 in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE IN BIOCHEMISTRY to Muthayammal College of Arts and Science (Autonomous), at SREE JAYAM ORTHO & MULTI SPECIALITY HOSPITAL, MALLUR.

Internship Coordinator (College)

Head of the Department

Head, Department of Biochemistry,
Muthayammal College of Ass. and Science.
Residurem - 527 (10), Santa Soil College.

M. Da. Internal.

External.



INTERNSHIP CERTIFICATE

This is to certify that Miss.Swetha.R (Roll No:21MUBC1007) B.sc., Biochemistry, 3rdYear, Muthayammal College of Arts & Science, Rasipuram(Tk), Namakkal (Dt). She has Undergone 15 days (29.05.2023 to 13.06.2023) Intership Training in our hospital, she has completed her training successfully.

Date:14 .06.2023

Place: Mallur

Dr.N. Kirubakaran M.S. Ortho (Rus)., D.Ortho.,

Managing Director

DR.N.KIRUBAKARAN M.E. Germa Spill, B. GRTHOL, Consulant Experies II I also System

ரு நிலையுர் வகுற்றும் பகுதியை மழுழ்திலாறனை

DR. கிருபா மருத்துவமனை சாவை. தேசிய நெடுஞ்சாவை – 44, மம்லூர், சேலம். 0427-2422411, 2423411, 89254 05700 DR. KIRUBA HOSPITAL ROAD, NATIONAL HIGHWAY • 44,
MALLUR, SALEM • 636 203.
WCD : www.sreejayamhospital.com

C-MAIL: sreejayamhospital@gmail.com

An internship training report submitted in partial fulfillment of the requirements for the award of degree of

BACHELOR OF SCIENCE IN BIOCHEMISTRY

Submitted by YANMOZHI S

Reg. No.: 21MUBC1010

At.

SAAI HI-TECH DIAGNOSTIC CENTRE, Namakkal (Duration: 25-05.2023 To 15-06-2023)



DEPARTMENT OF BIOCHEMISTRY MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

(Autonomous)

(ACCREDITED WITH 'A' GRADE BY NAAC;
UGC RECOGNIZED 2(F) & 12 (B) STATUS)

(Affiliated to PERIYAR UNIVERSITY, SALEM) RASIPURAM,
NAMAKKAL Dt- 637 408, TAMILNADU, INDIA.

OCTOBER 2023



MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

(Autonomous)

(ACCREDITED WITH 'A' GRADE BY NAAC; UGC RECOGNIZED 2(F) & 12 (B) STATUS)

(Affiliated to PERIYAR UNIVERSITY, SALEM)

RASIPURAM, NAMAKKAL Dt- 637 408, TAMILNADU, INDIA.

DEPARTMENT OF BIOCHEMISTRY

Certificate

This is to certify that the Internship Report submitted by YANMOZHI S. (Reg. No.: 21MUBC1010) is work done by her during the academic year 2023-2024 in partial fulfillment of the requirements for the award of degree of BACHLOR OF SCIENCE IN BIOCHEMISTRY to Muthayammal College of Arts and Science(Autonomous), at SAAI HITECH DIAGNOSTIC CENTRE, Namakkal.

Internship Coordinator (College)

External

Head of the Department



SAAI HI-TECH DIAGNOSTIC CENTER

Cell: 97912 61315

81222 18183

6/327, Maruthi Nagar, Trichy Road, NAMAKKAL - 1. Tamil Nadu.

e-mail: saaihitech1980@gmail.com

Services Laboratory

DATE: 15.06.2023

INTERNSHIP CERTIFICATE

This is to certify that Miss.S. YANMOZHI D/O. SUBRAMANI (Reg.No: 21MUBC1010) B.Sc Biochemistry (IIIrd year) Muthayammal College Of Arts & Science, Rasipuram -Tk, Namakkal - 637408. She has undergone 20 days (25.05.2023 to 15.06.2023) Internship training in our laboratory. She has completed her training successfully.

> AUTHORIZED SIGNATURE SAAI HI-TECH Diagnostic Center. Trichy Road, Namakkal 伊哉。9791281315, 81222 1819

An internship training report submitted in partial fulfillment.

of the requirements for the award of degree of

BACHELOR OF SCIENCE IN BIOCHEMISTRY

Submitted by

BALAJI T

Reg. No.: 21MUBC1011

At

VIMS HOSPITAL, SALEM

(Duration: 29.05.2023 To 12.06.2023)



MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

(Autonomous)

Learn

DEPARTMENT OF BIOCHEMISTRY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

(Autonomous)

(ACCREDITED WITH 'A' GRADE BY NAAC.

UGC RECOGNIZED 2 (F) & 12 (B) STATUS)

(Affiliated to PERIYAR UNIVERSITY, SALEM)

RASIPURAM, NAMAKKAL Dt- 637408, TAMILNADU, INDIA.

OCTOBER 2023



MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

(Autonomous)

(ACCREDITED WITH 'A' GRADE BY NAAC; UGC RECOGNIZED 2(F) &12(B) STATUS)

(Affiliated to PERIYAR UNIVERSITY, SALEM)

RASIPURAM, NAMAKKAL Dt – 637408, TAMILNADU, INDIA.

DEPARTMENT OF BIOCHEMISTRY

Certificate

This is to certify that the Internship Report submitted by BALAJI T. (Reg. No.: 21MUBC1011) is work done by his during the academic year 2023-2034 in partial fulfillment of the requirements for the award of degree of BACHCELOR OF SCIENCE IN BIOCHEMISTRY to Muthayammal College of Arts and Science (Autonomous), at VIMS HOSPITAL, SALEM.

Internship Coordinator (College)

Head of the Department

Head, Department of Biochemistry, Muthayammal College of Arts and Science Rasipuram - 637 408, Namakkal Dist

Zion

EXTERNAL

INTERNAL







Date: 12-06-2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Balaji T (Reg No. 21MUBC1011) Final year student of BlochemIstry from Muthathayammal College of Arts & Science College, Rasipuram, has done his Basic Laboratory training in our hospital from 29-05-2023 to 12-06-2023.

During this tenure, his conduct was good. We wish him all success in his future endeavors.

For VIMS Hospitals.

Kalarani G Head HR



இதாயகா மிஷன் குப்பர் ஸ்பெசாவிட்டி மருத்துவமனை VINAYAKA MISSION SUPER SPECIALITY HOSPITALS [: 8627 - 3509000 / 2200000 / 1800 890 9000 | enquiry@virnshospitals.com, info@vinayakahospitals.com | www.virnshospitals.com, info@vinayakahospitals.com | www.virnshospitals.com | www.virnshospitals.c

An internship training report submitted in partial fulfillment of the requirements for the award of degree of

BACHELOR OF SCIENCE IN BIOCHEMISTRY

Submitted by

HARIHARAN S.

