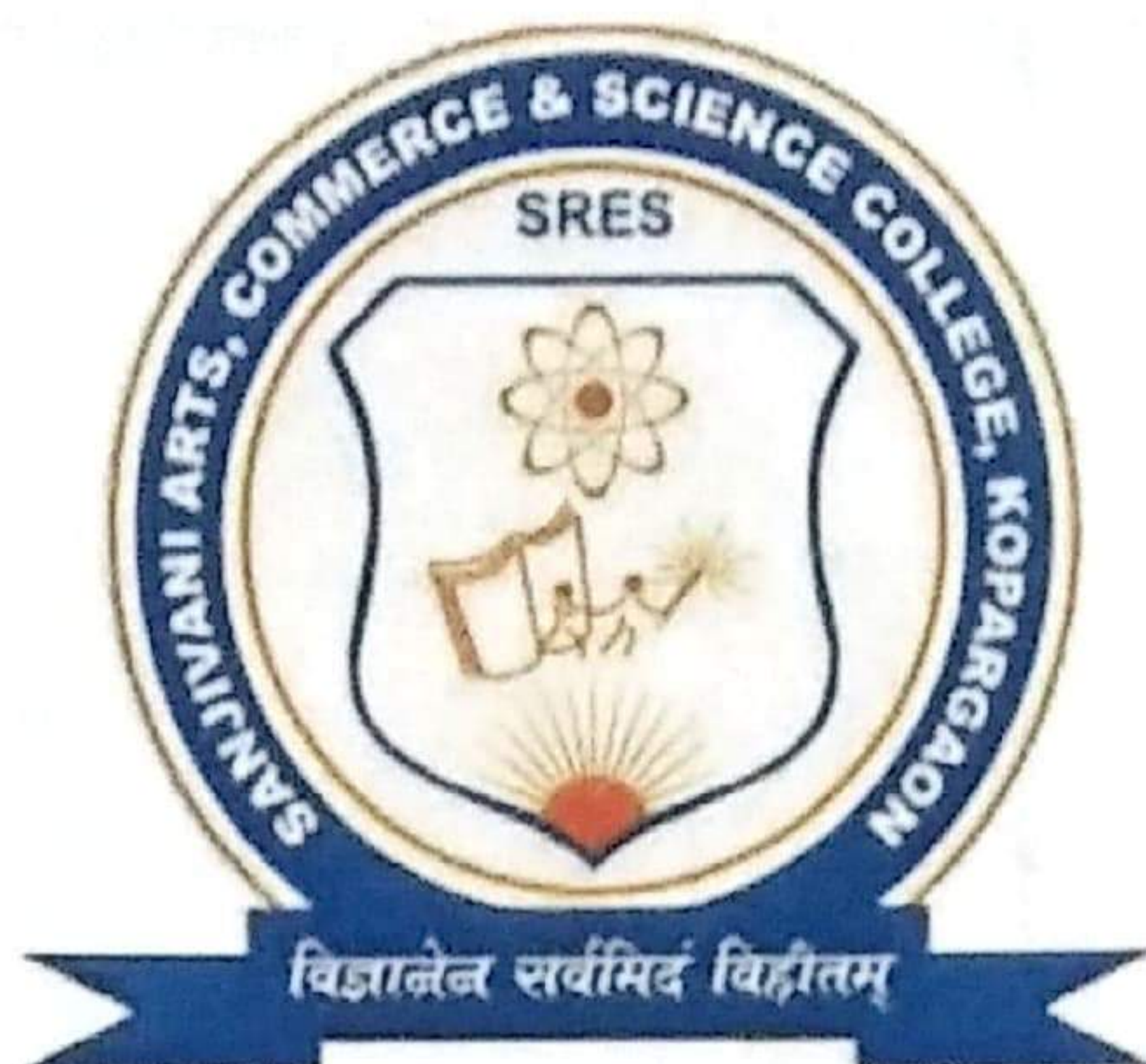


**SANJIVANI GROUP OF INSTITUTE**  
**Sanjivani arts commerce and science college kopargaon**



**DEPARTMENT OF CHEMISTRY**

**A Project Report on**

**" Microwave-assisted synthesis of zinc oxide nanoparticles. "**

**SUBMITTED BY**

**Miss. PUND SAYALI VALMIIK**

**UNDER THE GUIDANCE OF**

**DR. GADEKAR.S AND Mr.DOKHE.P**

**SUBMITTED TO**

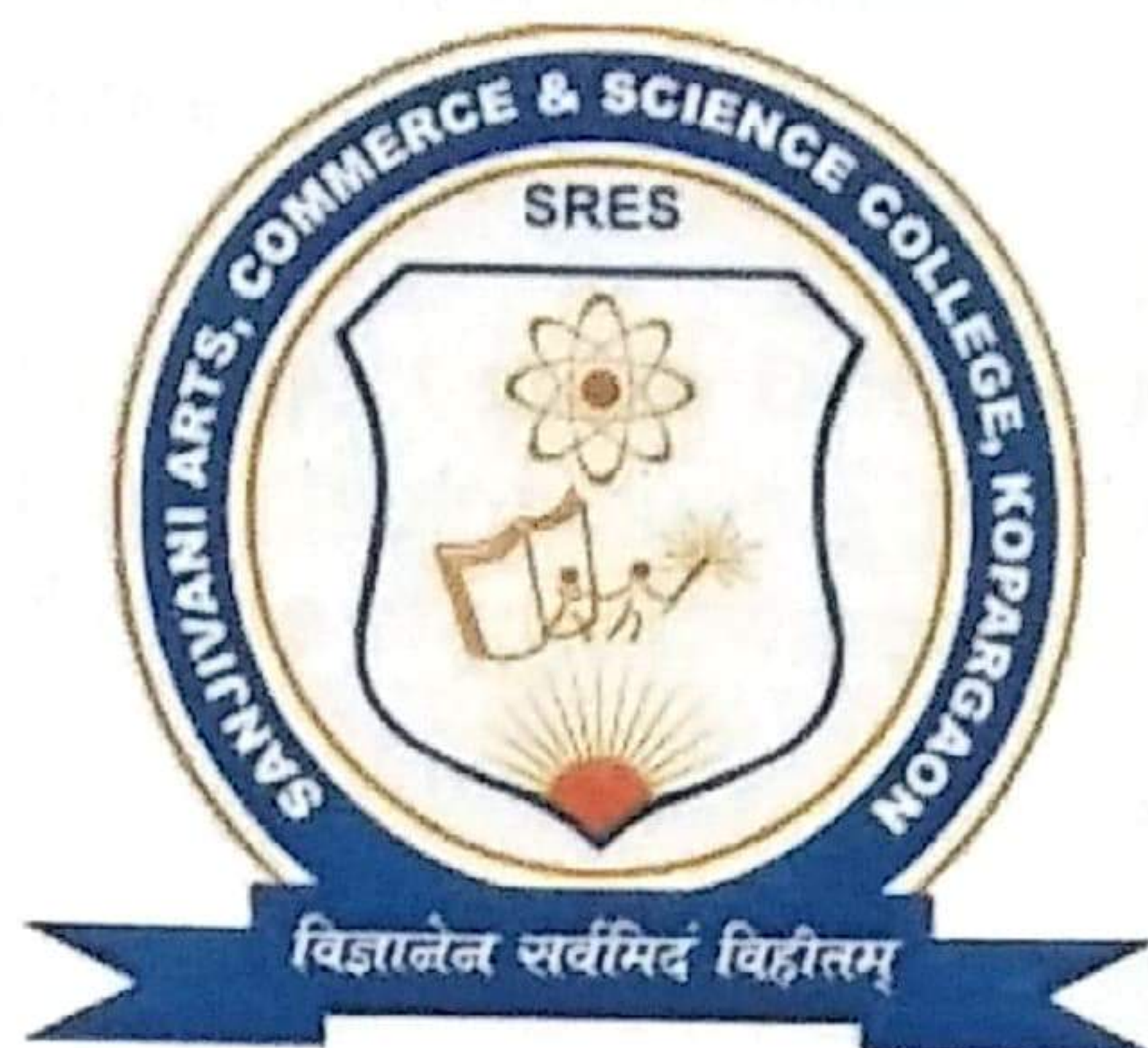
**SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE 411007**

**ACADEMIC YEAR**

**(2022/2023)**

*Examiner*  
*Examined by*  
*Arjun (R. K. Arjun)*  
*18/05/23*

SANJIVANI GROUP OF INSTITUTE  
New Arts, Commerce and Science College,  
KOPARGAON



DEPARTMENT OF CHEMISTRY

CERTIFICATE

*This is to certify that the work incorporated in the project report on "Microwave-assisted synthesis of zinc oxide nanoparticles" Submitted by **Miss. Pund Sayali Valmik** student of Sanjivani Arts Commerce & Science College, kopargaon, affiliated to the Savitribai Phule Pune University, Pune. in the partial requirement for the Post Graduate Degree in **Organic chemistry.***

**Dr.Gadekar.S**

Project guide, Department of  
Chemistry,

SACS College,  
KOPARGAON

H.O.D.

