



**“PREPARATION AND
CHARACTERISATION OF ZIRCONIUM
BASED THIN FILMS FOR FUNCTIONAL
APPLICATION”**

Ph.D. THESIS

**By
Jyoti V. Menghani**

Under the Guidance of

**Dr. K. B Pai
Professor and Head
Metallurgical & Materials Engg. Dept.
M.S. University of Baroda**



**Faculty of Tech. & Engg.
The M. S. University of Baroda
Vadodara**



THESIS
ON
**“PREPARATION AND CHARACTERISATION OF
ZIRCONIUM BASED THIN FILMS FOR
FUNCTIONAL APPLICATION”**

*FOR THE AWARD OF DEGREE OF
DOCTOR OF PHILOSOPHY*

BY
Jyoti V. Menghani
Mechanical Engineering department
SVNIT, Surat

Under the Guidance of
Dr. K. B Pai
Professor and Head
Metallurgical & Materials Engg. Dept.
M.S. University of Baroda



Faculty of Tech. & Engg.
The M. S. University of Baroda
Vadodara