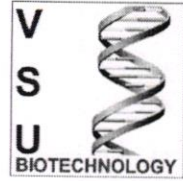




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## C E R T I F I C A T E

This is to certify that this project dissertation entitled “**Isolation and Extraction of Pigment Producing Bacteria from Marine Sources**” submitted by **Ayitha Venkata Devika** (Regd. No: **200407001001**) in partial fulfillment for the degree of **M.Sc. Biotechnology** in 2021-22, Department of Biotechnology, University College, Vikrama Simhapuri University, Nellore is a bonafide work done under the guidance of **Prof. G. Vijaya Ananda Kumar Babu**, Department of Biotechnology, University College, Vikrama Simhapuri University, Nellore. This project dissertation has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

  
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## C E R T I F I C A T E

This is to certify that this project report entitled “*In vitro* generation of multiple shoots and roots in *Musa acuminata* (Grand Nain banana variety)” submitted by **Mr. B. Poorna Chandar** (Regd. No: 200407001003) in partial fulfillment for the degree of **Master of Science in Biotechnology**, Department of Biotechnology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance and supervision. This project has not formed the basis for the award of any other Degree, Diploma, Associateship or Fellowship.

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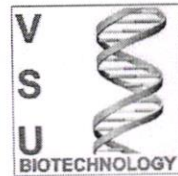


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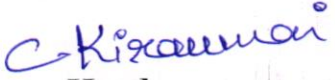
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## CERTIFICATE

This is to certify that this project report entitled “**Retrospective Analysis of Second-line Drugs Resistance Mutations in MDR Mycobacterium tuberculosis isolates using GenoType MTBDRsl version 2.0**” submitted by **Mr. Chanja Bhanu Prakash** (Regd. No: 200407001004) in partial fulfillment for the degree of **Master of Science in Biotechnology**, Department of Biotechnology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance and supervision. This project has not formed the basis for the award of any others Degree, Diploma, Associateship or Fellowship.

  
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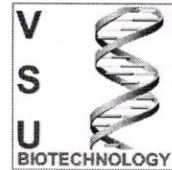


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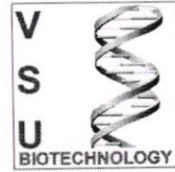
This is to certify that this project report entitled “**Qualitative detection of GMO and NON-GMO rice / soybean in plant matrix by REAL TIME - PCR**” submitted by **Mrs. D. Madhavi** (Regd. No: 200407001005) in partial fulfillment for the degree of **Master of Science in Biotechnology**, Department of Biotechnology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance and supervision. This project has not formed the basis for the award of any other Degree, Diploma, Associateship or Fellowship.

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**C E R T I F I C A T E**

This is to certify that this project report entitled “*Vitellogenesis in mud crab, Scylla serrata: role of retinoids and Ecdysteroids*” submitted by **Mrs. D. Anusha** (Regd. No: 200407001007) in partial fulfillment for the degree of **Master of Science in Biotechnology**, Department of Biotechnology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance and supervision. This project has not formed the basis for the award of any other Degree, Diploma, Associateship or Fellowship.

  
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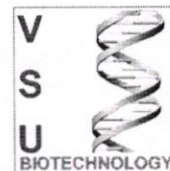


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## CERTIFICATE

This is to certify that this project report entitled “**Characterisation of phytase producing bacteria isolated from soil**” submitted by **Mr. Golla Prudviraj** (Regd. No: 200407001008) in partial fulfillment for the degree of **Master of Science in Biotechnology**, Department of Biotechnology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance and supervision. This project has not formed the basis for the award of any other Degree, Diploma, Associateship or Fellowship.

**Supervisor**

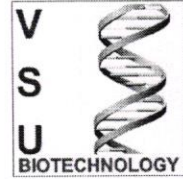
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## CERTIFICATE

This is to certify that this project dissertation entitled “**Isolation and Extraction of Yellow Pigment from Marine Bacteria**” submitted by **Maddala Hima Bindu (Regd. No: 200407001009)** in partial fulfillment for the degree of **M.Sc. Biotechnology** in 2021-22, Department of Biotechnology, University College, Vikrama Simhapuri University, Nellore is a bonafide work done under the guidance of **Prof. G. Vijaya Ananda Kumar Babu**, Department of Biotechnology, University College, Vikrama Simhapuri University, Nellore. This project dissertation has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

  
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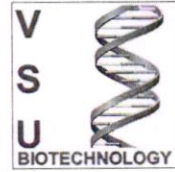


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## CERTIFICATE

This is to certify that this project report entitled “**Examination of genetic diversity among *Coleus* species by RAPD using OPD-2 and OPC-2 primers**” submitted by **Mr. K. Jnanaprasad** (Regd. No: 200407001010) in partial fulfillment for the degree of **Master of Science in Biotechnology**, Department of Biotechnology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance and supervision. This project has not formed the basis for the award of any other Degree, Diploma, Associateship or Fellowship.

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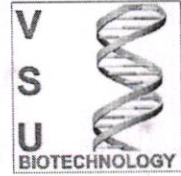


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## CERTIFICATE

This is to certify that this project report entitled “Prevalence of Polycystic Ovarian Syndrome Associated Complications Among Females in SPSR Nellore District, Andhra Pradesh” submitted by **Ms. Katari Udayini Munuswamy** (Regd. No: 200407001011) in partial fulfillment for the degree of **Master of Science in Biotechnology**, Department of Biotechnology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance and supervision. This project has not formed the basis for the award of any others Degree, Diploma, Associateship or Fellowship.

  
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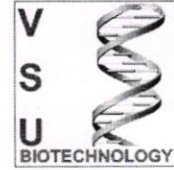


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### C E R T I F I C A T E

This is to certify that this project report entitled “**Microbiological Techniques for the Analysis of Drinking water**” submitted by **Mrs. K. Sravanthi** (Regd. No:200407001012) in partial fulfillment for the degree of **Master of Science in Biotechnology**, Department of Biotechnology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance and supervision. This project has not formed the basis for the award of any other Degree, Diploma, Associateship or Fellowship.

*G. Mary Sandeep*

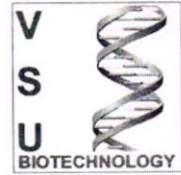
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## CERTIFICATE

This is to certify that this project report entitled "Isolation and identification of Probiotic Bacterial from sand lobster *Thenus orientalis*" submitted by **Mr Konda Maneesha** (Regd. No: 200407001013) in partial fulfillment for the degree of **Master of Science in Biotechnology**, Department of Biotechnology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance and supervision. This project has not formed the basis for the award of any others Degree, Diploma, Associateship or Fellowship.

