



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

Title:

## **Gel filtration-Based Protein Purification and Qualitative analysis using SDS-PAGE**

Submitted to:

The Department of Biotechnology  
Sri Yerramilli Narayanamurthy College,  
Narasapuram.

Submitted by:

**Aishwarya Vardhanapu** (Regd. No.: 11910010)  
**Maha Lakshmi Priyanka Joshula** (Regd. No.: 11910025)  
**Mohammad Ayesha Fathima** (Regd. No.: 11910024)  
**Srilatha Nalli** (Regd. No.: 11910007)

Under the guidance of: **Dr. Ravikiran S. Yedidi**

The Center for Advanced-Applied Biological Sciences & Entrepreneurship  
(TCABS-E), Rajamahendravaram.



## CERTIFICATION

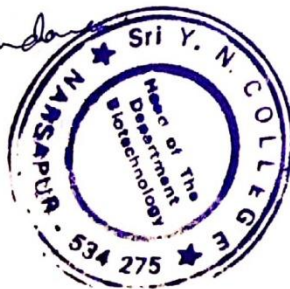
This is to certify that **Ms. Aishwarya Vardhanapu, Ms. Maha Lakshmi Priyanka Joshula, Ms. Mohammad Ayesha Fathima and Ms. Srilatha Nalli** (students from the department of Biotechnology, Sri Yerramilli Narayanamurthy College, Narasapuram) successfully completed the assigned bonafide project work titled: **"Gel filtration-Based Protein Purification and Qualitative analysis using SDS-PAGE"** under the supervision and guidance of Dr. Ravikiran S. Yedidi, at The Center for Advanced-Applied Biological Sciences & Entrepreneurship (TCABS-E), Visakhapatnam branch for the partial fulfillment of Bachelor's degree in Biotechnology (2019-22).

Examiner 1:

HoD, Biotechnology

Sri Yerramilli Narayanamurthy College

Examiner 2: V.T. Vondra




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**



## CERTIFICATION

This is to certify that **Ms. Aishwarya Vardhanapu, Ms. Maha Lakshmi Priyanka Joshula, Ms. Mohammad Ayesha Fathima and Ms. Srilatha Nalli** (students from the department of Biotechnology, Sri Yerramilli Narayanamurthy College, Narasapuram) successfully completed the assigned bonafide project work titled: **“Gel filtration-Based Protein Purification and Qualitative analysis using SDS-PAGE”** under my supervision and guidance at The Center for Advanced-Applied Biological Sciences & Entrepreneurship (TCABS-E), Visakhapatnam branch for the partial fulfillment of Bachelor's degree in Biotechnology (2019-22).

For: The Center for Advanced-Applied Biological Sciences & Entrepreneurship (TCABS-E), R.J.Y.

  
Dr. Ravikiran S. Yeddu **FOUNDER**

Founder, Principal Scientist & Lead Instructor  
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## DECLARATION BY THE CANDIDATE

We hereby solemnly declare that the work in this project entitled "**Gel filtration-Based Protein Purification and Qualitative analysis using SDS-PAGE**" is submitted for the partial fulfilment 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 Dr. Ravikiran S. Yedidi at TCABS-E, Visakhapatnam branch. I declare that parts of this work has been worked on and was submitted by my peers to their respective educational institutions in India/abroad.

Aishwarya Vardhanapu *V. Aishwarya*  
Maha Lakshmi Priyanka Joshula *Priyanka Joshula*  
Mohammad Ayesha Fathima *Md. Ayesha Fathima*  
Srilatha Nalli *N. Srilatha*

Date: *19/07/2022*