

**VIGNAN'S**

Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

Department of M.Sc Chemistry/Organic chemistry

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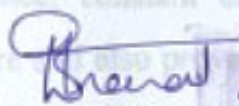
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ACADEMIC CERTIFICATE

This is to certify that the mini Project Report entitled: *Encapsulation Of Organometallic complex into MOF towards Ring Opening Catalysis* submitted by **Nissithapabathini** to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award of the Degree of Master of Science in Chemistry is a bonafied record of the work carried out by them under my supervision and guidance.

I owe my sincere thanks and deepest sense of gratitude to Dr. Bharat Kumar Tripuramallu Assistant professor chemistry division, VFSTR (deemed to be university) for his inspiring guidance, constant encouragement, and personal

Guide details along with signature:



Dr. Bharat Kumar Tripuramallu

M.Sc. Ph.D.

Assistant Professor, VFSTR

aryanbharat@gmail.com

I sincerely thank Prof. N. Srinivasa, Dean

Rao Head, Department of Chemistry for their constant support and encourage

Signature of Head of the Department/Division Head:

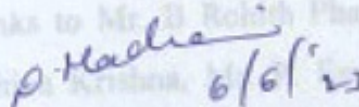


VFSTR for providing spectroscopic and analytical data needed

project work.

I extended my heartfelt thanks to Mr. B. Rajesh Phasendran, Mr. N. Anil

Signature of External Examiner:



6/6/23

encouragement and timely help.

I take this opportunity to thank my parents, friends for their love and affection and also their sacrifice and struggle to fulfill my degree.

ACKNOWLEDGEMENTS

This is to certify that project report entitled: Design & synthesis of New Zinc(II) Complexes of 2,4 dinitrophenyl-hydrazineylidenes with pyrrole, furan, thiophene and polymerization studies submitted by Kusuma Lakshmi angirekula to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards partial fulfilment of the requirements for the award of the **Master of Science in Chemistry** is a bonafied record of the work carried out by them under my supervision and guidance.

k. Ravi
Guide details along with signature: Dr. Ravi Kumar Kothalanka
Associate professor
Dept. of Chemistry
VFSTR, AP

Signature of Head of the Department:

k. N. Nagesh

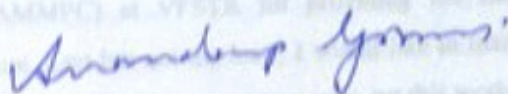

Signature of External Examiner:

P. Reddy
6/6/23

ACKNOWLEDGEMENT


This is to certify that project report entitled: "Synthesis of alumina from aluminum waste and its potential for catalytic applications" submitted by ANNAPUREDDY SRAVANI to the Vignani's Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award of the Master of Science in Chemistry is a bonafied record of the work carried out by her under my supervision and guidance.

Guide details along with signature:


Dr. Anandarup Goswami

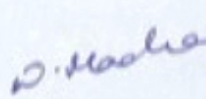
Associate Professor, Dept. of Chemistry

Signature of Head of the Department:


Prof. K. Prabhakara Rao
Head, Dept. of Chemistry



Signature of External Examiner:


6/6/23



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It's my pleasure to express my deep sense of gratitude to Prof. D. Naga Mani for his inspiring guidance and motivation.

CERTIFICATE

My sincere thanks to Dr. L. Raghaviah chairman of VFSR and Vice-Chairman Dr. L. Krishna Devarayana and Vice-Chairman Dr. L. Krishna

This is certify that the project report entitled: "**MeSO₃H-Catalyzed approach for the synthesis of Oxy-Thiazole Motifs from N-alkyl/alkenyl thiourea and Methyl/Ethyl acetylene-Di-carboxylates**" submitted by **Sri Lakshmi Dhulipala, Regd. No. 211FS01006** to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award Degree of **Master of Science in Chemistry** is a bonafied record of the research work done by her under my supervision and guidance

My special thanks to Mr. Y. Subba Rao, and all research scholars for their cooperation and helping during project.

My sincere thanks to (Deemed to be university), Vadlamudi for providing facilities and help.

Signature of Supervisor:

My heart-full thanks to my family and Ananya for their cooperation, helping and encouragement in the time of need.

Signature of Head of the Department:

K. R. Shree



Signature of External Examiner:

P. Raghav

ACKNOWLEDGEMENTS

This is to certify that project report entitled: **Synthesis, Characterization and Catalysis of Metal complexes supported by bis(arylimino)acenaphthene ligands** submitted by **M Anusha** to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award of the **Master of Science in Chemistry** is a bonafied record of the work carried out by them under my supervision and guidance.

b. Ravi Kumar
Guide details along with signature: **Dr. Ravi Kumar Kottalanku**
Associate Professor
Dept of Chemistry
VFSTR, AP

Signature of Head of the Department:

K. P. Subrahmanyam


Signature of External Examiner:

P. Madhu
6/6/23

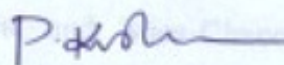
CERTIFICATE

This is to certify that the mini Project Report entitled: **Organoantimony clusters/Complexes and their Biological properties** submitted by **SAILAJA MOGASATI** to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award of the Degree of Master of Science in Chemistry is a bonafied record of the work carried out by them under my supervision and guidance.

Guide details along with signature:

DR. P.V.V.N. Kishore

Department of Chemistry, VFSTR



I extend my heart-full thanks to Prof. N. Srinivasa, Dean SAGH, VFSTR and Prof. K. Prabhakar Rao Head of chemistry department for their cooperation and guidance.

My sincere thanks to all my faculty for their valuable suggestions.

Signature of Head of the Department/Division Head:

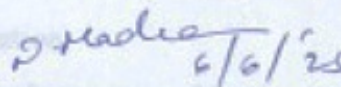


My special thanks to all research scholars for their cooperation during project.