Reg. No.: 21MUBC1012

At

LIFE LINE LABORATORY, NAMAKKAL.

(Duration: 29-05-2023 To 13-06-2023)



DEPARTMENT OF BIOCHEMISTRY MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

(Autonomous)

(ACCREDITED WITH 'A' GRADE BY NAAC; UGC RECOGNIZED 2(F) & 12 (B) STATUS)

(Affiliated to PERIYAR UNIVERSITY, SALEM)

RASIPURAM, NAMAKKAL Dt- 637 408,

TAMILNADU, INDIA.

OCTOBER-2023



MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (Autonomous)

(ACCREDITED WITH 'A' GRADE BY NAAC; UGC RECOGNIZED 2(F) & 12 (B) STATUS)

(Affiliated to PERIYAR UNIVERSITY, SALEM)
RASIPURAM, NAMAKKAL Dt- 637 408, TAMILNADU, INDIA.

DEPARTMENT OF BIOCHEMISTRY

Certificate

This is to certify that the Internship Report submitted by HARIHARAN S. (Reg. No.: 21MUBC1012) is work done by her during the academic year 2023–2024 in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE IN BIOCHEMISTRY to Muthayammal College of Arts and Science (Autonomous), at LIFE LINE LABORATORY, NAMAKKAL.

Internship Coordinator (College)

Head of the Departmet
Head, Department of Biochemistry,
Muthayammal College of Arts and Science
Rasiouram - 637 408, Namakkal Dist.

Xtorna,

Internal







Nis 5 F Godis Road, Namakkal, Call: 04208, 3500dd / 57574 9997d E-mail: 18800anni(000pmail:com

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr.S.HARIHARAN is studying Third year B.SC BIOCHEMISTRY

(A) Set student of Muthayammal arts & science college for had successfully

completed he interruble on

"MEDICAL LABORATORY TECHNIQUES "

He had visited our lab from 28.05.2023 to 13.06.2023.

During the training period, he initiative and behavior was found to be

Good.

We wish he the best in all for he future endeavors and career.

UFELINE LABORATORY No. 8 Thuchengode Road, Namazhai

Verified by

HABL MIELIT 66471

4.6019

Lab Incharge

An ISO and NABL Certified Laboratory

This lab is covered with ACBI / CMC (Vellore) | Eternal Quality Assessment Scheme (EQAS) Internal Quality Assessment (IQC) | EQAS Lab Permanent Membership No : 16067 / 2022

An internship training report submitted in partial fulfillment.

of the requirements for the award of degree of

BACHELOR OF SCIENCE IN BIOCHEMISTRY

Submitted by

VIKRAM S

Reg. No.: 21MUBC1013

At

VIMS HOSPITAL, SALEM

(Duration: 29.05.2023 To 12.06.2023)



MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

(Autonomous)

Learn. Lead

DEPARTMENT OF BIOCHEMISTRY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

(Autonomous)

(ACCREDITED WITH 'A' GRADE BY NAAC.

UGC RECOGNIZED 2 (F) & 12 (B) STATUS)

(Affiliated to PERIYAR UNIVERSITY, SALEM)

RASIPURAM, NAMAKKAL Dt- 637408, TAMILNADU, INDIA.

OCTOBER 2023



MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

(Autonomous)

(ACCREDITED WITH 'A' GRADE BY NAAC; UGC RECOGNIZED 2(F) &12(B) STATUS)

(Affiliated to PERIYAR UNIVERSITY, SALEM)

RASIPURAM, NAMAKKAL Dt – 637408, TAMILNADU, INDIA.

DEPARTMENT OF BIOCHEMISTRY

Aertificate

This is to certify that the Internship Report submitted by VIKRAM S (Reg. No.: 21MUBC1013) is work done by his during the academic year 2023-2034 in partial fulfillment of the requirements for the award of degree of BACHCELOR OF SCIENCE IN BIOCHEMISTRY to Muthayammal College of Arts and Science (Autonomous), at VIMS HOSPITAL, SALEM.

Internship Coordinator (College)

Head of the Department
Head, Department of Biochemistry. Migthavammal College of Arts and Sciege

Ragiouram - 637 408, Namakkal Dist







Date: 12-06-2023

TO WHOMSOEVER IT MAY CONCERN

This is to cortify that Mr. Vikram S (Reg No. 21MUBC1013) Final year student of Biochemistry from Muthathayammal College of Arts & Science College; Rasipuram, has done his Basic Laboratory Iraining in our hospital from 29-05-2023 to 12-06-2023.

During this tenure, his conduct was good. We wish him all success in his future endeavors.

For VIMS Hospitals,

Kalarani G Head HR



விநாயகா மிஷன் ஆப்பர் ஸ்வபசாலிடமு மருத்துவமனை VINAYAKA MISSION SUPER SPECIALITY HOSPITALS (0427 - 3509000 / 2200000 / 1800 890 9000 | enquiry@vimshospitals.com, info@vinayakahospital.com | www.vimshospitals.com NH-47, Sankari Main Road, Salem - 636 308, Tamilinadu, INDIA

An internship training report submitted in partial fulfillment of the requirements for the award of degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

LAVANYA.S

Reg. No: 22MPBC1002

At

DOCTORS LABORATORY, DHARMAPURI.

(Duration: 29-05-2023To14-06-2023)



DEPARTMENT OF BIOCHEMISTRY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

(Autonomous)

(ACCREDITED WITH 'A' GRADE BY NAAC; UGC RECOGNIZED 2(F) & 12(B) STATUS) (Affiliated to PERIYAR UNIVERSITY, SALEM)

RASIPURAM, NAMAKKAL Dt – 637 408, TAMILNADU, INDIA.

OCTOBER 2023



MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (Autonomous)

(ACCREDITED WITH 'A' GRADE BY NAAC; UGC RECOGNIZED 2(F) & 12 (B) STATUS)

(Affiliated to PERIYAR UNIVERSITY, SALEM)

RASIPURAM, NAMAKKAL Dt-637408, TAMILNADU, INDIA

DEPARTMENT OF BIOCHEMISTRY

Certificate

This is to certify that the Internship Report submitted by LAVANYA S. (Reg. No.: 22MPBC1002) is work done by her during the academic year 2023–2024 in partial fulfillment of the requirements for the award of degree of MASTER OF SCIENCE IN BIOCHEMISTRY to Muthayammal College of Arts and Science (Autonomous), at DOCTORS LABORATORY, DHARMAPURI.

Internship Coordinator (College)

Head of the Department

Extornal



14-Q2, Nethaji By-pass Road, Opp. to Govt. Hospital, Dharmapuri - 636 701. Phone: 04342 - 296415

Mob :6381225B48 Web :www.doctorslaboratory.in



Date: 17/6/23

CERTIFICATE OF COMPLETION

This is to certify that Miss. S. Lavanya (Reg No: 22PBC005) a student of 11 - M.Sc-Biochemistry department, Muthayammal College of Arts and science, Rasipuram has successfully completed 15 days (From 29/05/2023 to 14/06/2023) Internship programme under my guidance.