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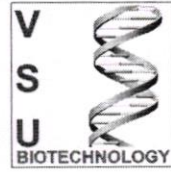


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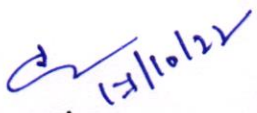
*College of Science & Technology*

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## CERTIFICATE

This is to certify that this project report entitled “**Effect of arsenic on the expression of selected digestive genes in *Pila globosa***” submitted by Mrs. M. Ramya (Regd. No: 200407001014) in partial fulfillment for the degree of **Master of Science in Biotechnology**, Department of Biotechnology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance and supervision. This project has not formed the basis for the award of any other Degree, Diploma, Associateship or Fellowship.

  
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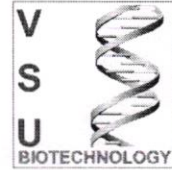


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## C E R T I F I C A T E

This is to certify that this project report entitled “**Production of Bacillus probiotic**” submitted by **Mrs. Nagalla Sahithi priya** (Regd. No: 200407001015) in partial fulfillment for the degree of **Master of Science in Biotechnology**, Department of Biotechnology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance and supervision. This project has not formed the basis for the award of any other Degree, Diploma, Associateship or Fellowship.

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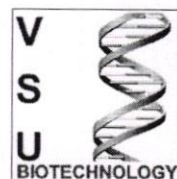


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## C E R T I F I C A T E

This is to certify that this project dissertation entitled “**Isolation and Identification of Zoonotic Bacteria from Rats Captured in Rural Areas of Nellore District**” submitted by **Nalabolu Kalyan Kumar (Regd. No: 200407001016)** in partial fulfillment for the degree of **M.Sc. Biotechnology** in 2021-22, Department of Biotechnology, University College, Vikrama Simhapuri University, Nellore is a bonafide work done under the guidance of **Prof. G. Vijaya Ananda Kumar Babu**, Department of Biotechnology, University College, Vikrama Simhapuri University, Nellore. This project dissertation has not formed the basis for the award of any other degree, diploma, associateship or fellowship.



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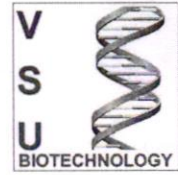


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### CERTIFICATE

This is to certify that this project report entitled “*Examination of Spinacia oleracea* vegetative growth by different parameters in hydroponics through Nutrient Film Technique (NFT)” submitted by Ms. S. Sri Sai Nithya (Regd. No: 200407001017) in partial fulfillment for the degree of **Master of Science in Biotechnology**, Department of Biotechnology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance and supervision. This project has not formed the basis for the award of any other Degree, Diploma, Associateship or Fellowship.

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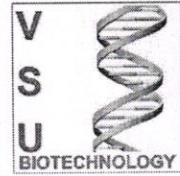


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**C E R T I F I C A T E**

This is to certify that this project report entitled “**Evaluation of Quality of Water for Pharmaceutical Usages**” submitted by **Ms. Sridharamalle Ushabala** (Regd. No: **200407001018**) in partial fulfillment for the degree of **Master of Science in Biotechnology**, Department of Biotechnology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance and supervision. This project has not formed the basis for the award of any others Degree, Diploma, Associateship or Fellowship.

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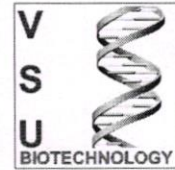


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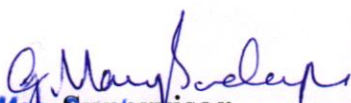
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## C E R T I F I C A T E

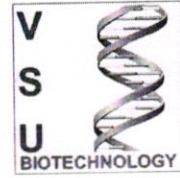
This is to certify that this project report entitled “**Development of Probiotic Saccharomyces Boulardis solid-substrate fermentation using a cheap source**” submitted by **Mr. SD. Shoyab Khadeer** (Regd. No: 200407001019) in partial fulfillment for the degree of **Master of Science in Biotechnology**, Department of Biotechnology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance and supervision. This project has not formed the basis for the award of any other Degree, Diploma, Associateship or Fellowship.

  
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## CERTIFICATE

This is to certify that this project report entitled “Biometric and Electrophoretic studies of grouper species of genus *Epinephelus* (Family: Serranidae) from the middle east coast of India” submitted by **Mr Thathapudi Prince Rufus** (Regd. No: 200407001020) in partial fulfillment for the degree of **Master of Science in Biotechnology**, Department of Biotechnology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance and supervision. This project has not formed the basis for the award of any others Degree, Diploma, Associateship or Fellowship.

  
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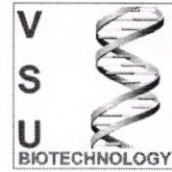


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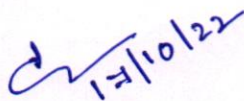
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## C E R T I F I C A T E

This is to certify that this project report entitled “**Effect of PFOA on the expression levels of steroidogenic genes in prepubertal rats: in vivo and in silico approaches**” submitted by **Mrs. U. Sonia** (Regd. No: 200407001023) in partial fulfillment for the degree of **Master of Science in Biotechnology**, Department of Biotechnology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance and supervision. This project has not formed the basis for the award of any other Degree, Diploma, Associateship or Fellowship.

  
17/10/22

**Supervisor**

**Dr.S.B.Sainath**, Ph.D.  
Assistant Professor  
Department of Biotechnology  
Vikrama Simhapuri University  
NELLORE-524 001, A.P., INDIA.



**Head**

**HEAD**

Department of Biotechnology  
College of Science & Technology  
VIKRAMA SIMHAPURI UNIVERSITY  
NELLORE - 524 601. A.P. INDIA.

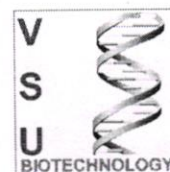


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Nellore - 524 324, Andhra Pradesh, India

*College of Science & Technology*

**DEPARTMENT OF BIOTECHNOLOGY**



## CERTIFICATE

This is to certify that this project report entitled "**Characterization of proteolytic bacterium isolated from soil**" submitted by **Mrs. Ukku Yamini** (Regd. No: 200407001024) in partial fulfillment for the degree of **Master of Science in Biotechnology**, Department of Biotechnology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance and supervision. This project has not formed the basis for the award of any other Degree, Diploma, Associateship or Fellowship.

**Supervisor**

**Dr. K. Vidya Prabhakar, M.Tech., Ph.D. (MT-KO)**  
**Assistant Professor**  
**Department of Biotechnology**  
**Vikrama Simhapuri University**  
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**Head**

**HEAD**  
**Department of Biotechnology**  
**College of Science & Technology**  
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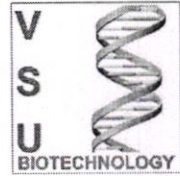


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*College of Science & Technology*

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## CERTIFICATE

This is to certify that this project report entitled "A Case Study on Diagnosis and Treatment of Cervical Lymphadenopathy" submitted by Ms. Vallepu Hasini (Regd. No: 200407001025) in partial fulfillment for the degree of **Master of Science in Biotechnology**, Department of Biotechnology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance and supervision. This project has not formed the basis for the award of any others Degree, Diploma, Associateship or Fellowship.