SANJIVANI GROUP OF INSTITUTE  
New Arts, Commerce and Science College,  
KOPARGAON



DEPARTMENT OF CHEMISTRY

CERTIFICATE

This is to certify that the work incorporated in the project report on  
**“Use to Competitive Study Of Protein To Different  
Sources”** Submitted by **Mr. Aqre Pramod Haushiram**  
student of Sanjivani Arts Commerce & Science  
College, kopergaon, affiliated to the Savitribai Phule Pune University,  
Pune. in the partial requirement for the Post Graduate Degree in  
**Organic chemistry.**

Expt. Examined  
examined by  
Blajul (R.Y. Blajul)  
18/05/2023

**Dr. Gadekar.S**

Project guide, Department of  
Chemistry,

SACS College,  
KOPARGAON

H.O.D.

Sanjivani rural education societies

Sanjivani arts commerce and Science College,

Kopergaon-423 601

NACC Accredited B+

# Certificate

This is to certify that the project entitled Synthesis of "2-amino-5, 6, 7, 8-tetrahydro-7,7-dimethyl-5-oxo-4-(1,3-diphenyl-1H-pyrazol-4-yl)-4H chromene-3-carbonitrile" by using highly efficient magnetically recyclable  $\text{Fe}_3\text{O}_4@K_{10}\text{MMT}@CuO$  nano-catalyst.

being submitted by

Mr. **Kadlag Prathmesh Santosh &**

**Deokar Kartik Sanjay**

for the award of **MSc Chemistry**, university of pune, was carried out under

the guidance and supervision of,

miss. **Aher Pratiksha**

during academic year **2022-23**.

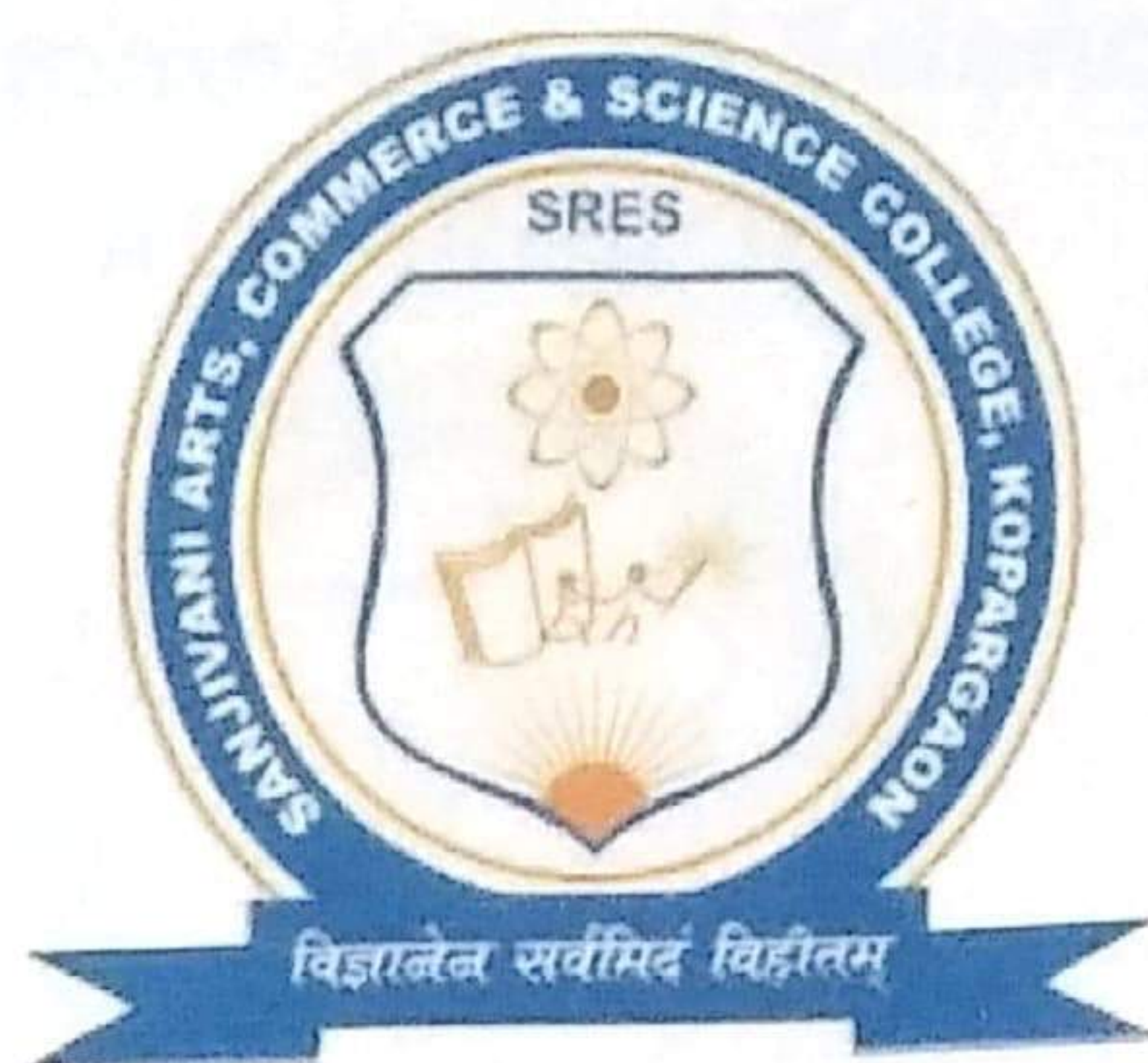
*P. Aher*  
18/05/2023  
Project Guide

Examiner

*[Signature]*  
Head of Dept.