During the training period I have found him to be a self-starter who is motivated, hard working and regular attendance. She was very much interested to learn the methodology and she was punctual at time to report before me day to day in our Lahoratory. She worked sincerely on her assignment and her performance was excellence.

I wish him best of luck for her future.

Dr. S.Perlyasamy M.Sc, Ph.D.,

Consultant Biochemist
DOCTORS LABORATORY
44-Q2, Nethaji By-pass Road,
Dharrappuri-636 701

An internship training report submitted in partial fulfilment of the requirements for the award of degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

NISHASATHIVIKA .R

Reg No: 22MPBC1004

At

DOCTORS LABORATORY, Dharmapuri.

(Duration: 29-05-2023 To 13-06-2023)



DEPARTMENT OF BIOCHEMISTRY

MUTHAYAMMALCOLLEGE OF ARTS AND SCIENCE

(Autonomous)

(ACCREDITED WITH 'A' GRADE BY NAAC; UGC RECOGNIZED 2(F) & 12(B) STATUS)

(Affiliated to PERIYAR UNIVERSITY, SALEM)

RASIPURAM, NAMAKKAL Dt - 637 408, TAMILNADU, INDIA.

October 2023



MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (Autonomous)

(ACCREDITED WITH 'A' GRADE BY NAAC; UGC RECOGNIZED 2(F) 12(B) STATUS)

(Affiliated to PERIYAR UNIVERSITY, SALEM)

RASIPURAM, NAMAKKAL .Dt - 637 408, TAMILNADU, INDIA.

DEPARTMENT OF BIOCHEMISTRY

CERTIFICATE

This is to certify that Internship Report submitted by NISHA SATHIVIKA .R (Reg No: 22MPBC1004) is work done by him during the academic year 2023-2024 in partial fulfilment of the requirements for the award of degree of MASTER OF SCIENCE IN BIOCHEMISTRY to Muthayammal College of Arts and Science (Autonomous), at DOCTORS LABORATORIES.

Internship Coordinator (College)

Head of the Department

INTERNAL



14-Q2, Nethaji By-pass Road, Opp. to Govt. Hospital, Dharmapuri - 636 701. Phone: 04342 - 296415 Mob: :6381225848

Web :www.doctorslaboratory.in



Date: 17/6/23

CERTIFICATE OF COMPLETION

This is to certify that Miss. R. Nishasathivika (Reg No: 22 PBC006) a student of II - M.Sc-Biochemistry department ,Muthayammal college of arts and science, Rasipuram has successfully completed 15 days (From 29/05/2023 to 14/06/2023) internship programme under my guidance.

During the training period I have found him to be a self-starter who is motivated, hard working and regular attendance. She was very much interested to learn the methodology and she was punctual at time to report before me day to day in our Laboratory. She worked sincerely on her assignment and her performance was excellence.

I wish him best of luck for her future.

Dr. S.Periyasamy M.Sc, Ph.D.,

Consultant Biochemist

DOCTORS LABORATORY 14-Q2, Nothell By-pass Road. Dharmapuri-636 701.

An internship training report submitted in partial fulfilment of the requirements for the award of degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

RUBASRI .E Reg.no: 22MPBC1006

At DOCTORS LABORATORY

(Duration: 29.05.2023 to 14.06.2023).



DEPARTMENT OF BIOCHEMISTRY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

(ACCREDITED WITH 'A'GRADE BY NAAC) UGC RECOGNIZED 2(F) & 12 (B) STATUS)

(Affiliated to PERIYAR UNIVERSITY, SALEM)

RASIPURAM, NAMAKKAL Dt-637 408, TAMILNADU, INDIA.

OCTOBER - 2023



(ACCREDITED WITH 'A'GRADE BY NAAC) (UGC RECOGNIZED 2(F) & 12 (B) STATUS)

(Affiliated to PERIYAR UNIVERSITY, SALEM)

RASIPURAM, NAMAKKAL Dt-637 408, TAMILNADU, INDIA.

DEPARTMENT OF BIOCHEMISTRY

Certificate

This is certify that the internship report submitted by RUBASRI .E (Reg No: 22MPBC1006) is work done by her during the academic year 2022 – 2023 in partial fulfilled of the requirements for the award of degree of MASTER OF SCIENCE IN BIOCHEMISTRY to Muthayammal college of arts and science (Autonomous), at DOCTORS LABORATORY, DHARMAPURI.

Internship coordinator (college)

Head of the Department



14-Q2, Nethaji By-pass Road. Opp. to Govt. Hospital, Dharmapuri - 636 701. Phone: 04342 - 296415

Mob :6381225848

Web : www.doctorslaboratory.in



Date: 17/6/23

CERTIFICATE OF COMPLETION

This is to certify that Miss. E. Rubasri (Reg No: 22PBC008) a student of II - M.Sc-Biochemistry department, Muthayammal College of Arts and science, Rasipuram has successfully completed 15 days (From 29/05/2023 to 14/06/2023) internship programme under my guidance.

During the training period I have found him to be a self-starter who is motivated, hard working and regular attendance. She was very much interested to learn the methodology and she was punctual at time to report before me day to day in our Laboratory. She worked sincerely on her assignment and her performance was excellence.

I wish him best of luck for her future.

Dr. S.Periyasamy M.Sc, Ph.D

Consultant Biochemist
DOCTORS LABORATORY
14-Q2, Nethaji By-pass Road
Dharmapuri-636 701

INTERNSHIP REPORT

An internship training report submitted in partial fulfillment of the requirements for the award of degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

SOWMIYA DEVI P.

Reg. No.: 22MPBC1007

At

MICROTECH LABORATORY, ATTUR

(Duration: 29-05-2023 To 14-06-2023)



DEPARTMENT OF BIOCHEMISTRY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (Autonomous)

(ACCREDITED WITH 'A' GRADE BY NAAC; UGC RECOGNIZED 2(F) & 12 (B) STATUS) (Affiliated to PERIYAR UNIVERSITY, SALEM)

RASIPURAM, NAMAKKAL Dt- 637 408,
TAMILNADU, INDIA.
OCTOBER 2023



MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (Autonomous)

(ACCREDITED WITH 'A' GRADE BY NAAC;
UGC RECOGNIZED 2(F) & 12 (B) STATUS)
(Affiliated to PERIYAR UNIVERSITY, SALEM)
RASIPURAM, NAMAKKAL Dt- 637 408, TAMILNADU, INDIA.

