भारतीय प्रौद्योगिकी संस्थान
काशी हिन्दू विश्वविद्यालय
IIT INDIAN INSTITUTE OF TECHNOLOGY
BANARAS HINDU UNIVERSITY

One Day National Workshop

(Hybrid Mode)

On

"Development of nano bonded alumina magnesium borate refractory castable application for Indian petrochemical industry"

Sponsored by **Anusandhan National Research Foundation(ANRF)** Govt. of India

September 22, 2025.

Organized by
Department of Ceramic Engineering
Indian Institute of Technology
(Banaras Hindu University)
Varanasi–221005
India

Venue
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Introduction:

With the advent of global need and degenerative conventional refractory castable properties have become a problem in petrochemical industry . Currently, the conventional refractory replace by nano bonded refractory castable application in petrochemical industry at FCC part . The conventional refractory castables are used for petrochemical industry , the friction ,wear resistance ,thermal and mechanical properties are degrade with time , Therefore, to enhancing the friction, wear resistance and Thermo - mechanical properties conventional refrctory castble replace by nano bonded refractory castable for long time is of great significance for its applications in the Indian petrochemical industries.

Who can attend?

Faculty members of Institutes/Universities / Engineering Colleges approved by AICTE working in the departments of Mechanical Engineering/ Metallurgical, Materials science, Ceramic Engineering, Physics, Chemistry /Mathematics and other allied departments related to the mentioned area are eligible to attend the course..

Registration Process

Fill in the required fields below the Google form link by **September 19, 2025.**
Registration Link: One Day National Workshop - Google Forms

Registration fee: Nil

CHIEF PATRON:

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OBJECTIVES:

The present course will be focused to successful development of nano bonded refractory castable to improve friction,wear resistance and thermo-mechanical properties of nano bonded refractory castable.