*Ext. examination  
examined by  
Bhujal  
18/05/23.*

SANJIVANI GROUP OF INSTITUTE  
Sanjivani arts commerce and science college kopargaon



DEPARTMENT OF CHEMISTRY

A Project Report on  
" Use to Competitive Study Of Protein To Different Sources "

SUBMITTED BY

Mr. Khodke Akshay Dattatray

UNDER THE GUIDANCE OF

DR. GADEKAR.S AND Miss.KOTE

SUBMITTED TO

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE 411007

ACADEMIC YEAR

(2022/2023)

External Examiner  
Examined by  
Pratibha  
18/05/2023  
(Pr. Hatyul  
S.V. B.S. College  
Surgamner)

SANJIVANI GROUP OF INSTITUTE  
New Arts, Commerce and Science College,  
KOPARGAON



DEPARTMENT OF CHEMISTRY

CERTIFICATE

This is to certify that the work incorporated in the project report on  
**“Use to Competitive Study Of Protein To Different Sources”** Submitted by **Mr. Khodke Akshay Dattatray**  
student of Sanjivani Arts Commerce & Science  
College, kopergaon, affiliated to the Savitribai Phule Pune University,  
Pune. in the partial requirement for the Post Graduate Degree in  
**Organic chemistry.**

**Dr.Gadekar.S**

Project guide, Department of  
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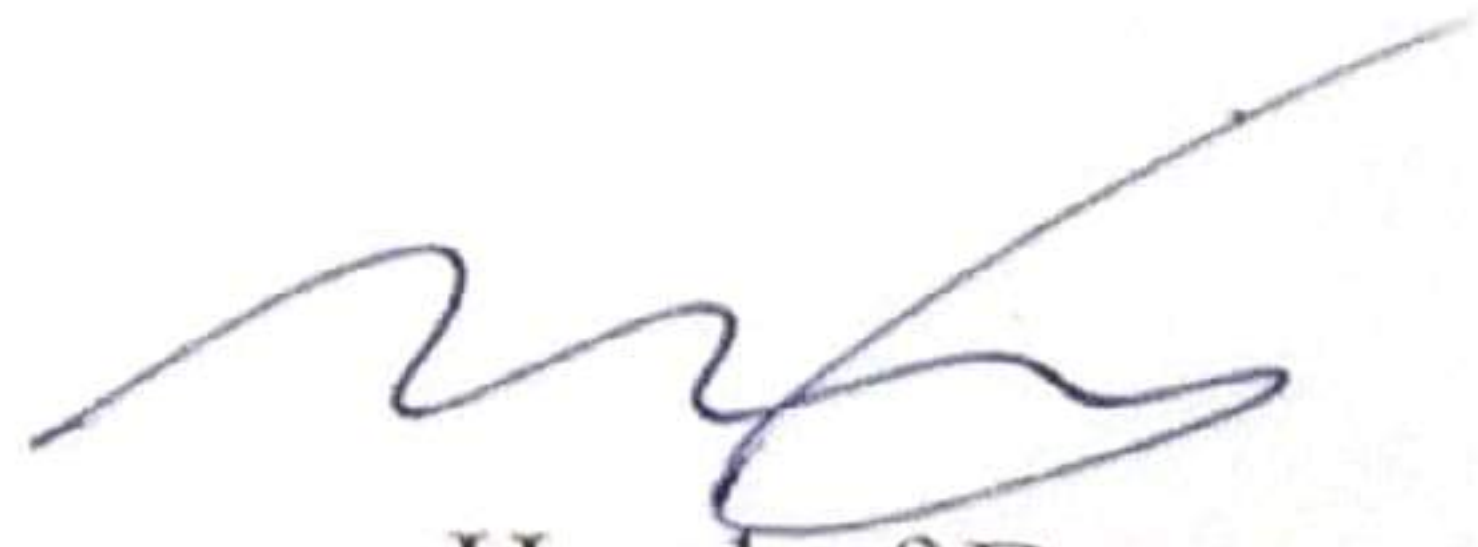
miss. **Aher Pratiksha**

during academic year **2022-23**.

Project Guide

Examiner

Head of Dept.



ext. examiner.  
examined by

Bhagyal  
18/05/23