I also thank the COEXAMMPC for characterization such as IR and EDAX analysis.

My sincere thanks to VFSTR (Deemed to be university), Vadlamudi for

Signature of External Examiner:



6/6/23

My heart-full thanks to my classmates, friends and family for their cooperation, helping and encouragement at the time of need.


CERTIFICATE

This is to certify that the major project report entitled '**Green synthesis of bismuth oxide nanoparticles by using *Caralluma lasiantha* plant extracts for photocatalytic dye degradation and antibacterial activity**' submitted by **Pammi Madhavi** to the Vignan's Foundation for Science, Technology & Research (Deemed to be) University, Vadlamudi, towards partial fulfillment of the requirements for the award of the Degree of Master of Science in Chemistry is a bonafied record of the work carried out by her under my supervision and guidance.


Dr. Sireesha Malladi

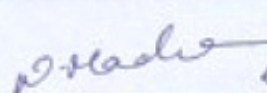
(Associate Professor, VFSTR)

Signature of Head of the Department:





Signature of External Examiner:

 6/6/23



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CERTIFICATE

This is to certify that the Major-Project Report entitled **SPANISH CHERRY SEED DERIVED ACTIVATED CARBON-BASED ELECTRODE MATERIAL FOR ELECTRICAL DOUBLE LAYER CAPACITOR** submitted by **ASHOK KUMAR PILLI** to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award of the Degree of Master of Science in Chemistry is a bonafide record of the work carried out by them under my supervision and guidance.

Guide details along with signature: *Dr. Sudip Mandal*
Asst. Professor.

Signature of Head of the Department/Division Head: *K. P. Rao*

Signature of External Examiner: *D. Madhu*
6/6/23

ACKNOWLEDGEMENT CERTIFICATE

This is to certify that the major Project Report entitled: **Molecular Docking and DFT Studies OF 5SGG with Benzimidazole Derivatives** submitted by **Rizmi shaik** to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award of the Degree of Master of Science in Chemistry is a bonafied record of the work carried out by them under my supervision and guidance.

V. Srinivasadesikan

Guide details along with signature: Dr. V.Srinivasadesikan

My sincere thanks to all my faculty members for their cooperation and motivation. Associate Professor, Dept. of Chemistry

My special thanks to Dr. M. Vignajji, Department of Biotechnology, Vignan's

all research scholars for their cooperation and help.

Signature of Head of the Department: Prof. K. Prabhakara Rao

My sincere thanks to VFSTR (Deemed to be University) for providing facilities and instrumentation. Head, Dept. of Chemistry

My heart full thanks to my friends and family members for their help and encouragement at the time of need.

Signature of External Examiner:

D. Madhu
6/6/23





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(Deemed to be University)

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I Take this opportunity to thank Honorable chairman Dr.Lavu Rathiah and Vice chairman Lavu srikrishna deswaraya for their support and for given me an opportunity to carry out my master's degree in VFSTR.

I also thank Vice-Chancellor Prof.P.Nagalakshmi and Dean R&D Dr.G.Srinivasa Rao for their support and encouragement.

CERTIFICATE

I would like to express my thanks to Dr.N.Satyasree Professor and

This is to certify that the major Project Report entitled: **Synthesis of Tetrahydrocarbazole via 1-Cyclohexylidene-2-Phenylhydrazine, its Characterisation and study of yield, and biological activity** submitted by **SHAIK RUKSANA** to the Vignans Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award of the Degree of Master of Science in Chemistry is a bonafied record of the work carried out by them under my supervision and guidance.

and other research scholars and CoExAMMPC for providing the characterization for my sample.

Guide details along with signature:

Dr.N.Satyasree

Professor,

Dept of chemistry, VFSTR.

Signature of Head of the Department/Division Head:




Signature of the External Examiner:

P. Madhavi
6/6/23

CERTIFICATE

This is to certify that the Project Report entitled "**Synthesis of 3d Group Metal-Based Catalyst for Glucose Sensing Application**" submitted by **S. SIVA LAKSHMI** to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award of the Degree of **Master of Science in Chemistry** is a bonafide record of the work carried out by them under my supervision and guidance.

Guide details along with signature: 

Dr N. Satya Vijaya Kumar,

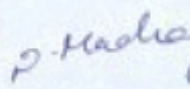
Assistant professor,

Dept. of Chemistry, VFSTR

Signature of Head of the Department/Division Head:




Signature of External Examiner:


6/6/23

CERTIFICATE

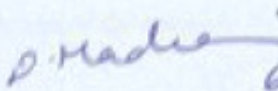
This is to certify that the major project report entitled '**GREEN SYNTHESIS OF BISMUTH FERRITE NANOPARTICLES BY USING CARALLUMA LASIANTHA PLANT EXTRACTS FOR PHOTOCATALYTIC DYE DEGRADATION AND ANTIBACTERIAL ACTIVITY**' submitted by **YANKAYALAPATI SWAPNA** to the Vignan's Foundation for Science, Technology & Research (Deemed to be) University, Vadlamudi, towards partial fulfillment of the requirements for the award of the Degree of Master of Science in Chemistry is a bonafied record of the work carried out by her under my supervision and guidance.


Dr. Sireesha Malladi
(Associate Professor, VFSTR)

Signature of Head of the Department:




Signature of External Examiner:


6/6/23



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Foundation for Science, Technology & Research

(Deemed to be UNIVERSITY)

Estd. 1983 of UGC Act 1956



CERTIFICATE

This is certified that the project report entitled: **“Machine learning models for predicting binding energy of SSGG protein with benzimidazole derivatives”** submitted by **N Bhagya Jyothi, Regd. No. 211FS01029** to the Vignans Foundation for Science, Technology & Research, Vadlamudi towards partial fulfilment of the requirements for the award Degree of **Master of Science in Chemistry** is a bonafied record of the research work done by him under my supervision and guidance.

