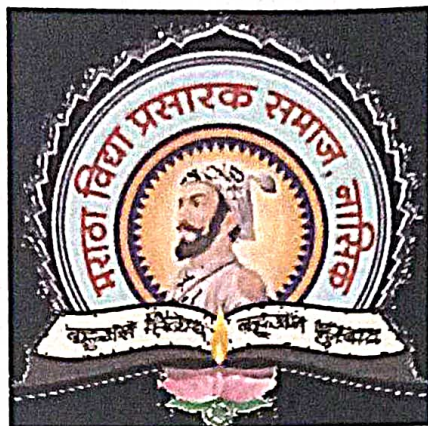


Savitribai Phule Pune University



M.V.P. Samaj's, Nashik

KARMAVEER SHANTARAM BAPU KONDAJI
WAVARE (K.S.K.W) ARTS, SCIENCE &
COMMERCE COLLEGE, CIDCO, NASHIK-422008

A
PROJECT REPORT
ON

An Efficient Synthesis of 2-amino-4H-pyran derivatives using CuO –
Co₃O₄@NiO core shell Nanoplates as catalyst.

Submitted By:
Ms. Komal D. Khairnar

Academic Year
2022-2023 Under the Guidance of
Dr. Savita V. Thakare

Maratha Vidya Prasarak samaj's

**Karmveer Shantarambapu Kondaji Wavare Arts,
Commerce & Science College, CIDCO, Nashik-
422008.**

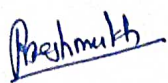
Certificate

This is to certify that the project entitled
**Synthesis of An Efficient Synthesis of 2-amino-4H-pyran derivatives
using CuO –Co₃O₄@NiO core shell Nanoplates as catalyst.**


Has been successfully completed by

Ms. Komal D. Khairnar

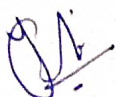
During the academic year 2022-23 for fulfilment of
M.Sc. (Organic Chemistry) degree.



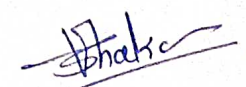
Internal Examiner



(Head of Department)
Dept. of Chemistry,
K. S. K. W. College, CIDCO,
Uttam Nagar, Nashik-8



External Examiner



(Project Guide)

EXAMINERS CERTIFICATE

This is to certify that PG dissertation entitled An Efficient Synthesis of 2-amino- 4H-pyran derivatives using CuO -Co₃O₄@NiO core shell Nanoplates as catalyst. submitted by MS. Komal Dadaji Khairnar was carried out by candidate under supervision of Dr. Savita V.Thakare.

With this understanding, we consider the fact that the PG dissertation is well written project report, should be appreciable and the project work carried out is commendable, we recommend that the PG dissertation submitted by MS. Komal Dadaji Khairnar be accepted in its present form for the award of Masters of Science in Organic Chemistry, Savitribai Phule Pune University , Pune. They successfully defended the Viva-Voce Examination.



External Examiner



Internal Examiner



PRINCIPAL

K.S.K.W. Arts, Sci. & Com. College
Prof. DR. S. K. K. Kushare