

APPLICATIONS OF REAL TIME PCR FOR THE DETECTION OF EGFR GENE MUTATION ASSOCIATED WITH LUNG CANCER



Project report submitted in partial fulfillment of the requirements for awarding the
degree of Bachelor of Science in Biotechnology

Submitted to:

Sub. Lt. Gedela Sam Babu

Head of the department of Biotechnology,

Sri Yerramilli Narayana Murthy College, Narasapuram.

Submitted by:

Baswani Janaki Malleswari (Regd. No: 12210005)



Under the guidance of:

Dr. P. Madhu Babu MSc., PhD.,

Director, Department of Molecular Biology,

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Old BJP Office Road, Bhimavaram-2,

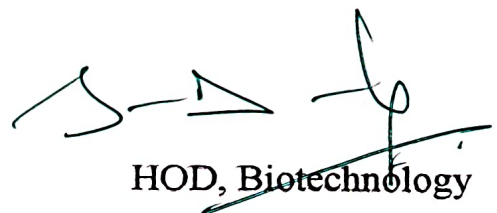
West Godavari District, Andhra Pradesh.



CERTIFICATION

This is to certify that Ms. Baswani Janaki Malleswari (student from the department of Biotechnology, Sri Yerramilli Narayana Murthy College, Narasapuram) successfully completed the assigned bonafide project work titled: "**Applications of real time PCR for the detection of EGFR gene mutation associated with Lung cancer**" under the supervision and guidance of Dr. P. Madhu Babu MSc., PhD., Director, Department of Molecular Biology Omics Nextgen Laboratories Pvt. Ltd. Bhimavaram branch for the partial fulfillment of Bachelor's degree in Biotechnology (2023-25).

Examiner 1:


HOD, Biotechnology

Examiner 2:

Sri Yerramilli Narayana Murthy College
Head of the Dept. of Biotechnology
Sri Y.N. College (A)
Accredited by NAAC at 'A' Grade With A
CGPA of 3.40
Recognised by UGC as 'College With
Potential for Excellence'
NARSAPUR - 534 275



(Approved By Andhra Pradesh State Council of Higher Education)

CERTIFICATE OF COMPLETION INTERNSHIP PROGRAM

This is to certify that Ms./Mr. Baswani Janaki Malleswari Reg No: 12210005 of Sri N.College(A) for successful completion of Long-term internship program for 260 hrs. Applications of Real time pcr for the detection of EGFR gene mutation associated organized by K- SOLUTIONS in collaborate with approved by Andhra Pradesh State Council of Higher Education.

We wish to Continued Success in their future endeavours.

Date : 25/03/2025

Place : Vijayawada



For K- SOLUTIONS,

Aravind Krishna Kurapati

Verified
T. Ramen
28/3/2025

CERTIFICATION

This is to certify that **Ms. Baswani Janaki Malleswari** (student from the department of Biotechnology, Sri Yerramilli Narayana Murthy College, Narasapuram) successfully completed the assigned bonafide project work titled: **"Applications of real time PCR for the detection of EGFR gene mutation associated with Lung cancer "** under my supervision and guidance at Department of Molecular biology, Omics Nextgen Laboratories PVT LTD, Old BJP Office Road, Bhimavaram-2 West Godavari District, Andhra Pradesh, for the partial fulfillment of Bachelor's degree in Biotechnology (2022-25).

Place: Bhimavaram

Date: 24.03.2025



Dr. P. Madhu Babu

Project Guide



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DECLARATION BY THE CANDIDATE

We hereby solemnly declare that the work in this project entitled "**Applications of real time PCR for the detection of EGFR gene mutation associated with Lung cancer**" is submitted for the partial fulfillment of B.Sc. Degree in Biotechnology and is an original piece of research work done by me along with my peers under the guidance of P. Madhu Babu MSc., PhD., Director, Department of Molecular Biology Omics Nextgen Laboratories' declare that parts of this work has been worked on and was submitted by my peers to their respective laboratories.

B. Janaki Malleswari

Baswani Janaki Malleswari

Date:28/3/25

ACKNOWLEDGEMENTS

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B. Janaki Malleswari

Baswani Janaki Malleswari

Date:28/3/25.