V. Srinivasadesikan

Signature of Supervisor: **Dr. V.Srinivasadesikan**

Associate Professor, Dept.of chemistry

K. P. Prabhakara Rao

Signature of Head of the Department: **Prof.K.Prabhakara Rao**

Head,Dept of Chemistry



Signature of External Examiner:


D. Madhavi
6/6/21

ACKNOWLEDGEMENTS



I take this opportunity to thank Honorable Chairman Dr. Laxu Rathnakar and Vice-Chairman Dr. Laxu Srikrishna Desamsetty for their generous support and for providing me an

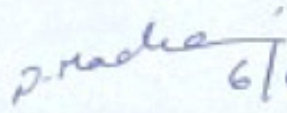
This is to certify that the mini Project Report entitled: '**Surface functionalization of carbon nanotubes For Sensor Application**' submitted by V. Vamsi Krishna Reedy to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award of the Degree of Master of Science in Chemistry is a bonafide record of the work carried out by them under my supervision and guidance.

Dr. K. Prabhakara Rao, Professor, Head of Department of Chemistry, School of Applied Sciences & Humanities, and management of VFSTR for providing place and facilities to carry-out my project work.

Guide details along with signature: 
Dr. N. Satya Vijaya Kumar, Assistant Professor, Department of Chemistry, School of Applied Sciences and Humanities

I thank to Dr. M. Bujji Babu, G. Ravi Kumar et al and other research scholars from PCE lab and CoExAMMPC for providing the basic characterisation for my samples.

Signature of Head of the Department/Division Head: 


Signature of External Examiner: 
6/6/23



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be UNIVERSITY)

ESTD 1983 & UGC Act 1956

NAAC **A+** | **100** | **97**

CERTIFICATE

This is to certify that the Major Project Report entitled: **HIGH ENERGY DENSITY SUPERCAPACITOR USING ZAPOTA SEED-DERIVED ACTIVATED CARBON-BASED ELECTRODE AND AQUEOUS REDOX ELECTROLYTE** submitted by **ALEKHYA GOKAVARAPU** to the Vignans Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award of the Degree of **Master of Science in Chemistry** is a bonafide record of the work carried out by them under my supervision and guidance.

Guide details along with signature:

Dr. Sudip Mandal
Asst. Professor.

Signature of Head of the Department:

K. N. Reddy
06/08/23



Signature of External Examiner:

P. Reddy
6/8/23



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ACKNOWLEDGEMENT:

CERTIFICATE

I would like to acknowledge Prof. N. Sriivara (Dean), Prof. K. Prabhakar Rao (HOD), and other faculty members of the Division of Chemistry, Department of School of Applied Sciences & Technology. This is to certify that the major-Project Report entitled, "SWEET LEMON PEEL DERIVED NC USED FOR REMOVAL OF SAFRANIN-O DYE FROM WASTE WATER." submitted by **MOPIDEVI SAI RUPA** to the Vignan's Foundation for Science, Technology & Research (Deemed to be University), Vadlamudi towards partial fulfillment of the requirements for the award of the Master of Science in Chemistry is a bonafede record of the work carried out by them under my supervision and guidance.

I am indebted to the present vice-chancellor Dr. V. Nagabharatham and former vice-chancellor Dr. M. Y. S. prasad for giving me an opportunity to carry out my Master's Degree in VVSTR.

Guide details along with signature: *S. Sengupta*

I also acknowledge the technical support *Scientist (Asst. professor)* (Jayaram) of Centre of Excellence for Advanced Materials, Manufacturing, Processing and Characterization (CoEAMMPC) at VVSTR for providing the necessary characterization data and valuable discussion.

Last but not the least, I would like to thank *K. N. Rao* of the group and **Signature of Head of the Department/Division Head:**



Signature of External Examiner: *P. Sankar*
6/6/23



CERTIFICATE

This is to certify that the Dissertation Report entitled: **“Design and synthesis of Novel Thio Based Metal Organic Framework (MOFs) for Various Photophysical Applications”** submitted by **Lavanya Anumula** to the Vignan’s

Foundation for Science, Technology & Research, Vadlamudi towards the partial fulfillment of the requirements for the award of the Degree of **Master of Science in Chemistry** is a bonafied record of the work carried out by them

under my supervision and guidance.

Guide details along with signature:

Prof. Koya Prabhakara Rao
HOD, Dept. of Chemistry, SAS&H,
VFSTR, Vadlamudi.

Signature of Head of the Department



Signature of External Examiner:



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be University)

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CERTIFICATE

This is to certify that the major-Project Report entitled: **SYNTHESIS AND CHARACTERIZATIONS OF BIOMASS-DERIVED CARBON** submitted by **G. NAVYA** to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award of the degree of **Master of Science in Chemistry** is a bonafide record of the work carried out by them under my supervision and guidance.

Guide details along with signature:

Dr. Sudip Mandal
Asst. Professor.

Signature of Head of the Department:

K. P. Reddy



Signature of External Examiner:

P. Madhavi
6/6/23



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S.No

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Abstract

This is to certify that the major project report entitled: **Synthesis of 2-Oxazoline From Bioresource and its Copolymerisation** submitted by **JAGGAVARAPU DIVYA**, Reg No:211FS01045 to Vignan's Foundation For Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award degree of **Master of Science in Chemistry** is a bonafide record of the research work done by her under my supervision and guidance.

References

Guide details along with signature:

Dr. Chandrasekar K
Associate Professor,
Department of chemistry, S&H
VFSTR

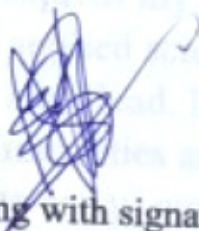
Signature of the Head of the Department:



Signature of External Examiner:

CERTIFICATE

This is to certify that the Major Project Report entitled: **Synthesis of Tetrahydrocarbazole with improved yield and elevated pharmacological activity - Evaluation of biological activity and therapeutic applications with ethanol as catalyst.** submitted by **NEELAM LAKSHMI KEERTHI** to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award of the **Master of Science in Chemistry** is a bonafied record of the work carried out by them under my supervision and guidance.



