



One Day Research Facility training program (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 11, 2025



Organized by

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

Venue

Department of Ceramic Engineering IIT(BHU)
Varanasi–221005

Contact:

Department of Ceramic Engineering
IIT (BHU) Varanasi–221005
Mobile: 9415570267
Email: mrmajhi.cer@itbhu.ac.in

Introduction:

In the present time nano bonded alumina magnesium borate refractory castable is one of the important subjects. It has main applications in petrochemical industries at fluid catalytic cracking units. In present time the study of thermal, mechanical, wear, friction (Tribological behaviour) is also important concerned with the suitable application. All these are very vast area of research. Alumina magnesium borate refractory castable is one of the important aspects of wear and friction at FCC unit. The Thermal, mechanical, Wear and friction is a very big issue in the study for applications in petrochemical industries will help to further enhancement to this study.

Who can attend?

Research scholars of Institutes/ Engineering Colleges /Universities working in the inter-disciplinary, Mechanical, Materials, Metallurgy, Ceramic etc /other interested departments are eligible to attend the course

Registration Process

Registration fee: Nil

Fill the google form as given below link by
September 09, 2025.

Registration Link: [One Day](#)

[Research Facility Training](#)

[Program - Google Forms](#)

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COORDINATOR:

Prof. Manas Ranjan Majhi
Department of Ceramic Engg., IIT (BHU)
Varanasi-221005

OBJECTIVES:

The present course will be focused to successful development nano bonded alumina magnesium borate refractory castable and characterize for their Thermal, mechanical and wear, friction (tribological properties).