DEPARTMENT OF BIOCHEMISTRY

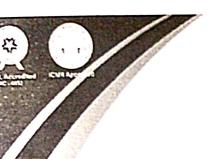
Certificate

This is to certify that the Internship Report submitted by SOWMIYA DEVI P. (Reg. No.: 22MPBC1007) is work done by her during the academic year 2023–2024 in partial fulfillment of the requirements for the award of degree of MASTER OF SCIENCE IN BIOCHEMISTRY to Muthayammal College of Arts and Science (Autonomous), at MICROTECH LABORATORY, ATTUR.

Internship Coordinator (College)

Internal

Head of the Department





DIAGNOSIS | RESEARCH | EDUCATION

196/1, Saraswathi Duraiswamy Building, Kamarajanar Road, Attur - 636 102, Salem, Tamilnadu, India

Certificate of Internship

This is to certify that Dr/Mr/Mrs/Miss

P.50WMIYADEVI, DEPARTMENT OF BIOCHEMISTRY,
MUTHAYAMMAL ARTS & SCIENCE COLLEGE has Successfully completed an Internship

Training Programme at Microtech Laboratories, Attur, Salem from 29.05.2023 to 13.06.2023.

in the filed of Microbiology, Biochemistry, Hematology, Clinical Pathology and Molecular Biology.

During the internship, he/she exhibited exceptional dedication, professionalism and a strong desire to learn.

A. Senthilkumar Managing Director Dr. Senbagam Duraisamy

INTERNSHIP REPORT

An internship training report submitted in partial fulfilment of the requirements for the award of degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

DHANUSH B

Reg No: 22MPBC1008

At

MICROTECH LABORATORIES, Attur

(Duration: 29-05-2023 To 13-06-2023)



DEPARTMENT OF BIOCHEMISTRY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

(Autonomous)

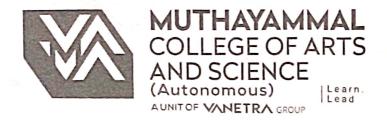
(ACCREDITED WITH 'A' GRADE BY NAAC;

UGC RECOGNIZED BY 2(F) & (12)B STATUS)

(Affiliated to PERIYAR UNIVERSITY, SALEM)

RASIPURAM, NAMAKKAL Dt- 637 408, TAMILNADU, INDIA.

OCTOBER - 2023



MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

(Autonomous)

(ACCREDITED WITH 'A' GRADE BY NAAC; UGC RECOGNIZED 2(F)&12(B) STATUS)

(Affiliated to PERIYAR UNIVERSITY, SALEM)

RASIPURAM , NAMAKKAL .Dt- 637 408, TAMILNADU, INDIA.

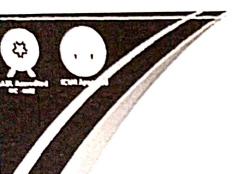
DEPARTMENT OF BIOCHEMISTRY

CERTIFICATE

This is to certify that Internship Report submitted by DHANUSH B (Reg No: 22MPBC1008) is work done by him during the academic year 2023-2024 in partial fulfilment of the requirements for the award of degree of MASTER OF SCIENCE IN BIOCHEMISTRY to Muthayammal College of Arts and Science (Autonomous), at MICROTECH LABORATORIES, Attur.

Internship Coordinator (College)

Head of the Department





DIAGNOSIS | RESEARCH) EDIJCATION

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Outldiop, hamatajsnet Road, Allui 636 102.5tlem. labedq Ann

Certificate of Internship

This is to certify that Dr/Mr/Mrs/Miss

B.DHANUSH DEPARTMENT OF BIOCHEMISTRY,
MUTHAYAMMAL ARTS & SCIENCE COLLEGE as Successfully completed an Internship

Training Programme at Microtech Laboratories, Attur, Salem from 29:05:2023 to 13:06-2023 in the filed of Microbiology, Biochemistry, Hematology, Clinical Pathology and Molecular Biology.

During the internship, he/she exhibited exceptional dedication, professionalism and a strong desire to learn.

A.: nthilkumar

Dr. Senbagam Duraisamy

INTERNSHIP REPORT

An internship training report submitted in partial fulfillment of the requirements for the award of degree of -

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

SRIDHARAN M.

Reg. No.: 22MPBC1010

At

MICROTECH LABORATORY, ATTUR

(Duration: 29-05-2023 To 14-06-2023)



DEPARTMENT OF BIOCHEMISTRY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

(Autonomous)

(ACCREDITED WITH 'A' GRADE BY NAAC; UGC RECOGNIZED 2(F) & 12 (B) STATUS)

(Affiliated to PERIYAR UNIVERSITY, SALEM)

RASIPURAM, NAMAKKAL DT - 637 408, TAMILNADU, INDIA.

October 2023

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (Autonomous)

(ACCREDITED WITH 'A' GRADE BY NAAC;
UGC RECOGNIZED 2(F) & 12 (B) STATUS)

(Affiliated to PERIYAR UNIVERSITY, SALEM)

RASIPURAM, NAMAKKAL DT- 637 408, TAMILNADU, INDIA.

DEPARTMENT OF BIOCHEMISTRY



Certificate

This is to certify that the Internship Report submitted by SRIDHARAN M. (Reg. No.: 22MPBC1010) is work done by him during the academic year 2022-2024 in partial fulfillment of the requirements for the award of degree of MASTER OF SCIENCE IN BIOCHEMISTRY to Muthayammal College of Arts and Science (Autonomous), at MICROTECH LABORATORIES, ATTUR.

Internship Coordinator (College)

Head of the Department

Internal.





196/1, Saraswathi Duraiswamy Building, Kamarajanar Road, Attur 636 102, Salem, Tamilnadu, Iridia.

Certificate of Internship

This is to certify that Dr/Mr/Mrs/Miss

M. SRIDHARAN, DEPARTMENT OF BIOCHEMISTRY,
MUTHAYAMMAL ARTS & SCIENCE COLLEGE as Successfully completed an Internship

Training Programme at Microtech Laboratories, Attur, Salem from 29:05:2023 to 13:06:2023.

in the filed of Microbiology, Biochemistry, Hematology, Clinical Pathology and Molecular Biology.

During the internship, he/she exhibited exceptional dedication, professionalism and a strong desire to learn.

A. Senthilkumar Managing Director Dr. Senbagam Duraisamy

PHYTOCHEMICAL ANALYSIS AND IN VITRO ANTIOXIDANT ACTIVITY USING METHANOL EXTRACT OF Justicia adhatoda LEAVES

Miniproject report submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of

BACHELOR OF SCIENCE IN BIOCHEMISTRY

Submitted By

DEEPA. B

(Reg. No: 21MUBC1002)



Under the Guidance of

Mr. P. TAMILMANI, M.Sc., M.Phil., (Ph.D)., (Assistant Professor and Head)

DEPARTMENT OF BIOCHEMISTRY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Affiliated to Periyar University, Salem.