Guide details along with signature:

Dr. SatyaSree Nannapaneni,

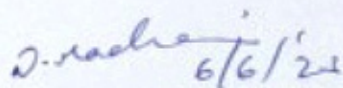
Professor,

Dept of chemistry, VFSTR.

Signature of Head of the Department/Division Head:




Signature of External Examiner:


6/6/22



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This is to certify that major project report entitled: **BIOPLASTICS FROM CARDANOL FUNCTIONALIZED CHITOSAN AND HNT**, submitted by **N. DEEPTHI** to the Vignan's Foundation for Science Technology & Research, Vadlamudi towards partial fulfilment of the requirement for the award of the Degree of **Master of Science** in Chemistry is a bonafide record of the work carried out by her under my supervision and guidance.

Guide details along with signature:

Dr. K. Chandrasekar,
Associate Professor, VFSTR.

Signature of Head of the Department:



Signature of External:



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Foundation for Science, Technology & Research
(Deemed to be UNIVERSITY)
-ESTD. u/s 3 of UGC Act 1956

NAAC Accredited **A+** | **97**

CERTIFICATE

This is to certify that the Major-Project Report entitled: **“Novel Isatin-connected Piperazine Derivatives: Design, Synthesis, Characterization and Biological Applications”** submitted by Bandi Naga Vasanth to the Vignans Foundation for Science, Technology & Research, Vadlamudi towards the partial fulfillment of the requirements for the award of the Degree of **Master of Science in Organic Chemistry** is a bonafied record of the work carried out by them under my supervision and guidance.

Guide details along with signature:

Prof. Koya Prabhakara Rao

HOD, Dept. of Chemistry,

SAS&H, VFSTR.

Signature of Head of the Department:

K. P. Rao

Signature of External Examiner:



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be **UNIVERSITY**)

-Estd. u/s 3 of UGC Act 1956



CERTIFICATE

This is to certify that the Internship Report entitled: *Synthetic route 2,6-dichloro-5,9-dihydro-4H-purine* submitted by Madhu Bheemavarapu to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award of the Degree of Master of Science in Organic Chemistry is a bonafied record of the work carried out by them under my supervision and guidance.

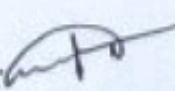
Guide details along with signature:


Chandrasekar Kuppan
Associate Professor
Department of Chemistry
VFSTR - 522 213

Signature of Head of the Department/Division Head:

K. P. Rao

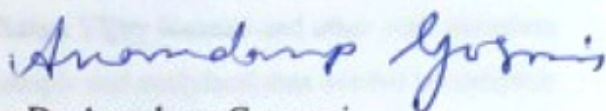


Signature of External Examiner 

CERTIFICATE

This is to certify that the major project report entitled: "**DEVELOPMENT OF VARIOUS NANOMATERIALS FROM PALM-WASTE FOR SUSTAINABLE APPLICATIONS**" submitted by **Ch. Tejeswar Reddy** to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award of the Masters of Science in Organic Chemistry is a bonafide record of the work carried out by them under my supervision and guidance.

Guide details along with signature:



Dr. Anandarup Goswami

Assoc. Professor, Dept. of Chemistry

Signature of Head of the Department:

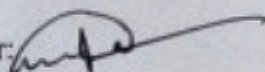


Prof. K. Prabhakar Rao

Head, Dept. of Chemistry



Signature of External Examiner:



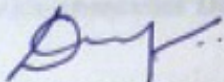


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-Estd. u/s 3 of UGC Act 1956

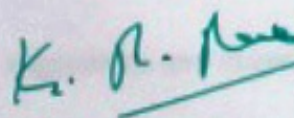
NAAC Accredited **A+** | **97**

CERTIFICATE

This is certified that the minor project report entitled: "*Hooker Oxidation: A Potential tool to access 3-aryllawsones*" submitted by **EDA VAMAN REDDY, Regd. No. 211FS01007** to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award Degree of **Master of Science in Organic Chemistry** is a bonafide record of the research work done by him under my supervision and guidance.

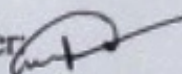

Signature of Supervisor:

Signature of Head of the Department:





Signature of External Examiner:





CERTIFICATE

This is to certify that project report entitled: **Exploring Biological Significance of Riluzole-Amide & Riluzole-Imine Derivatives** submitted by **GADDE RAMYA** to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards partial fulfilment of the requirements for the award of the **Master of Science in Organic chemistry** is a bonafied record of the work carried out by them under my supervision and guidance.

R. Ramya

Guide details along with signature: *Dr. Ravi Kumar Kothalanka*
Associate professor
Dept of chemistry
VFSTR, AP

Signature of Head of the Department:

K. A. Reddy



Signature of External Examiner: *[Signature]*



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Foundation for Science, Technology & Research
(Deemed to be UNIVERSITY)

ESTD. 1973

NAAC A⁺ | **Urf 97**

CERTIFICATE

This is certify that the project report entitled: "Highly facile approach for the synthesis of (R)-1-phenyl-2-(quinolin-2-yl)ethan-1-ol *via* Acid-Catalysis" submitted by Sri Vardhani Marepalli, Regd. No. 211FS01009 to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award Degree of **Master of Science in Organic Chemistry** is a bonafied record of the research work done by her under my supervision and guidance.

