



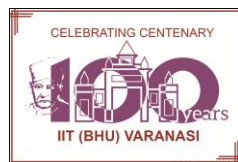
## AICTE Sponsored Short Term Course On

**Advanced Materials Characterizations: From  
fundamentals toward applications**

**February 22-26, 2021**

*Organized by*

**Department of Ceramic Engineering, IIT (BHU),  
And Department of Metallurgical Engineering, IIT  
(BHU) Varanasi-221005**



**Quality Improvement Program Center  
Indian Institute of Technology (BHU)  
Varanasi - 221005, (U.P.)  
Phone: 0542 - 2369434  
Email: [coordinator.qip@itbhu.ac.in](mailto:coordinator.qip@itbhu.ac.in)**

## About the Course Course Content

This STC course will provide an overview of the different advanced characterization techniques to evaluate materials for their properties from bulk to nano-scale and screen them for “state-of-the-art applications” effectively. This course will include both scientists and engineers equally from academia and industries. Experienced researchers will deliver fundamental and featured lectures from reputed institutions. It is open to participants with basic interdisciplinary backgrounds, including physics, chemistry, materials science, mechanical engineering, chemical engineering, ceramic engineering, metallurgical engineering, polymer science, and engineering from both industry and academia. This STC has been broadly designed to cover advanced-levels of materials characterizations towards applications.

### Course Coordinator

**Dr. Santanu Das**

Department of Ceramic Engineering  
IIT(BHU), Varanasi-221005

E-mail: [santanudas.cer@iitbhu.ac.in](mailto:santanudas.cer@iitbhu.ac.in)  
[coordinator.stc.amc@gmail.com](mailto:coordinator.stc.amc@gmail.com)

### Course Co-Coordinator

**Dr. Bratindranath Mukherjee**

Department of Metallurgical Engineering  
IIT(BHU), Varanasi-221005

E-mail: [bratindra.met@itbhu.ac.in](mailto:bratindra.met@itbhu.ac.in)

## REGISTRATION

**Registration for QIP Sponsored  
Teachers from AICTE approved  
Institutions must send duly  
filled signed FORM # 1 & 2 to  
this**

**Email: [coordinator.stc.amc@gmail.com](mailto:coordinator.stc.amc@gmail.com)  
and each participant have to  
register in the following Google  
form link:**

**[https://docs.google.com/forms/d  
/e/1FAIpQLSc4OO6SUev0vhRC  
sV7ZwhD\\_Rd1Zjo\\_Jm8vmY\\_-  
cMYH4UTuP6A/viewform?vc=0  
&c=0&w=1&flr=0&gxids=7628](https://docs.google.com/forms/d/e/1FAIpQLSc4OO6SUev0vhRCsV7ZwhD_Rd1Zjo_Jm8vmY_-cMYH4UTuP6A/viewform?vc=0&c=0&w=1&flr=0&gxids=7628)**

## Participation Certificate

Certificate of participation will be issued to all the participants only after the successful completion of the course.

### