



A

**PROJECT REPORT**

On

**Green synthesis and characterization of CeO<sub>2</sub> Nanoparticles mediated by Monstera Deliciosa leaves extract for inhibition of**

**Candida Albicans biofilm**

By

**Tambe Poonam Deepak**

Under the guidance of

**Dr. A. B. Gawande**

**Material Research Laboratory**

**Department of Physics**

Maratha Vidya Prasarak Samaj's

**Karmaveer Shantarambapu Kondaji Wavare Arts, Commerce  
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KARMAVEER SHANTARAM BAPU KONDAJI WAVARE (K.S.K.W) ARTS, SCIENCE  
AND COMMERCE COLLEGE, CIDCO, NASHIK-422008

NAAC Re-Accredited 'A' Grade (CGPA 3.20)

# CERTIFICATE

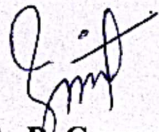
This is to certify that the project entitled  
**Green synthesis and characterization of CeO<sub>2</sub> Nanoparticles  
mediated by Monstera Deliciosa leaves extract**

has been successfully completed by

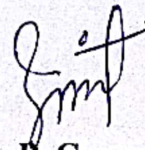
**Tambe Poonam Deepak**

Seat no:

During the academic year 2023-24 for fulfilment of  
M.Sc.-II (Physics) degree



**Dr. A. B. Gawande**  
(Project Guide)



**Dr. A. B. Gawande**  
(Head of department)

*CW*  
*31/05/2024*

**Internal Examiner**

*Bah*  
*31/5/2024*

**External Examiner**