Signature of Supervisor:

Signature of Head of the Department:

K. P. A.

Signature of External Examiner:



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(Deemed to be UNIVERSITY)

Estb. in 3 of UGC Act 1956

NAAC A+ | ISO 9001:2015 | ISO 14001:2015

CERTIFICATE

This is to certify that the Dissertation report entitled: **“SYNTHESIS AND CHARACTERIZATION OF PHARMACEUTICAL ACTIVE DRUGS DAPAGLIFLOZIN AND EMPAGLIFLOGIN IMPURITIES”** submitted by Mutte NagaDurga to the Vignans Foundation for Science, Technology & Research, Vadlamudi towards the partial fulfillment of the requirements for the award of the Degree of **Master of Science in Organic Chemistry** is a bonafied record of the work carried out by them under my supervision and guidance.

Guide details along with signature:

Prof. Koya Prabhakara Rao

HOD, Dept. of Chemistry,

SAS&H, VFSTR.

Signature of Head of the Department/Division Head:

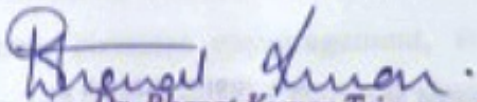


Signature of External Examiner:

CERTIFICATE

This is to certify that the Major project report entitled: **Impact of Electron Withdrawing Effect on Sigma Hole via Bromine Based Interactions in Zn-5, 10, 15, 20-tetra(4-bromo-2,6-difluoro phenyl) Porphyrin** submitted by **P. Munthaz** to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award of the Degree of Master of Science in Chemistry is a bonafied record of the work carried out by them under my supervision and guidance.


Guide details along with signature:


Dr. Bharat Kumar Tripuramallu
M.Sc. Ph.D.
Assistant Professor, VFSTR
aryanbharat@gmail.com

Signature of Head of the Department:





Signature of External Examiner: 



VIGNAN'S

Foundation for Science, Technology & Research

UNIVERSITY

(Estd u/s 3 of UGC Act of 1956)

CERTIFICATE

This is to certify that the thesis Entitled Synthesis of Clopidogrel Bisulphate Form II Via Phenyl Glycine Route is submitted by VENKATA SIVA REDDY in the Department of chemistry, school of Science, Vignan's Deemed to be university for the award of the degree of M.Sc. Organic Chemistry in the faculty of chemistry Dr. P.V.V.N. Kishore, is a record of research work carried out by him under my guidance and supervision. This has not been submitted to any other university or institution for the award of degree / diploma certificate.

Guide details along with signature:

P. V. V. N. KISHORE

Signature of Head of the Department/Division Head:



Signature of External Examiner:

CERTIFICATE

This is to certify that project report entitled: *Synthesis of Amino Acid Ionic Liquids* submitted by **MUSHRAF SHAIK** to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award of the **Master of Science in Chemistry** is a bonafied record of the work carried out by them under my supervision and guidance.

Guide details along with signature: *V. Minivarnan*
DR. V. Srinivasadevikan
ASSOC. Prof; VFSTR.

Signature of Head of the Department:

K. P. Reddy


Signature of External Examiner: *[Signature]*

CERTIFICATE

This is to certify that the major Project Report entitled: *synthesis and characterization of few isoproterenol hydrochloride impurities* submitted by **SHAIK SIDDAIAH** to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award of the Degree of Master of Science in Chemistry is a Bonafede record of the work carried out by them under my supervision and guidance.

[Handwritten signature]

Guide details along with signature: **Dr. Ravi kumar Kottalamke**
Associate professor
Dept. of Chemistry
VFSTR, AP

Signature of Head of the Department/Division Head: *[Handwritten signature]*



Signature of External Examiner: *[Handwritten signature]*

CERTIFICATE

This is to certify that the project work entitled as "Synthesis and characterization of Ethyl 5-chloropyrazol[1,5-a]primidine-3-carboxylate" done by Ms. S.ADITHYA VARDHINI bearing Regd No:211FS01021 student of MSc Organic Chemistry, is a record of bonafide work carried out by her (at MSN (P)Ltd HYDERABAD) under the supervision and guidance of Dr. B. ANANTHAN and Dr. V. SRINIVASADESIKAN.

My thanks go to Dr. V. Srinivasadesikan, Associate Prof. of Chemistry, VSR University, Hyderabad for his valuable suggestions and worthy assistance, which helped me to complete this project.

V. Srinivasadesikan
Dr. V. Srinivasadesikan
Guide details along with signature: Assoc-Prof.

Signature of Head of the Department/Division Head

K. P. Rao

Signature of External Examiner:

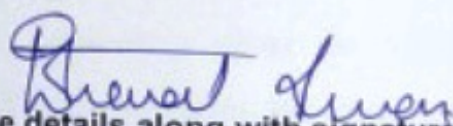
[Signature]



S. ADITHYA VARDHINI

CERTIFICATE

This is to certify that the dissertation work entitled "Synthesis of Spiro compound as useful intermediates to Antiepileptic Drugs" is a bonafide work done by **NADENDLA LAKSHMI HANSIKA (211FS01024)** of M.Sc. Organic chemistry. The report is submitted to **VIGNAN's FOUNDATION FOR SCIENCE, TECHNOLOGY & RESEARCH, VADLAMUDI** towards the completion of **M.Sc. Organic Chemistry** under my supervision. The work embodied in this dissertation in output from **INTEGRUM LIFE SCIENCES** is strictly confidential and sole property of **INTEGRUM LIFE SCIENCES**. This work is presented in this thesis should not be published/used in part or full or patented without the prior permission of director, **INTEGRUM LIFE SCIENCES**.



Guide details along with signature:

Dr. T. Bharat Kumar
Assistant Professor, Department of Chemist
VFSTR, Vadlamudi, Guntur, AP, India.