Supervisor

**Dr. UDAY SANKAR ALLAM**

M.Sc., (IARI), Ph.D., (IISc), PDF (UMich-USA)

Assistant Professor

Department of Biotechnology

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Department of Biotechnology

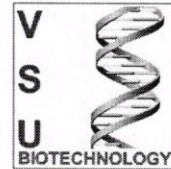
College of Science & Technology

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NELLORE - 524 301. A.P. INDIA.




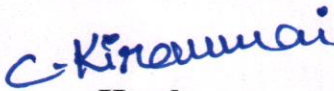
**VIKRAMA SIMHAPURI UNIVERSITY**  
Nellore - 524 324, Andhra Pradesh, India  
*College of Science & Technology*  
**DEPARTMENT OF BIOTECHNOLOGY**



## CERTIFICATE

This is to certify that this project report entitled “**Review of Probiotics in Cancer Therapy**” submitted by **Mrs. M. Geetha** (Regd. No: 200407001027) in partial fulfillment for the degree of **Master of Science in Biotechnology**, Department of Biotechnology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance and supervision. This project has not formed the basis for the award of any other Degree, Diploma, Associateship or Fellowship.

  
**Dr. G. Mary Sandhya**, M.Sc., M.Phil., Ph.D  
**Supervisor**  
Assistant Professor  
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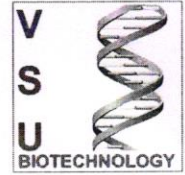


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College of Science & Technology

DEPARTMENT OF BIOTECHNOLOGY



### CERTIFICATE

This is to certify that this project report entitled “Biometric and Electrophoretic studies of grouper four species of genus *Cephalopholis* (Family: Serranidae)” submitted by **Miss Poluru Sree Keerthi** (Regd. No: 200407001028) in partial fulfillment for the degree of **Master of Science in Biotechnology**, Department of Biotechnology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance and supervision. This project has not formed the basis for the award of any others Degree, Diploma, Associateship or Fellowship.

*K. V. L. Shrikanya Rao*  
18/10/2022

**Supervisor**

**Dr. K.V.L. Shrikanya Rao**, M.Sc., M.Phil., Ph.D  
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*C. Kiranmai*

**Head**

**HEAD**

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College of Science & Technology  
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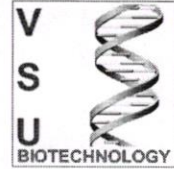


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*College of Science & Technology*

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## CERTIFICATE

This is to certify that this project report entitled “**Phenotypic and transcriptomic changes in liver tissue of adult zebrafish following carbendazim**” submitted by **Mrs. T. Charishma** (Regd. No: 200407001029) in partial fulfillment for the degree of **Master of Science in Biotechnology**, Department of Biotechnology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance and supervision. This project has not formed the basis for the award of any other Degree, Diploma, Associateship or Fellowship.

**Supervisor**

**Dr.S.B.Sainath**, Ph.D.  
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**Head**

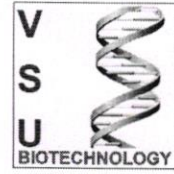
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**DEPARTMENT OF BIOTECHNOLOGY**



## CERTIFICATE

This is to certify that this project report entitled “**Characterization of cellulose producing bacterium isolated from soil**” submitted by **Mr. Gutam Avinash** (Regd. No: 200407001030) in partial fulfillment for the degree of **Master of Science in Biotechnology**, Department of Biotechnology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance and supervision. This project has not formed the basis for the award of any other Degree, Diploma, Associateship or Fellowship.

*K. Vidya Prabhakar*

**Supervisor**

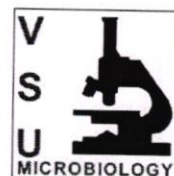
**Dr. K. Vidya Prabhakar, M.Tech., Ph.D. (IIT-KGP)**  
Assistant Professor  
Department of Biotechnology  
Vikrama Simhapuri University  
NELLORE - 524 001. A.P., INDIA

*C. Kiranmai*  
**Head**  
**HEAD**

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Nellore - 524 324, Andhra Pradesh, India  
University College  
**DEPARTMENT OF MICROBIOLOGY**



## C E R T I F I C A T E

This is to certify that this project dissertation entitled “**Antimicrobial Activity of Marine Pigmented Compounds Against Plant Pathogen *Colletotrichum Capsica***” submitted by **Alakunta Gurusai (Regd. No: 200410001001)** in partial fulfillment for the degree of **M.Sc. Microbiology** in 2021-22, Department of Microbiology, University College, Vikrama Simhapuri University, Nellore is a bonafide work done under the guidance of **Prof. G. Vijaya Ananda Kumar Babu**, Department of Biotechnology, University College, Vikrama Simhapuri University, Nellore. This project dissertation has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

  
SUPERVISOR

**Dr. G. Vijaya Ananda Kumar Babu**  
Professor  
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*College of Science & Technology*

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## C E R T I F I C A T E

This is to certify that this project report entitled “**Multiple shoot and root induction in *Musa acuminata* (Red banana variety) an important horticulture crop**” submitted by **Ms. A. Marina Evangelin** (Regd. No: 200410001002) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

*C. Kiranma*

**Supervisor**

**Dr.CHADIPIRALLA KIRANMA,**  
Assistant Professor  
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*[Signature]*  
**Head**  
**HEAD**

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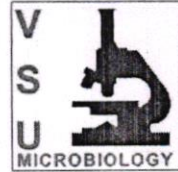


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## CERTIFICATE

This is to certify that this project report entitled "**Isolation and Characterization of Endophytic Fungi**" submitted by **Mr. Bandi Naveen** (Regd. No: 200410001003) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

**Supervisor**

**Dr. UDAY SANKAR ALLAM**

M.Sc., (IARI), Ph.D., (IISc), PDF (UMich-USA)

**Assistant Professor**

**Department of Biotechnology**

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**Head**

**HEAD**

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**NELLORE - 524 001. A.P. INDIA.**

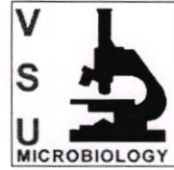


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*College of Science & Technology*

**DEPARTMENT OF MICROBIOLOGY**



## CERTIFICATE

This is to certify that this project report entitled “**Microbiological Technics for the Analysis of Drinking**” submitted by **Mr. B. Chandraiah** (Regd. No: 200410001004) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.



**Supervisor**

**Dr. G. Mary Sathya** M.Sc., M.Phil., Ph.D

**Assistant Professor**

**Department of Biotechnology**

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**Head**

**Department of Microbiology**  
**College of Science & Technology**  
**VIKRAMA SIMHAPURI UNIVERSITY**  
**NELLORE - 524 001. A.P. INDIA.**

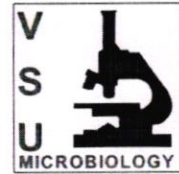


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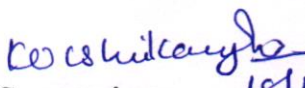
*College of Science & Technology*

DEPARTMENT OF MICROBIOLOGY



### C E R T I F I C A T E

This is to certify that this project report entitled “**Isolation and Characterization of intestinal microbiota from Sciaenid fish**” submitted by Miss **Chalamcharla Sravani** (Regd. No: 200410001005) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

  
Supervisor 18/10/2022

**Dr. K.V.L. Shrikanya Rao**, M.Sc., M.Phil., Ph.D  
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College of Science & Technology  
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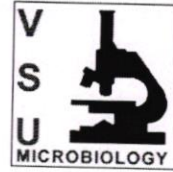


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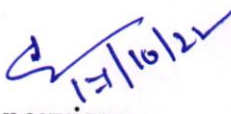
*College of Science & Technology*

**DEPARTMENT OF MICROBIOLOGY**



## C E R T I F I C A T E

This is to certify that this project report entitled “**Phenol degradation efficacy of soil microorganism, *Ralstonia pickettii***” submitted by **Mrs. Ch. Mounika** (Regd. No: 200410001006) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

  
**Supervisor**

**Dr.S.B.Sainath, Ph.D.**  
Assistant Professor  
Department of Biotechnology  
Vikrama Simhapuri University  
NELLORE-524 001, A.P, INDIA.

  
**Head**

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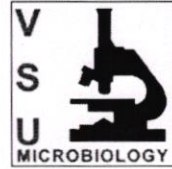


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Nellore - 524 324, Andhra Pradesh, India

*College of Science & Technology*

**DEPARTMENT OF MICROBIOLOGY**



## C E R T I F I C A T E

This is to certify that this project report entitled "Analysis of lactase enzyme production" submitted by **Mr. Chinthagunta Divya** (Regd. No: 200410001007) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

*K. Vidya Prabhakar*

**Supervisor**

**Dr. K. Vidya Prabhakar, M.Tech., Ph.D. (BT-KGP)**  
Assistant Professor  
Department of Biotechnology  
Vikrama Simhapuri University  
NELLORE - 524 001, A.P., INDIA

*[Signature]*

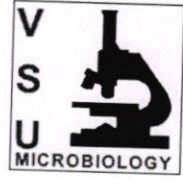
**Head**

Department of Microbiology  
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**VIKRAMA SIMHAPURI UNIVERSITY**  
Nellore - 524 324, Andhra Pradesh, India  
University College  
**DEPARTMENT OF MICROBIOLOGY**



## CERTIFICATE

This is to certify that this project dissertation entitled “**Isolation and Characterization of Fungal Strains from Different Marine Samples**” submitted by **Chitteti Venkataramanaiah (Regd. No: 200410001008)** in partial fulfillment for the degree of **M.Sc. Microbiology** in 2021-22, Department of Microbiology, University College, Vikrama Simhapuri University, Nellore is a bonafide work done under the guidance of **Prof. G. Vijaya Ananda Kumar Babu**, Department of Biotechnology, University College, Vikrama Simhapuri University, Nellore. This project dissertation has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

  
**SUPERVISOR**

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**HEAD**

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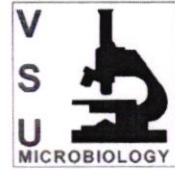


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Nellore - 524 324, Andhra Pradesh, India

*College of Science & Technology*

**DEPARTMENT OF MICROBIOLOGY**



## CERTIFICATE

This is to certify that this project report entitled “**Quantitative Analysis of vegetative growth of *Amaranthus cruentus* in hydroponics through Nutrient Film Technique (NFT)**” submitted by **Ms. G. Swaroopa** (Regd. No: 200410001009) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

*C. Kiranmai*  
Supervisor

**Dr. CHADIPIRALLA KIRANMAI**  
Assistant Professor  
Department of Biotechnology  
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*[Signature]*  
Head  
HEAD

Department of Microbiology  
College of Science & Technology  
VIKRAMA SIMHAPURI UNIVERSITY  
NELLORE - 524 001. A.P. INDIA.

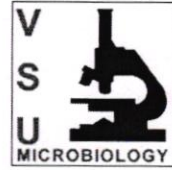


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DEPARTMENT OF MICROBIOLOGY



### CERTIFICATE

This is to certify that this project report entitled “**Isolation and identification of Bacterial microflora from of two marine crabs of family Portunidae (P pelagicus and P sanguinolentus)**” submitted by **Mr. Kamalapuram Nagesh** (Regd. No: 200410001011) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

**Supervisor**

**Dr. K.V.L. Shrikanya Rao**, M.Sc., M.Phil., Ph.D  
Assistant Professor  
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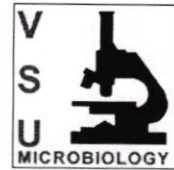


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Nellore - 524 324, Andhra Pradesh, India

*College of Science & Technology*

**DEPARTMENT OF MICROBIOLOGY**



## CERTIFICATE

This is to certify that this project report entitled “**Phytochemical analysis and antimicrobial activity of *Muntingia calabura***” submitted by **Mr. L. Sreenivasulu** (Regd. No: 200410001012) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

  
Supervisor

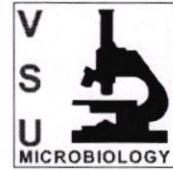
**Dr.S.B.Sainath, Ph.D.**  
Assistant Professor  
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Head

**HEAD**  
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UNIVERSITY**  
Nellore - 524 324, Andhra Pradesh, India  
*College of Science & Technology*  
**DEPARTMENT OF MICROBIOLOGY**



## C E R T I F I C A T E

This is to certify that this project report entitled “**Screening of cellulase producing micro-organism**” submitted by **Mr. Malle Praveen** (Regd. No: 200410001013) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

**Supervisor**

**Dr. K. Vidya Prabhakar, M.Tech., Ph.D. (BT-KAP)**  
**Assistant Professor**  
**Department of Biotechnology**  
**Vikrama Simhapuri University**  
**NELLORE - 524 001, A.P., INDIA**

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**NELLORE - 524 001. A.P. INDIA.**

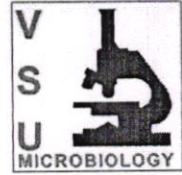


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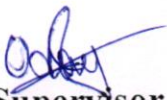
*College of Science & Technology*

DEPARTMENT OF MICROBIOLOGY



## CERTIFICATE

This is to certify that this project report entitled “**A Case Study of Primary Myelofibrosis: Review of Clinical and Pathological Features and Treatment**” submitted by **Mr. Mathangi Hari Babu** (Regd. No: **200410001014**) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

  
Supervisor

**Dr. UDAY SANKAR ALLAM**

M.Sc., (IARI), Ph.D., (IISc), PDF (UMich-USA)

Assistant Professor

Department of **Biotechnology**  
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Head

HEAD

Department of Microbiology  
College of Science & Technology  
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NELLORE - 524 001. A.P. INDIA

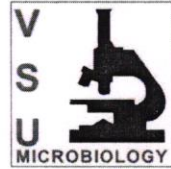


## VIKRAMA SIMHAPURI UNIVERSITY

Nellore - 524 324, Andhra Pradesh, India

*College of Science & Technology*

DEPARTMENT OF MICROBIOLOGY



### CERTIFICATE

This is to certify that this project report entitled “**In vitro propagation of *Musa* (Elachi variety) a well known commercial crop by multiple shoot and root generation**” submitted by **Ms. N. Mary Vennela** (Regd. No: 200410001015) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

*C. Kiranmai*

Supervisor

**Dr. CHADIPIRALLA KIRANMAI**

Assistant Professor

Department of Biotechnology

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Head

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VIKRAMA SIMHAPURI UNIVERSITY  
NELLORE - 524 001, A.P. INDIA

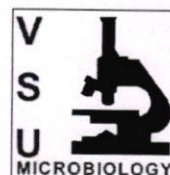


## VIKRAMA SIMHAPURI UNIVERSITY

Nellore - 524 324, Andhra Pradesh, India

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DEPARTMENT OF MICROBIOLOGY



### C E R T I F I C A T E

This is to certify that this project dissertation entitled “**Isolation and Characterization of Bioactive Compound-Producing Marine Bacterial species Against *Fusarium oxysporum***” submitted by **Mangalapuri Kavitha (Regd. No: 200410001016)** in partial fulfillment for the degree of **M.Sc. Microbiology** in 2021-22, Department of Microbiology, University College, Vikrama Simhapuri University, Nellore is a bonafide work done under the guidance of **Prof. G. Vijaya Ananda Kumar Babu**, Department of Biotechnology, University College, Vikrama Simhapuri University, Nellore. This project dissertation has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

  
SUPERVISOR

**Dr. G. Vijaya Ananda Kumar Babu**  
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College of Science & Technology  
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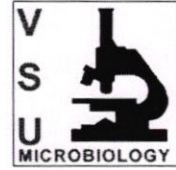


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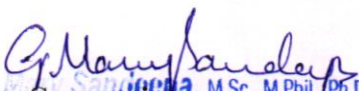
*College of Science & Technology*


**DEPARTMENT OF MICROBIOLOGY**



## CERTIFICATE

This is to certify that this project report entitled “**Development of Probiotic Saccharomyces Boulardii by Solid-Substrate fermentation using a cheap source**” submitted by **Mr. N. Chanti** (Regd. No: 200410001017) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

  
Dr. G. Manjinder, M.Sc., M.Phil., Ph.D  
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Assistant Professor  
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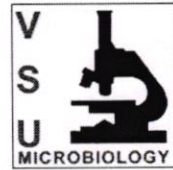


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Nellore - 524 324, Andhra Pradesh, India

College of Science & Technology

DEPARTMENT OF MICROBIOLOGY



### CERTIFICATE

This is to certify that this project report entitled “A Review on Bioactive compounds from Elasmobranchs” submitted by Mr. Naveen Konduru (Regd. No: 200410001018) in partial fulfillment for the degree of Master of Science in Microbiology, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

*K.V.L. Shrikanya Rao*  
18/10/2022  
Supervisor

**Dr. K.V.L. Shrikanya Rao**, M.Sc., M.Phil., Ph.D  
Assistant Professor  
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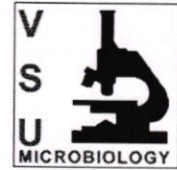


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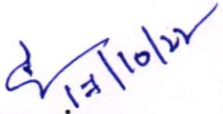
*College of Science & Technology*

**DEPARTMENT OF MICROBIOLOGY**



## CERTIFICATE

This is to certify that this project report entitled “**Role of lipoic acid genes to protect *Deinococcus radiodurans* against Radiation**” submitted by **Mr. N. Siva Sankar** (Regd. No:200410001019) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

  
**Supervisor**

**Dr.S.B.Sainath, Ph.D.**  
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**Head**

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College of Science & Technology  
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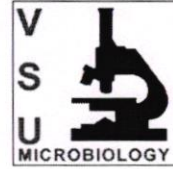


**VIKRAMA SIMHAPURI UNIVERSITY**

Nellore - 524 324, Andhra Pradesh, India

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**DEPARTMENT OF MICROBIOLOGY**




## C E R T I F I C A T E

This is to certify that this project report entitled “**Characterization of Lignocellulose degrading enzyme in soil**” submitted by **Mr. Palla Praveen Kumar** (Regd. No: 200410001020) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

  
Supervisor

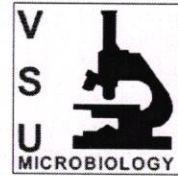
**Dr. K. Vidya Prabhakar, M.Tech., Ph.D. (MT-KGP)**  
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Head

**HEAD**  
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College of Science & Technology  
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University College  
**DEPARTMENT OF MICROBIOLOGY**



## C E R T I F I C A T E

This is to certify that this project dissertation entitled “**Isolation and Characterization of *Streptomyces* species from Soil Samples and Its Antimicrobial Activity Assessment**” submitted by **Pigilam Sireesha (Regd. No: 200410001021)** in partial fulfillment for the degree of **M.Sc. Microbiology** in 2021-22, Department of Microbiology, University College, Vikrama Simhapuri University, Nellore is a bonafide work done under the guidance of **Prof. G. Vijaya Ananda Kumar Babu**, Department of Biotechnology, University College, Vikrama Simhapuri University, Nellore. This project dissertation has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

  
**SUPERVISOR**

**Dr. G. Vijaya Ananda Kumar Babu**  
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*College of Science & Technology*

**DEPARTMENT OF MICROBIOLOGY**



## C E R T I F I C A T E

This is to certify that this project report entitled “**Study of various growth parameters of *Solanum lycopersicum* in hydroponics using Nutrient Film Technique (NFT)**” submitted by **Ms. Punabaka Sindhu** (Regd. No: 200410001022) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

*C. Kiranmai*

**Supervisor .**

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**Head**

**HEAD**

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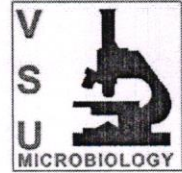


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## CERTIFICATE

This is to certify that this project report entitled “**Isolation of Bacillus Species and It's Application of Plant Growth**” submitted by **Ms. Thathapudi Sasya** (Regd. No: **200410001023**) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

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**HEAD**

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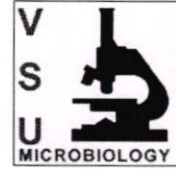


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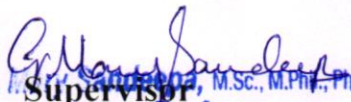
*College of Science & Technology*

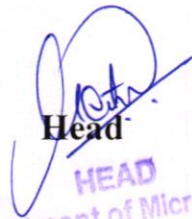
**DEPARTMENT OF MICROBIOLOGY**



## CERTIFICATE

This is to certify that this project report entitled “**A review on Probiotics**” submitted by **Mr. Thondu Kalyan** (Regd. No: 200410001024) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