Accredited by NAAC with "A" grade, Recognized by UGC under Section 2(f) & 12(B)

Rasipuram - 637 408, Namakkal District, Tamil Nadu.

APRIL-2024

Affiliated to Periyar University, Salem. Accredited by NAAC with "A" grade, Recognized by UGC under Section 2(f) & 12(B) Rasipuram-637408.Namakkal District, Tamil Nadu.

DEPARTMENT OF BIOCHEMISTRY



CERTIFICATE

This is to certify that the Mini Project entitled "PHYTOCHEMICAL ANALYSIS AND IN VITRO ANTIOXIDANT ACTIVITY USING METHANOL EXTRACT OF Justicia adhatoda LEAVES" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE IN BIOCHEMISTRY is a record of original research work done by DEEPA. B (Reg. No: 21MUBC1002) during the period of her study (2021-2024) in the Department of Biochemistry, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship / Fellowship or similar title to any candidate of any University.

Project Guide

MUTHHead of the Department NO SCIENCE (AUTONOMOUS)

RASIPURAM (Tk), NAMAKKAL (DT)-637 408.

Submitted for the project viva-voce examination held on 14.05.2024

Examiners:

Berest 2. Francis en

PHYTOCHEMICAL ANALYSIS AND IN-VITRO ANTI-DIABETIC POTENTIAL OF METHANOL EXTRACT OF CLEOME GYNANDRA LEAVES

Miniproject report submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of

BACHELOR OF SCIENCE IN BIOCHEMISTRY

Submitted By

SWETHA.R

(Reg. No: 21MUBC1007)



Under the Guidance of

Dr. M. DEVI, M.Sc., M.Phil., Ph.D., (Assistant Professor)

DEPARTMENT OF BIOCHEMISTRY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Affiliated to Periyar University, Salem.

Accredited by NAAC with "A" grade, Recognized by UGC under Section 2(f) & 12(B)

Rasipuram - 637 408, Namakkal District, Tamil Nadu.

APRIL-2024

Affiliated to Periyar University, Salem.

Accredited by NAAC with "A" grade, Recognized by UGC under Section 2(f) & 12(B) Rasipuram-637408.Namakkal District, Tamil Nadu.

DEPARTMENT OF BIOCHEMISTRY



CERTIFICATE

This is to certify that the Mini Project entitled "PHYTOCHEMICAL ANALYSIS AND IN-VITRO ANTI-DIABETIC POTENTIAL OF METHANOL EXTRACT OF CLEOME GYNANDRA LEAVES" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE IN BIOCHEMISTRY is a record of original research work done by SWETHA .R (Reg. No: 21MUBC1007) during the period of her study (2021-2024) in the Department of Biochemistry, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship / Fellowship or similar title to any candidate of any University.

Project Guide

MUTHAYAMO OF THE DEPARTMENT AND SCIENCE (AUTONOMOUS)
RASIPURAM (TE), NAMAKKAL (DT)-637 408.

Submitted for the project viva-voce examination held on 14/05/2024

Examiners:

1.

2.

frathe 14/5/24

14/05/

PHYTOCHEMICAL ANALYSIS AND IV VITRO ANTI-OXIDANT ACTIVITY AND IN VITRO SILVER NANOPARTICLE OF METHANOL EXTRACT OF ALSTONIA SCHLORIS

Miniproject submitted to Periyar University Salem, in partial fulfilment of the requirements for the award of the degree of

BACHELOR OF SCIENCE IN BIOCHEMISTRY

Submitted By

THASIN IRFANA I – 21MUBC1008

Under the guidance of

Mr. S. MAHARAJAN, M.Sc., M.Phil.,



DEPARTMENT OF BIOCHEMISTRY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

(AUTONOMOUS)

(AFFILIATED TO PERIYAR UNIVERSITY)

(ACCREDITED 'A' GRADE NY NAAC UGC RECOGNIZED 2(F) & (B) STATUS)

RASIPURAM – 637 408, NAMAKKAL DT – TAMILNADU

APRIL - 2024

Affiliated to Periyar University, Salem,
Accredited by NAAC with "A" grade, Recognized by UGC under Section
2(f) & 12(B), Rasipuram-637408, Namakkal District, Tamil Nadu

DEPARTMENT OF BIOCHEMISTRY



CERTIFICATE

This is to certify that the Project Report entitled "PHYTOCHEMICAL ANALYSIS AND IN VITRO ANTI – OXIDANT ACTIVITY AND IN VITRO SILVER NANOPARTICLE OF METHANOL EXTRACT OF ALSTONIA SCHOLARIS" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE IN BIOCHEMISTRY is a record of original research work done by THASIN IRFANA I (21MUBC1008) during the period of her/his study (2021-2024) in the Department of Biochemistry, Muthayammal College of Arts and Science, Rasipuram (Autonomous) under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship / Fellowship or similar title to any candidate of any University.

S. Naharejan Project Guide AUTHAYAMA COLENCE

AUTHAYAMA COLENCE

Head of the Departments AND SCIENCE

(AUTONOMOUS)

RASIPURAM (Tk), NAMAKKAL (DT)-637 408.

Submitted for the project viva-voce examination held on 4.05. 2024

Examiners:

1. S. Grode Wyslaw

2. Simaharejan

PHYTOCHEMICAL ANALYSIS AND IN VITRO ANTI

MICROBIAL ACTIVITY OF ETHANOL EXTRACT OF MORUS RUBRA LEAVES

Miniproject submitted to Periyar University, Salem, in partial fulfilment of the requirements for the award of the degree

BACHELOR OF SCIENCE IN BIOCHEMISTRY

Submitted by
M. VANMATHI - 21MUBC1009

Under the guidance of

M. PRIYANGAGANDHI, M.Sc., M.Phil.,



DEPARTMENT OF BIOCHEMISTRY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

(AUTONOMOU0S)

(AFFLIATED TO PERIYAR UNIVERSITY)

(ACCREDITED 'A' GRADE BY NAAC UGC RECOGNIZED 2(F) & (B) STATUS)

RASIPURAM, NAMAKKAL(Dt)- 637 408, TAMILNADU.

March-2024

Affiliated to Periyar University, Salem,

Accredited by NAAC with "A" grade, Recognized by UGC under Section 2(f) & 12(B),

Rasipuram-637408.Namakkal District,Tamilnadu

DEPARTMENT OF BIOCHEMISTRY



CERTIFICATE

This is to certify that the Project Report entitled PHYTOCHEMICAL ANLYSIS AND IN VITRO ANTI-MICROBIAL ACTIVITY OF ETHANOL EXTRACT OF MORUS RUBRA IN LEAVES" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE IN BIOCHEMISRTY is a record of original research work done by M.VANMATHI (Reg. No:21MUBC1009) during the period of her/his study (2021-2024) in the Department of Microbiology, Muthayammal College of Arts and Science, Rasipuram (Autonomous) under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship / Fellowship or similar title to any candidate of any University.