Signature of Head of the Department:



B. Narasimha Rao
Managing Director

Signature of External Examiner:

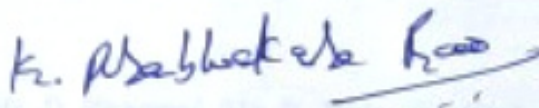


CERTIFICATE

This is to certify that the dissertation project report entitled: **“Synthesis, Characterization and Biological Applications of Novel Piperazine Derivatives Connected with Heterocyclic Moieties”** submitted by Jagadeesh kumar Parimi to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards the partial fulfillment of the requirements for the award of the Degree of **Master of Science in Organic Chemistry** is a bonafied record of the work carried out by them under my supervision and guidance.

Guide details along with signature:

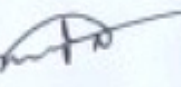
Prof. Koya Prabhakara Rao
HOD, Dept. of Chemistry,
SAS&H, VFSTR.



Signature of Head of the Department:





Signature of External Examiner 



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Estb. in 1983

NAAC A⁺ | **97**

CERTIFICATE

This is to certify that the dissertation project report entitled: **“Synthesis, Characterization and Biological Applications of Novel Piperazine Derivatives Connected with Heterocyclic Moieties”** submitted by Jagadeesh kumar Parimi to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards the partial fulfillment of the requirements for the award of the Degree of **Master of Science in Organic Chemistry** is a bonafied record of the work carried out by them under my supervision and guidance.

Guide details along with signature:

Prof. Koya Prabhakara Rao
HOD, Dept. of Chemistry,
SAS&H, VFSTR.

K. Prabhakara Rao

Signature of Head of the Department:

K. P. Rao



Signature of External Examiner:

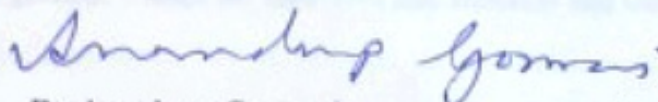
[Handwritten Signature]

ACKNOWLEDGEMENTS

CERTIFICATE

This is to certify that the Major-Project Report entitled: "SYNTHESIS & CHARACTERIZATION OF FEW ALBENDAZOLE IMPURITIES" submitted by - TIRUMALASETTY VIJAYA LAKSHMI to Vignan's Foundation for Science, Technology and Research (VFSTR) towards partial fulfillment of the requirements for the award of the Degree of Master of Science in Organic Chemistry is a bonafide record of the work carried out by her (at DR. JCR BIO SCIENCES PVT LMTD, CHERLAPALLY, HYDERABAD) under the supervision and guidance of Dr. Jaya Chandra Reddy and Dr. Anandarup Goswami.

Guide details along with signature:



Dr. Anandarup Goswami

Assoc. Professor, Dept. of Chemistry

Signature of Head of the Department:

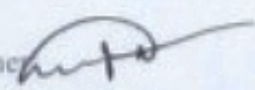


Prof. K. Prabhakara Rao

Head, Dept. of Chemistry



Signature of External Examiner





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CERTIFICATE


This is to certify that the minor Project Report entitled **Green synthesis and characterization of Magnesium ferrite nanoparticles** submitted by **KALLURI SAMARASIMHA REDDY** to the Vignan's Foundation for Science, Technology & Research (Deemed to be) University, Vadlamudi towards partial fulfillment of the requirements for the award of the Degree of Master of Science in Chemistry is a bonafied record of the work carried out by her under my supervision and guidance.


Dr. Sireesha Malladi

(Associate Professor, Department of Chemistry, SAS&H, VFSTR)


Signature of Head of the Department:



Signature of External Examiner: 


CERTIFICATE

This is to certify that the major Project Report Thesis entitled: *Formulation and Optimization of Tetra Hydro Curcumin- Loaded Ethosomes For Typical Applications* submitted by D.SAIDA towards partial fulfillment of the requirements for the award of the Degree of Master of Science in Organic Chemistry in the faculty of chemistry **Dr. N. Satya Vijaya Kumar** is a bonafied record of the work carried out by them under my supervision and guidance.

Guide details along with signature:  Dr. N. Satya Vijaya Kumar

Signature of Head of the Department/Division Head:  Dr. K. Prabhakar Rao

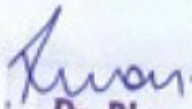
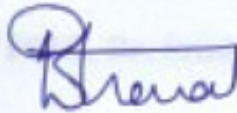


Signature of External Examiner: 

CERTIFICATE

This is to certify that the Major Project Report entitled: **“Synthesis and Structural Characterization of API Drug of Bupropion Drug and its Impurities”** submitted by **CH. Ravishankar** to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award of the Degree of Master of Science in Chemistry is a bonafied record of the work carried out by them under my supervision and guidance.

Guide details along with signature:

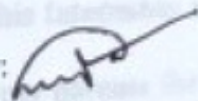


Dr. Bharat Kumar Tripuramallu
M.Sc. Ph.D.
Assistant Professor, VFSTR
aryanbharat@gmail.com

Signature of Head of the Department/Division Head:



Signature of External Examiner:





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CERTIFICATE

This is to certify that the major Project Report entitled: *SYNTHESIS OF A REAGENT USED IN THE PREPARATION OF COMPOUNDS WITH MATRIX-METALLOPROTEINASE INHIBITORY ACTIVITY* submitted by KANDUKURI TEJASWI to the Vignans Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award of the Degree of Master of Science in Chemistry is a bonafied record of the work carried out by them under my supervision and guidance.

Dr.N.Satyasree

(Professor, Department of Chemistry, SAS&H, VFSTR)

Signature of Head of the Department/Division Head:

K. P. Rao

Signature of External Examiner:

CERTIFICATE

This is to certify that the project work entitled as "*Synthesis of Novel Oxirane Carbamates as useful intermediates to APIs*" done by **Ms. KOLA DHANALAKSHMI** bearing **Regd No:211FS01036** student of **M.Sc. Organic Chemistry**, is a record of bonafide work carried out by her (at integrum life sciences, aleap industrial estate, pragati nagar, Hyderabad) under the supervision and guidance of **Dr. B. Narasimha rao** (from integrum life sciences) and **Dr. Anandarup Goswami** (from VFSTR).