  
Dr. G. M. S. Srinivasulu Reddy, M.Sc., M.Phil., Ph.D  
**Supervisor**  
Assistant Professor  
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Kakatur, SPSR Nellore - 524320. A.P. INDIA

  
**Head**  
HEAD  
Department of Microbiology  
College of Science & Technology  
VIKRAMA SIMHAPURI UNIVERSITY  
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**VIKRAMA SIMHAPURI UNIVERSITY**

Nellore - 524 324, Andhra Pradesh, India

*College of Science & Technology*

**DEPARTMENT OF MICROBIOLOGY**



## CERTIFICATE

This is to certify that this project report entitled “**Isolation and Partial Characterization of Gut Microbiota of Snapper fish (Family: Lutjanidae) and their role in aquaculture**” submitted by **Miss Veerla Venkata Lakshmi Vasuki** (Regd. No: 200410001025) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

*K.V.S. Shrikanya Rao*  
18/10/2022  
Supervisor

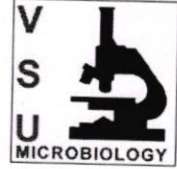
**Dr. K.V.L. Shrikanya Rao**, M.Sc., M.Phil., Ph.D  
Assistant Professor  
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Chakur, SPSR Nellore - 524320 A.P. INDIA

*[Signature]*  
Head  
HEAD

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VIKRAMA SIMHAPURI UNIVERSITY  
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Nellore - 524 324, Andhra Pradesh, India  
*College of Science & Technology*  
**DEPARTMENT OF MICROBIOLOGY**



## CERTIFICATE

This is to certify that this project report entitled "**Identification of drug targets in *Coxiella burnetti* using in silico analysis**" submitted by **Mrs. Y. Sandhya** (Regd. No: 200410001026) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

**Supervisor**

**Dr.S.B.Sainath, Ph.D.**  
Assistant Professor  
Department of Biotechnology  
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**Head**

**HEAD**  
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NELLORE - 524 001. A.P. INDIA.

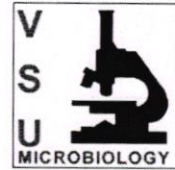


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Nellore - 524 324, Andhra Pradesh, India

*College of Science & Technology*

**DEPARTMENT OF MICROBIOLOGY**



## CERTIFICATE

This is to certify that this project report entitled “**Analysis of microbial production of amylase**” submitted by **Mr. Gutti Alekhya** (Regd. No: 200410001027) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

*K. Vidya Prabhakar*

**Supervisor**

**M. Sc. M. Tech. Ph.D. (BT-KSP)**

**Assistant Professor**

**Department of Biotechnology**

**Vikrama Simhapuri University**

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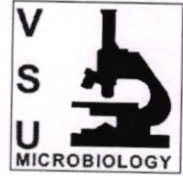
*[Signature]*

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**Department of Microbiology**  
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**NELLORE - 524 001. A.P. INDIA**



**VIKRAMA SIMHAPURI UNIVERSITY**  
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**DEPARTMENT OF MICROBIOLOGY**



## C E R T I F I C A T E

This is to certify that this project dissertation entitled “**Isolation and Screening of Actinobacteria and Its Antimicrobial Activity**” submitted by **Patan Ruheen (Regd. No: 200410001028)** in partial fulfillment for the degree of **M.Sc. Microbiology** in 2021-22, Department of Microbiology, University College, Vikrama Simhapuri University, Nellore is a bonafide work done under the guidance of **Prof. G. Vijaya Ananda Kumar Babu**, Department of Biotechnology, University College, Vikrama Simhapuri University, Nellore. This project dissertation has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

  
SUPERVISOR

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**VIKRAMA SIMHAPURI UNIVERSITY**

Nellore - 524 324, Andhra Pradesh, India  
College of Science & Technology  
**DEPARTMENT OF MICROBIOLOGY**



## C E R T I F I C A T E

This is to certify that this project report entitled “Comparison of different growth parameters of *Amaranthus viridis* in hydroponics by Nutrient Film Technique (NFT)” submitted by **Ms. Sk. Apsana** (Regd. No: 200410001029) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

*C. Kiranma*  
**Supervisor**

**Dr.CHADIPIRALLA KIRANMA.**  
Assistant Professor  
Department of Biotechnology  
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**College of Science & Technology**  
**VIKRAMA SIMHAPURI UNIVERSITY**  
**NELLORE - 524 001. A.P. INDIA.**

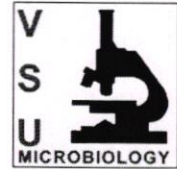


**VIKRAMA SIMHAPURI UNIVERSITY**

Nellore - 524 324, Andhra Pradesh, India


*College of Science & Technology*


**DEPARTMENT OF MICROBIOLOGY**



## C E R T I F I C A T E

This is to certify that this project report entitled “**Qualitative Detection of Gmo / non Gmo in Rice and Soyabean Matrix by Real Time PCR**” submitted by **Mrs. J. Mounika** (Regd. No: 200410001030) in partial fulfillment for the degree of **Master of Science in Microbiology**, Department of Microbiology, College of Science & Technology, Vikrama Simhapuri University, Nellore is a bonafide work done under my guidance. This project has not formed the basis for the award of any other degree, diploma, associateship or fellowship.

  
**Dr. G. Mary Sandeepa, M.Sc., M.Phil., Ph.D**  
**Supervisor**  
Assistant Professor  
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**HEAD**  
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College of Science & Technology  
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NELLORE



This is to certify that this in-plant training in **Kellogg India Pvt. Ltd** is a bonafied work of **M.ARUNA BLESSY**(Reg no.200416001001), in partial fulfilment of the requirements for the degree of **MASTER of SCIENCE in FOOD TECHNOLOGY** during the training period from 17/05/2022 to 02/07/2022.

*[Handwritten Signature]*  
EXTERNAL EXAMINER

*[Handwritten Signature]*  
**Dr.G.MARY SANDEEPA**  
HEAD  
Department of Food Technology  
College of Science & Technology  
VIKRAMA SIMHAPURI UNIVERSITY  
NELLORE - 524 001, A.P. INDIA.

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**A.JOHN PUSHPARAJ**  
Project Guide  
In department of  
food technology,  
VSU,Nellore

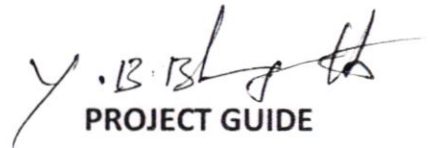
**CERTIFICATE**



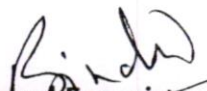
This is to certify that the project entitled " **QUALITY ASSURANCE AND PRODUCTION OF MILK AND MILK PRODUCTS** " is a record of Boniface individual work done by **BUDHIREDDY VENKATESH (200416001003)** under my direct supervision during the academic year **2020-2022** in the Food Technology Department, VIKRAMA SIMHAPURI UNIVERSITY

  
HEAD OF DEPARTMENT

**HEAD**  
Dr. G. Mary Sandeepa  
Department of Food Technology  
College of Science & Technology  
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PROJECT GUIDE

Dr. Y. B. Bhagath

  
External Examiner  
29/11/2022



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NELLORE



This is to certify that this in-plant training in **Kellogg India Pvt. Ltd** is a bonafied work of **D.RACHANA** (reg no.200416001005), in partial fulfilment of the requirements for the degree of **MASTER of SCIENCE in FOOD TECHNOLOGY** during the training period from 12/05/2022 to 02/07/2022.

*Rachana*  
28/07/2022  
EXTERNAL EXAMINER

*G. Mary Sandeepa*  
Dr G.MARY SANDEEPA  
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Head of the department,  
Department of Food Technology,  
College of Science & Technology,  
VIKRAMA SIMHAPURI UNIVERSITY  
Nellore  
NELLORE : 524 001, A.P. INDIA.

*J. Nagaraju*  
Dr J.NAGARAJU  
Project Guide  
In department of  
food technology,  
VSU, Nellore

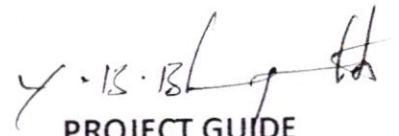
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This is to certify that the project entitled " **QUALITY ASSURANCE AND PRODUCTION OF SEA FOODS PRODUCTS** " is a record of Boniface individual work done by **GOCHIPATALA ABHISHEK (200416001006)** under my direct supervision during the academic year **2020-2022** in the Food Technology Department, **VIKRAMA SIMHAPURI UNIVERSITY**

  
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**Department of Food Technology**  
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Dr.YB BAGATH

  
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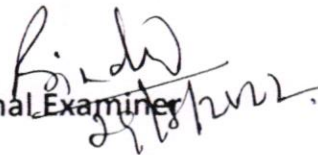
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Dr. J. NAGARAJU

  
External Examiner

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This is to certify that the project entitled "QUALITY ASSURANCE AND PRODUCTION OF NON-ALCOHOLIC BEVERAGES" is a record of Boniface individual work done by KAYALA DIVYA (200416001009) under my direct supervision during the academic year 2020- 2022 in the Food Technology Department, VIKRAMA SIMHAPURI UNIVERSITY

*G. Mary Sandeepa*  
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Dr. G. Mary Sandeepa

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*Y. B. Bhagath*  
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Dr. Y. B. Bhagath

*R. Sindhu*  
External Examiner  
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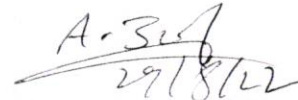
**MSC FOOD TECHNOLOGY**

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This is to certify that the project entitled "QUALITY CONTROL AND PRODUCTION OF WEANING FOOD AND SNACKS PRODUCTION" is a record of Bonafide work done by **KONDETI DIVYA** Reg No:(200416001010) submitted in partial fulfilment of the requirements for the award of Master of Science in Food Technology in the **VIKRAMA SIMHAPURI UNIVERSITY**

  
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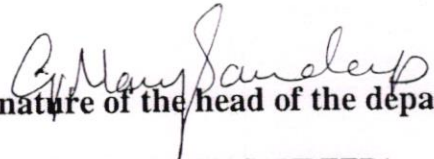
  
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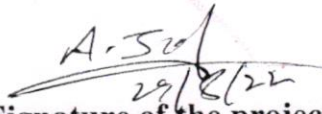
This is to certify **MALCHI VANDANA** bearing the Regd.No:200416001013 M.Sc Food Technology, **VIKRAMA SIMHAPURI UNIVERSITY** Andhra Pradesh has carried out the project work embodied in the present dissertation, entitled **“PRODUCTION AND QUALITY ASSURANCE OF NON- ALCOHOLIC CARBONATED AND NON-CARBONATED BEVERAGES IN (HINDUSTAN COCA-COLA BEVERAGES PRIVATE LIMITED)”** had submitted in the department of food technology carried out under my supervision

  
Signature of the head of the department

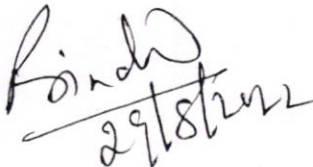
**Dr. G . MARY SANDEEPA  
HEAD**

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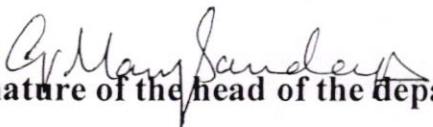
  
Signature of the project guide

**A. JOHN PUSHPA RAJ**

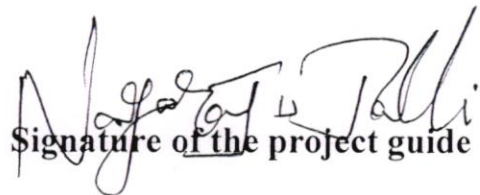
  
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This is to certify **NAKKA. SWAPNA** bearing the  
Regd.No:200416001014 M.Sc Food Technology, **VIKRAMA SIMHAPURI  
UNIVERSITY** Andhra Pradesh has carried out the project work embodied in the  
present dissertation, entitled “**PRODUCTION AND QUALITY ASSURANCE  
OF NON- ALCOHOLIC CARBONATED AND NON-CARBONATED  
BEVERAGES IN (HINDUSTAN COCA-COLA BEVERAGES PRIVATE  
LIMITED)**” had submitted in the department of food technology carried out under  
my supervision

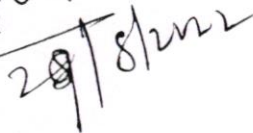
  
Signature of the head of the department

**Dr. G. MARYASANDEEPTA**  
HEAD  
Department of Food Technology  
College of Science & Technology  
VIKRAMA SIMHAPURI UNIVERSITY  
NELLORE - 524 001. A.P. INDIA.

  
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**DR. J. NAGARAJU**

  
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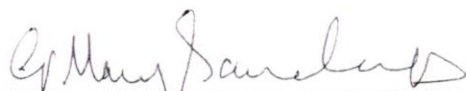
  
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This is to certify that this in-plant training in **Kellogg India Pvt. Ltd** is a bonafied work of **P Lasya (reg no.200416001015)** in partial fulfilment of the requirements for the degree of **MASTER of SCIENCE in FOOD TECHNOLOGY** during the training period from 17/05/2022 to 02/07/2022.

  
Dr. G. MARY SANDEEPA

Head Of Department Of Food Technology  
Department of Food Technology  
College of Science & Technology  
VIKRAMA SIMHAPURI UNIVERSITY  
NELLORE - 524 001 AP, INDIA.

  
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Bhagath

Project guide In department of food  
technology,

VSU, Nellore.