Project Guide

Head of the dabeartment

Submitted for the project viva-voce examination held on

Examiners:

1 &. Perodiciple

.2. M. Der July July

PHYTOCHEMICAL ANALYSIS AND CHARACTERIZATION OF IN VITRO ANTIOXIDANT ACTIVITY OF METHANOL EXTRACT FROM THE FUSION OF ABUTILON INDICUM LEAVES

Miniproject report submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of

BACHELOR OF SCIENCE IN BIOCHEMISTRY

Submitted By

HARIHARAN. S

(Reg. No: 21MUBC1012)



Under the Guidance of

Mr. S. MAHARAJAN, M.Sc., M.Phil., (Assistant Professor)

DEPARTMENT OF BIOCHEMISTRY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Affiliated to Periyar University, Salem.

Accredited by NAAC with "A" grade, Recognized by UGC under Section 2(f) & 12(B)

Rasipuram - 637 408, Namakkal District, Tamil Nadu.

APRIL-2024

Affiliated to Periyar University, Salem.

Accredited by NAAC with "A" grade, Recognized by UGC under Section 2(f) & 12(B) Rasipuram-637408.Namakkal District, Tamil Nadu.

DEPARTMENT OF BIOCHEMISTRY



CERTIFICATE

This is to certify that the Mini Project entitled "PHYTOCHEMICAL ANALYSIS AND CHARACTERIZATION OF IN VITRO ANTIOXIDANT ACTIVITY OF METHANOL EXTRACT FROM THE FUSION OF ABUTILON INDICUM LEAVES" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE IN BIOCHEMISTRY is a record of original research work done by HARIHARAN. S (Reg. No: 21MUBC1012) during the period of his study (2021-2024) in the Department of Biochemistry, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship / Fellowship or similar title to any candidate of any University.

S. Maharajan Project Guide MEAD OF THE DEPARTMENT DEPARTMENT CUCCHEMISTRY
MUTHAYAMA OF THE DEPARTMENT SCIENCE (AUTONOMOUS)
RASIPURAM (Tk), NAMAKKAL (DT)-637 408.

Submitted for the project viva-voce examination held on 14,05,2024

Examiners:

1. Je Purathinger 2. s. materigan

PHYTOCHEMICAL ANALYSIS AND IN VITRO ANTIOXIDANT ACTIVITY OF METHANOL EXTRACT OF Corchorus trilocularis LEAF

Miniproject report submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of

BACHELOR OF SCIENCE IN BIOCHEMISTRY

Submitted By

VIKRAM .S

(Reg. No: 21MUBC1013)



Under the Guidance of

Mr. M. NEELAKANDAN, M.Sc., (Ph.D.,)
(Assistant Professor)

DEPARTMENT OF BIOCHEMISTRY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Affiliated to Periyar University, Salem.

Accredited by NAAC with "A" grade, Recognized by UGC under Section 2(f) & 12(B)

Rasipuram - 637 408, Namakkal District, Tamil Nadu.

APRIL-2024

Affiliated to Periyar University, Salem.

Accredited by NAAC with "A" grade, Recognized by UGC under Section 2(f) & 12(B) Rasipuram-637408.Namakkal District, Tamil Nadu.

DEPARTMENT OF BIOCHEMISTRY



CERTIFICATE

This is to certify that the Mini Project entitled "PHYTOCHEMICAL ANALYSIS AND IN VITRO ANTIOXIDANT ACTIVITY OF METHANOL EXTRACT OF Corchorus trilocularis LEAF" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE IN BIOCHEMISTRY is a record of original research work done by VIKRAM .S (Reg. No: 21MUBC1013) during the period of his study (2021-2024) in the Department of Biochemistry, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship / Fellowship or similar title to any candidate of any University.

Project Guide

MEAD TOP CEPARTMENT
DEPARTMENT OF BIOCHEMISTRY
MUTHHEAD OF THE DEPARTMENT
(AUTONOMOUS)
RASIPURAM (Tk), NAMAKKAL (DT)-657 408,

Submitted for the project viva-voce examination held on 14.05.2021

Examiners:

1. Let mother in

2

7-10m/2/20

INNOVATIVE APPROACHES TO ANTI INFLAMMATORY TREATMENT: THE POTENTIAL OF FICUS RELIGIOSA IN OINTMENT FORM

Project report submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted By

HARSHINI. R

(Reg. No. 22MPBC1001)



Under the Guidance of

Dr. M. SHABANA BEGUM., M.Sc., M.Phil., Ph.D., (DEAN - Life Science)

DEPARTMENT OF BIOCHEMISTRY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Affiliated to Periyar University, Salem,

Accredited by NAAC with "A" Grade, Recognized by UGC under Section 2(f) & 12(B)

Rasipuram - 637 408, Namakkal District, Tamil Nadu.

Affiliated to Periyar University, Salem,

Accredited by NAAC with "A" grade, Recognized by UGC under Section 2(f) & 12(B), Rasipuram - 637 408. Namakkal District, Tamilnadu.

DEPARTMENT OF BIOCHEMISTRY



CERTIFICATE

This is to certify that the Project Report entitled "INNOVATION APPROACHES TO ANTI-INFLAMMATORY TREATMENT: THE POTENTIAL OF FICUS RELIGIOSA IN OINTMENT FORM" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of MASTER OF SCIENCE IN BIOCHEMISTRY is a record of original research work done by HARSHINI .R (Reg No: 22MPBC1001) during the period of her study (2022-2024) in the Department of Biochemistry, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship / Fellowship or similar title to any candidate of any University.

Project Guide

Head of the Department

Submitted for the project viva-voce examination held on 14 105 2024

Examiners:

1. Situathing

2.

EXPLORING THE POTENTIAL OF ANISOMELES MALABARICA: PHYTOCHEMICAL ANALYSIS, GREEN SYNTHESIS OF SILVER NANOPARTICLES, AND IN VITRO ANTIOXIDANT ACTIVITY

Project report submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted By

LAVANYA.S

(Reg. No. 22MPBC1002)



Under the Guidance of

Mrs. T. RENUKA, M.Sc., M. Sc., M.Ed.,

(Assistant Professor)

DEPARTMENT OF BIOCHEMISTRY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Affiliated to Periyar University, Salem,

Accredited by NAAC with "A" Grade, Recognized by UGC under Section 2(f) & 12(B)

Rasipuram - 637 408, Namakkal District, Tamil Nadu.

Affiliated to Periyar University, Salem,

Accredited by NAAC with "A" grade, Recognized by UGC under Section 2(f) & 12(B), Rasipuram - 637 408. Namakkal District, Tamilnadu.

DEPARTMENT OF BIOCHEMISTRY



CERTIFICATE

This is to certify that the Project Report entitled "EXPLORING THE POTENTIAL **OF** ANISOMELES MALABARICA: **PHYTOCHEMICAL** ANALYSIS, GREEN SYNTHESIS OF SILVER NANOPARTICLES, AND IN VITRO ANTIOXIDANT ACTIVITY" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of MASTER OF SCIENCE IN BIOCHEMISTRY is a record of original research work done by LAVANYA .S (22MPBC1002) during the period of her study (2022-2024) in the Department of Biochemistry, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship / Fellowship or similar title to any candidate of any University.

Head of the Department

Submitted for the project viva-voce examination held on 14 05

Examiners: most 19/20

PHYTOCHEMICAL ANALYSIS AND ASSESSMENT OF IN VITRO ANTICANCER ACTIVITY OF METHANOL EXTRACT OF CLEOME GYNANDRA LEAVES USING BREAST CANCER CELL LINE (MDA-MB-231)

Project report submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted By

NANDHINI. M

(Reg. No. 22MPBC1003)



Under the Guidance of

Dr. M. DEVI, M.Sc., M.Phil., Ph.D.,

(Assistant Professor)

DEPARTMENT OF BIOCHEMISTRY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Affiliated to Periyar University, Salem,

Accredited by NAAC with "A" Grade, Recognized by UGC under Section 2(f) & 12(B)

Rasipuram - 637 408, Namakkal District, Tamil Nadu.

Affiliated to Periyar University, Salem,

Accredited by NAAC with "A" grade, Recognized by UGC under Section 2(f) & 12(B), Rasipuram - 637 408. Namakkal District, Tamilnadu.

DEPARTMENT OF BIOCHEMISTRY



CERTIFICATE

This is to certify that the Project Report entitled "PHYTOCHEMICAL ANALYSIS AND IN VITRO ANTI CANCER ACTIVITY OF METHANOL EXTRACT OF CLEOME GYNANDRA LEAVES USING BREAST CANCER CELL LINES (MDA-MB-231)" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of MASTER OF SCIENCE IN BIOCHEMISTRY is a record of original research work done by NANDHINI .M (Reg NO: 21MPBC1003) during the period of her study (2022-2024) in the Department of Biochemistry, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship / Fellowship or similar title to any candidate of any University.

Project Guide

Head of the Department

Submitted for the project viva-voce examination held on 14/05/2024

Examiners:

S. Purathy

1

2.

M. De.

IN VITRO ANTIOXIDANT ACTIVITY OF ETHANOL EXTRACT FROM BRYOPHYALLAM PINNATA IN LEAVES, AS WELL AS PHYTOCHEMICAL ANALYSIS AND GREEN SYNTHESIS OF SILVER NANOPARTICLES

Project report submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted By

NISHASATHIVIKA. R

(Reg. No. 22MPBC1004)



Under the Guidance of

Mrs. M. PRIYANGAGANDHI, M.Sc., M.Phil.,

(Assistant Professor)

DEPARTMENT OF BIOCHEMISTRY

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DEPARTMENT OF BIOCHEMISTRY



CERTIFICATE

VITRO "IN is to certify that the Project Report entitled **FROM** ANTIOXIDANT ACTIVITY OF ETHANOL **EXTRACT** BRYOPHYALUM PINNATA IN LEAVES, AS WELL AS PHYTOCHEMICAL ANALYSIS AND GREEN SYNTHESIS OF SILVER NANOPARTICLES" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of MASTER OF SCIENCE IN BIOCHEMISTRY is a record of original research work done by NISHASATHIVIKA .R (Reg .No:22MPBC1004) during the period of her study (2022-2024) in the Department of Biochemistry, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship / Fellowship or similar title to any candidate of any University.

Project Guide

Head of the Department

Submitted for the project viva-voce examination held on 14.05 -2024

Examiners:

Perothingry

1.

2.

THE HERBAL TOUCH: SYNTHESIS OF SILVER NANOPARTICLES, ANTIOXIDANT PROFILING AND OINTMENT INNOVATION FOR SKIN VITALITY USING TERMINALIA CHEBULA

Project report submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted By

PREETHI.V

(Reg. No. 22MPBC1005)



Under the Guidance of

Dr. M. SHABANA BEGUM., M.Sc., M.Phil., Ph.D., (DEAN - Life Science)

DEPARTMENT OF BIOCHEMISTRY

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DEPARTMENT OF BIOCHEMISTRY



CERTIFICATE

This is to certify that the Project Report entitled "THE HERBAL TOUCH: SYNTHESIS OF SILVER NONOPARTICLES, ANTIOXIDANT PROFILING AND OINTMENT INNOVATION FOR SKIN VITALITY USING TERMINALIA CHEBULA" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of MASTER OF SCIENCE IN BIOCHEMISTRY is a record of original research work done by PREETHI.V (Reg No: 22MPBC1005) during the period of her study (2022-2024) in the Department of Biochemistry, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship / Fellowship or similar title to any candidate of any University.

Or. M. SHABANA BEGUM

Assistant Professor,

Repartment of Biochemistry,

Nordiyeror Fluidlege of Arts and Science,
Rasipuram, Namakkal Dt. Ph. 98650 14844

Head of the Department

Submitted for the project viva-voce examination held on 14/05/2024

Examiners:

1. E. Twosh interpret

2. MS John

PHYTOCHEMICAL ANALYSIS AND IN VITRO ANTI-CANCER ACTIVITY OF METHANOL EXTRACT OF RUELLIA TUBEROSA USING CERVICAL CANCER CELL LINE- HeLa

Project report submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted By

RUBASRI.E

(Reg. No. 22MPBC1006)



Under the Guidance of

Mrs. T. RENUKA, M.Sc., M. Sc., M.Ed.,

(Assistant Professor)

DEPARTMENT OF BIOCHEMISTRY

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DEPARTMENT OF BIOCHEMISTRY



CERTIFICATE

This is to certify that the Project Report entitled "PHYTOCHEMICAL ANALYSIS AND IN VITRO ANTI-CANCER ACTIVITY OF METHANOL EXTRACT OF RUELLIA TUBEROSA USING CERVICAL CANCER CELL LINE- HeLa" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of MASTER OF SCIENCE IN BIOCHEMISTRY is a record of original research work done RUBASRI.E (Reg No: 22MPBC1006) during the period of her study (2022-2024) in the Department of Biochemistry, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship / Fellowship or similar title to any candidate of any University.

Project Guide

Head of the Department

Submitted for the project viva-voce examination held on _____ (H \DF) 204

Examiners:

1. L. Purathy

2.