Guide details along with signature:

Dr. Anandarup Goswami

Associate Professor, Dept. of Chemistry

Signature of Head of the Department:

Prof. K. Prabhakara Rao

Head, Dept. of Chemistry



Signature of External Examiner:

KOLA DHANALAKSHMI



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CERTIFICATE

This is certified that the minor project report entitled: "**synthesis of polyoxazoline by surface initiated polymerization**" submitted by **O.MAHA LAKSHMI** Reg. No:211FS01039 to the Vignan's Foundation For Science, Technology & Research, Vadlamudi towards partial fulfilment of the requirements for the award degree of **Master of Science in Organic Chemistry** is a bonafied record of the research work done by her under my supervision and guidance.

Signature of the supervisor :

Chandrasekar Kuppan
Associate Professor
Department of Chemistry
VFSTR - 522 213

Signature of the Head of the Department :



Signature of External Examiner :

CERTIFICATE

This is to certify that the Major Project Report entitled: "SYNTHESIS & CHARACTERIZATION OF FEW RIVAROXABAN METABOLITES" submitted by Sk. Shareef to the Vignan's Foundation for Science, Technology & Research, Vadlamudi towards partial fulfillment of the requirements for the award of the Degree of Master of Science in Chemistry is a bonafied record of the work carried out by them under my supervision and guidance.

Guide details along with signature:

Dr. Bharat Kumar Tripuramallu
M.Sc. Ph.D.
Assistant Professor, VFSTR
aryanbharat@gmail.com

Signature of Head of the Department/Division Head:



Signature of External Examiner:



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DEPARTMENT OF CHEMISTRY

Industrial /Field Visit Report

The 1st year MSc students (both Chemistry and Organic Chemistry) from the Department of Chemistry at the School of Applied Sciences and Humanities, VFSTR, undertook an insightful industrial tour on 22nd April, guided by Prof. D. Nagaraju, the Placement Coordinator for the MSc program, and Dr. Anandarup Goswami, Associate Professor in the Department of Chemistry. The destination of this insightful excursion was the Srimaharishi Research Institute of Vedic Technology, located at 11th line, Shayamala Nagar, Guntur, Andhra Pradesh.

Under the expert guidance of Prof. Nagaraju and Dr. Goswami, the students were exposed to a wealth of knowledge and practical insights into the cutting-edge research especially in the areas of Nanotechnology and Vedic Science, conducted at the Srimaharishi Research Institute. This industrial tour served as a bridge between theoretical classroom learning and real-world application, offering students a unique opportunity to witness the practical implications of their academic pursuits.

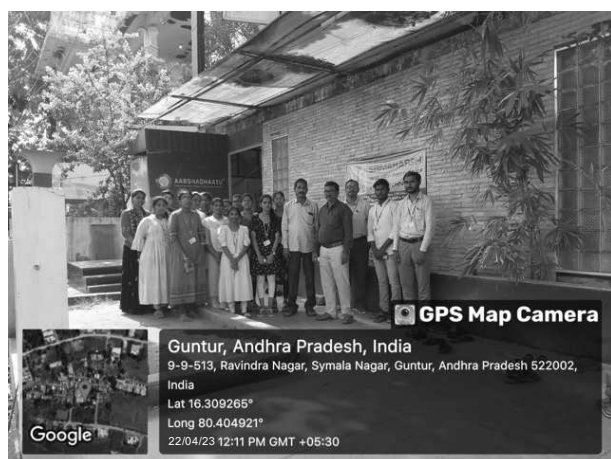
The visit to the Srimaharishi Research Institute provided the students with an invaluable chance to interact with industry professionals and researchers at the forefront of Nano and Vedic technology. The students gained firsthand exposure to the state-of-the-art facilities and equipment used in the institute's research endeavors, enhancing their appreciation for the technological advancements in the field. The engagement with the institute's staff fostered a spirit of curiosity and inquiry among the MSc students, encouraging them to explore the intersection of traditional knowledge and modern scientific research.

In conclusion, the industrial tour proved to be a transformative experience for the MSc students from the Department of Chemistry at VFSTR. The visit to the Srimaharishi Research Institute not only expanded their horizons but also instilled a sense of enthusiasm and passion for the practical applications of their academic pursuits. Such initiatives play a crucial role in preparing students for the dynamic and evolving landscape of scientific research and development in the industrial sector.

Prof. D. Nagaraju
M. Sc. Placement Coordinator
Department of Chemistry
School of Applied Science and Humanities
VSFTR

Prof. K. Prabhakara Rao
MSc Placement Coordinator
Department of Chemistry
School of Applied Science and Humanities
VSFTR

- **Representative photos from the visit:**



- **List of students participated in the industrial visit**

M. Sc. Chemistry

Sl. No.	Registration No.	Name
1	221FS01001	CHUNDURI VENKATA GAYATHRI
2	221FS01002	GORIKAPUDI AMULYA
3	221FS01004	VARAPARLA JASMIN
4	221FS01005	DAGGULA SANDHYA
5	221FS01006	KADARI LAVANYA
6	221FS01007	KARUMANCHI RAMYA
7	221FS01008	KASIREDDY SUNITHA
8	221FS01009	NANDAM VANDANA
9	221FS01010	KOMMANABOYINA SRAVANI PRIYA
10	221FS01012	ANGAJALA YESESWINI
11	221FS01013	PAPIREDDY VENKATA JEEVITHA REDDY
12	221FS01014	RAMISETTI INDRANI
13	221FS01015	KUNAPA REDDY RUPENDRA SAI
14	221FS01016	SHAIK KHAJA KIJAR
15	221FS01017	DASARI ANJANI

Prof. D. Nagaraju
M. Sc. Placement Coordinator
Department of Chemistry
School of Applied Science and Humanities
VSFTR