VIKRAMA SIMHAPURI UNIVERSITY  
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MSC FOOD TECHNOLOGY

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This is to certify that the project entitled "QUALITY CONTROL AND PRODUCTION OF WEANING FOOD AND SNACKS PRODUCTION" is a record of Bonafide work done by PATHAPATI LOHITHA (Reg No: 200416001016) submitted in partial fulfillment of the requirements for the award of Master of Science in Food Technology in the VIKRAMA SIMHAPURI UNIVERSITY.

*G. Manjusha*  
HEAD OF DEPARTMENT  
HEAD

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*A. Sathya*  
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*B. Srinivas*  
External Examiner


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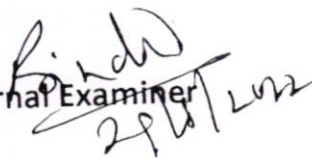


This is to certify that the project entitled "QUALITY ASSURANCE AND PRODUCTION OF SEA FOODS PRODUCTS" is a record of Boniface individual work done by **POLAGANI ARAVIND (200416001017)** under my direct supervision during the academic year **2020-2022** in the Food Technology Department, VIKRAMA SIMHAPURI UNIVERSITY

  
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DEPARTMENT OF FOOD TECHNOLOGY

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**CERTIFICATE**



This is to certify that the project entitled **“QUALITY CONTROL AND PRODUCTION OF WEANING FOOD AND SNACKS PRODUCTION”** is a record of Bonafide work done by **KALAPALA RAMACHANDRA RAO** (Reg No: **200416001019**) submitted in partial fulfillment of the requirements for the award of Master of Science in Food Technology in the **VIKRAMA SIMHAPURI UNIVERSITY**.

*G. Manjinderu*  
HEAD OF DEPARTMENT

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Department of Food Technology  
College of Science & Technology  
VIKRAMA SIMHAPURI UNIVERSITY  
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*A. Sub*  
29/8/22  
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*R. Indhu*  
29/8/22  
External Examiner

This is to certify that the project entitled " **QUALITY ASSURANCE AND PRODUCTION OF SEA FOODS PRODUCTS** " is a record of Bonifac individual work done by **SHAIK SABIHA MUSKAN (200416001022)** under my direct supervision during the academic year **2020-2022** in the Food Technology Department, **VIKRAMA SIMHAPURI UNIVERSITY**

  
**HEAD OF DEPARTMENT**

Dr.G Mary Sandeepa  
**HEAD**

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College of Science & Technology  
VIKRAMA SIMHAPURI UNIVERSITY  
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Sri.A.JOHN PUSPARAJ

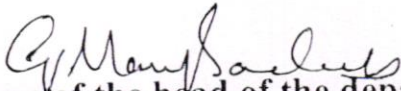
  
**External Examiner**

### DECLARATION

We here by declare that ,the internship project work entitled " **QUALITY ASSURANCE AND PRODUCTION OF SEA FOODS PRODUCTS** " done by under supervision and guidance of **Sri.A.JOHN PUSPARAJ**, lecturers in food technology , **VIKRAMASIMHAPURI UNIVERSITY**. This report is submitted in the fulfillment for the requirement of **M.SC in foodtechnology**

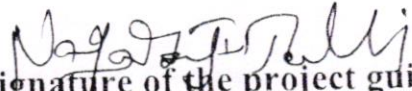
## CERTIFICATE

This is to certify **UNDAVALLI TEJASWINI** bearing the  
Regd.No:200416001026 M.Sc food technology, **VIKRAMA SIMHAPURI  
UNIVERSITY** Andhra Pradesh has carried out the project work embodied in  
the present dissertation, entitled "**PRODUCTION AND QUALITY  
CONTROL OF CARBONATED AND NON-CARBONATED  
BEVERAGES IN (HINDUSTAN COCA-COLA BEVERAGES PRIVATE  
LIMITED)**" had submitted in the department of food technology carried out  
under my supervision.



Signature of the head of the department

**Dr G MARY SANDEEPA**  
**HEAD**  
Department of Food Technology  
College of Science & Technology  
VIKRAMA SIMHAPURI UNIVERSITY  
NELLORE - 524 001. A.P. INDIA.



Signature of the project guide

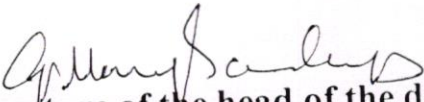
**Dr J NAGA RAJU**



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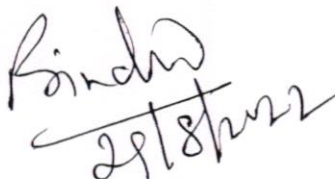
This is to certify **VUTUKURU PAVANI** bearing the  
Regd.No:200416001029 M.Sc Food Technology, **VIKRAMA SIMHAPURI**  
**UNIVERSITY** Andhra Pradesh has carried out the project work embodied in the  
present dissertation, entitled “**PRODUCTION AND QUALITY ASSURANCE**  
**OF NON- ALCOHOLIC CARBONATED AND NON-CARBONATED**  
**BEVERAGES IN (HINDUSTAN COCA-COLA BEVERAGES PRIVATE**  
**LIMITED)**” had submitted in the department of food technology carried out under  
my supervision

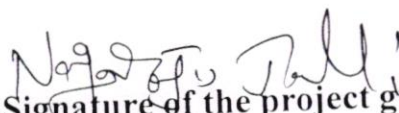
  
Signature of the head of the department

Dr. G. MARY SANDEEPA

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Dr. J NAGARAJU

# VIKRAMA SIMHAPURI UNIVERSITY

## DEPARTMENT OF FOOD TECHNOLOGY

### MSC FOOD TECHNOLOGY

#### CERTIFICATE

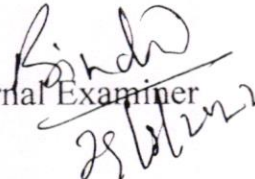


This is to certify that the project entitled “QUALITY CONTROL AND PRODUCTION OF WATER AND WATER BASED BEVERAGES IN HINDUSTAN COCO-COLA BEVERAGES PVT.LTD” is a record of Bonafide work done by YELLU HIMA BINDHU (Reg No: 200416001030) submitted in partial fulfilment of the requirements for the award of Master of Science in Food Technology in the VIKRAMA SIMHAPURI UNIVERSITY.

  
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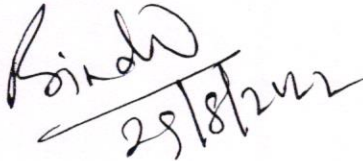
This is to certify that **SHAIK MITAI SONIA SULTANA** bearing the Regd.No:(**200416001032**) M. Sc food technology, **VIKRAMA SIMHAPURI UNIVERSITY** Andhra Pradesh has carried out the project work embodied in the present dissertation, entitled project "**QUALITY CONTROL AND PRODUCTION OF WEANING FOOD AND SNACKS FOOD**" had submitted in the department of food technology carried out under my supervision.

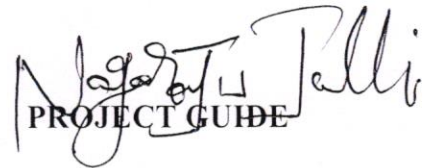
  
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