PLANT-MEDIATED SYNTHESIS OF SILVER NANOPARTICLES USING MICHELIA CHAMPACA LEAVES: ASSESSMENT OF THEIR IN VITRO ANTICANCER ACTIVITY USING CERVICAL CANCER CELL LINES (HeLa)

Project report submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted By

SOWMIYA DEVI. P

(Reg. No. 22MPBC1007)



Under the Guidance of

Dr. M. DEVI, M.Sc., M.Phil., Ph.D.,

(Assistant Professor)

DEPARTMENT OF BIOCHEMISTRY

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DEPARTMENT OF BIOCHEMISTRY



CERTIFICATE

This is to certify that the Project Report entitled "PLANT MEDIATED CHAMPACA NANOPARTICLES USING MICHELIA SYNTHESIS OF LEAVES: ASSESSMENT OF THEIR IN VITRO ANTICANCER ACTIVITY USING CERVICAL CANCER CELL LINES (HeLa)" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of MASTER OF SCIENCE IN BIOCHEMISTRY is a record of original research work done by SOWMIYA DEVI .P (Reg No: 22MPBC1007) during the period of her study (2022-2024) in the Department of Biochemistry, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship / Fellowship or similar title to any candidate of any University.

Project Guide

Head of the Department

Submitted for the project viva-voce examination held on 14/5/2024

Examiners: s: Charly m/zen

PHYTOCHEMICAL ANALYSIS AND IN VITRO ANTIOXIDANT, IN VITRO ANTI DIABETIC ACTIVITY OF METHANOL EXTRACT FROM SENNA ARTICULATA FLOWER, OCIMUM TENUIFLORUM LEAVES AND FOENICULUM VULGARE SEEDS

Project report submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted By

DHANUSH .B

(Reg. No. 22MPBC1008)



Under the Guidance of

Mr. S. MAHARAJAN, M.Sc., M.Phil., MLIS.,

(Assistant Professor)

DEPARTMENT OF BIOCHEMISTRY

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DEPARTMENT OF BIOCHEMISTRY



CERTIFICATE

This is to certify that the Project Report entitled "PHYTOCHEMICAL ANALYSIS AND IN VITRO ANTIOXIDANT, IN VITRO ANTI DIABETIC ACTIVITY OF METHANOL EXTRACT FROM SENNA ARTICULATA AND FOENICULUM FLOWER, OCIMUM TENUIFLORUM LEAVES VULGARE SEEDS" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of MASTER OF SCIENCE IN BIOCHEMISTRY is a record of original research work done by DHANUSH .B (Reg. No: 22MPBC1008) during the period of his study (2022-2024) in the Department of Biochemistry, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship / Fellowship or similar title to any candidate of any University.

S.mahares
Project Guide

Head of the Department

Submitted for the project viva-voce examination held on 14.05.2024

Examiners:

P. Quarrichty

15. mahangjan 14.05.2029

HERBAL SOAP FORMULATION AND CHARACTERIZATION BY USING ETHANOL EXTRACT OF Rubia cordifolia ROOT

Project report submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted By

ELAVARASAN.P

(Reg. No. 22MPBC1009)



Under the Guidance of

Mr. P. TAMILMANI, M.Sc., M. Phil., (Ph.D).,

(Assistant Professor and Head)

DEPARTMENT OF BIOCHEMISTRY

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DEPARTMENT OF BIOCHEMISTRY



CERTIFICATE

This is to certify that the Project Report entitled "HERBAL SOAP FORMULATION AND CHARACTERIZATION BY USING ETHANOL EXTRACT OF RUBIA CORDIFOLIA ROOT" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of MASTER OF SCIENCE IN BIOCHEMISTRY is a record of original research work done by ELAVARASAN.P (22MPBC1009) during the period of his study (2022-2024) in the Department of Biochemistry, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship / Fellowship or similar title to any candidate of any University.

Project Guide

& Perathi HIS/201

Head of the Department

Submitted for the project viva-voce examination held on 14 106 2024

Examiners:

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2.

PHYTOCHEMICAL ANALYSIS AND IN VITRO ANTI-MICROBIAL ACTIVITY AND ANTICANCER ACTIVITY (MDA-MB-231) OF ETHANOLIC, METHANOLIC AND AQUEOUS EXTRACT OF Couroupita guinanensis LEAVES

Project report submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted By

SRIDHARAN.M

(Reg. No. 22MPBC1010)



Under the Guidance of

Mr. P. TAMILMANI, M.Sc., M.Phil., (Ph.D.,)
(Assistant Professor and Head)

DEPARTMENT OF BIOCHEMISTRY

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DEPARTMENT OF BIOCHEMISTRY



CERTIFICATE

This is to certify that the Project Report entitled "PHYTOCHEMICAL ANALYSIS ACTIVITY AND VITRO ANTI-MICROBIAL IN ANTICANCER ETHANOLIC, **ACTIVITY** (MDA-MB-231) METHANOLIC AND AQUEOUS EXTRACT OF Couroupita guinanensis LEAVES" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of MASTER OF SCIENCE IN BIOCHEMISTRY is a record of original research work done by SRIDHARAN .M (Reg. No: 22MPBC1010) during the period of his study (2022-2024) in the Department of Biochemistry, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship / Fellowship or similar title to any candidate of any University.

Project Guide

Head of the Department

Submitted for the project viva-voce examination held on 14/05/202

Examiners:

& Evost 1924

PHYTOCHEMICAL ANALYSIS AND GREEN SYNTHESIS OF SILVER NANOPARTICLES, AS WELL AS IN VITRO ANTIOXIDANT ACTIVITY OF METHANOL EXTRACT FROM THE FUSION OF TAMIRANDUS INDICA AND MANGIFERA INDICA BARKS

Project report submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted By

VIGNESH .S

(Reg. No. 22MPBC1011)



Under the Guidance of

Mr. M. NEELAKANDAN, M.Sc., M.Phil., (Ph.D.,)
(Assistant Professor)

DEPARTMENT OF BIOCHEMISTRY

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DEPARTMENT OF BIOCHEMISTRY



CERTIFICATE

This is to certify that the Project Report entitled "PHYTOCHEMICAL ANALYSIS AND GREEN SYNTHESIS OF SILVER NANOPARTICLES, AS WELL AS IN VITRO ANTIOXIDENT ACTIVITY OF METHANOL EXTRACT FROM THE FUSION OF TAMIRANDUS INDICA AND MANGANIFERA INDICA BARKS" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of MASTER OF SCIENCE IN BIOCHEMISTRY is a record of original research work done by VIGNESH .S (Reg. No : 22MPBC1011) during the period of his study (2022-2024) in the Department of Biochemistry, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship / Fellowship or similar title to any candidate of any University.

Project Guide

Head of the Department

Submitted for the project viva-voce examination held on 14'05 2024

Examiners:

1. S. Rwathing 124

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