Prof. K. Prabhakara Rao
MSC Placement Coordinator
Department of Chemistry
School of Applied Science and Humanities
VSFTR

M. Sc. Organic Chemistry

Sl. No.	Registration No.	Name
1	221FS02001	PADAVALA RAJA VENKATA SRINIVAS
2	221FS02002	VAKKALAGADDA SASI KUMAR
3	221FS02003	PALLAPU SASIKALA
4	221FS02004	SHAIK SARDAR JANI
5	221FS02005	GAMIDI GANESH
6	221FS02006	KODAVALI JAISHNAVI
7	221FS02007	KORITALA GOPI
8	221FS02008	CHENNAMSETTY SRINIVAS
9	221FS02010	RAMINENI SUNIL
10	221FS02011	PANGA NANDINI
11	221FS02012	SHAIK CHINNA BASHA
12	221FS02013	SIRREDDY CHANDRA SEKHAR REDDY
13	221FS02014	CHENNAKESAVULA GAYATHRI
14	221FS02016	AKULA SUDHEER
15	221FS02017	GARIDI DHANUSH
16	221FS02019	PITTALA VINOD KUMAR
17	221FS02021	VENNAPUSA VAMSI KRISHNA REDDY
18	221FS02022	SAGINALA VIJAYA LAKSHMI
19	221FS02023	MUDAVARUPU HRUSHIKESH KUMAR
20	221FS02024	SHAIK MOHAMMAD RASOOL
21	221FS02025	MADDIKUNTLA VENKATA KASAI AH
22	221FS02026	KANCHI DURGA SASI KUMAR
23	221FS02027	MANCHI VENKATASAIKRISHNA
24	221FS02028	GOLLAMUDI MOUNIKA
25	221FS02029	BRUGUBANDA PRASANNA LAKSHMI



Prof. D. Nagaraju
M. Sc. Placement Coordinator
Department of Chemistry
School of Applied Science and Humanities
VSFTR



Prof. K. Prabhakara Rao
MSC Placement Coordinator
Department of Chemistry
School of Applied Science and Humanities
VSFTR

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Department of Chemistry
List of students involved in internship and major projects

M. Sc. Chemistry

Sl. No.	Registration No.	Name
1.	201FS01011	Nissitha Pabathini
2.	211FS01001	Angirekula Kusuma Lakshmi
3.	211FS01002	Annapureddy Sravani
4.	211FS01006	Dhulipala Sri Lakshmi
5.	211FS01010	Mekala Anusha
6.	211FS01011	Mogasati Sailaja
7.	211FS01013	Pammi Madhavi
8.	211FS01015	Pilli Ashok Kumar
9.	211FS01018	Shaik Rizmi
10.	211FS01019	Shaik Ruksana
11.	211FS01022	Suravaram Siva Lakshmi
12.	211FS01023	Vankayalapati Swapna
13.	211FS01029	Nagalla Bhagya Jyothi
14.	211FS01030	Vangala Vamsi Krishna Reddy
15.	211FS01035	Gokavarapu Alekhya
16.	211FS01037	Mopidevi Sai Rupa
17.	211FS01042	Anumula Lavanya
18.	211FS01043	Gogireddy Navya
19.	211FS01045	Jaggavarapu Divya
20.	211FS01046	Neelam Lakshmi Keerthi
21.	211FS01048	Nekkalapudi Deepthi

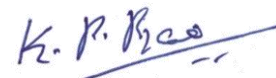
M. Sc. Organic Chemistry

Sl. No.	Registration No.	Name
1.	211FS01003	Bandi Naga Vasanth
2.	211FS01004	Bheemavarapu Madhu
3.	211FS01005	Challa Tejeswar Reddy
4.	211FS01007	Eda Vaman Reddy
5.	211FS01008	Gadde Ramya
6.	211FS01009	Marepalli Sri Vardhani
7.	211FS01012	Mutte Nagadurga
8.	211FS01014	Patan Munthaz

9.	211FS01016	Sanampudi Venkata Siva Reddy
10.	211FS01017	Shaik Mushraf
11.	211FS01020	Shaik Siddaiah
12.	211FS01021	Simhadri Adithya Vardhini
13.	211FS01024	Nadendla Lakshmi Hamsika
14.	211FS01025	Parimi Jagadeesh Kumar
15.	211FS01026	Tirumalasetty Vijaya Lakshmi
16.	211FS01027	Kalluri Samarasimha Reddy
17.	211FS01028	Dudekula Saida Vali
18.	211FS01031	Chinthala Ravi Shankar
19.	211FS01033	Kandukuri Tejaswi
20.	211FS01036	Kola Dhanalakshmi
21.	211FS01039	Onteddu Maha Lakshmi
22.	211FS01044	Shaik Shareef
23.	211FS01047	Syamla Anjali



Prof. D. Nagaraju
Department of Chemistry
School of Applied Science and Humanities
VSFTR



Prof. K. Prabhakara Rao
HoD, Department of Chemistry
School of Applied Science and Humanities
VSFTR



VIGNAN'S

Foundation for Science, Technology & Research
(Deemed to be University)

-Estb. with 2 of USC Act 1956

CERTIFICATE

This is to certify that the major Project Report entitled: **“SYNTHESIS OF POLYMERIC BIO NANO COMPOSITE FILMS FOR REMOVAL OF SAFRANIN-O DYE FROM WASTE WATER.”** submitted by – **SYAMALA. ANJALI** to the Vignan's Foundation for Science, Technology & Research (Deemed to be University), Vadlamudi towards partial fulfillment of the requirements for the award of the Master of Science in Chemistry is a bonafide record of the work carried out by them under my supervision and guidance.

Guide details along with signature: *S. Sengupta*

Signature of Head of the Department/Division Head:

K. P. Rao

Signature of External Examiner *[Signature]*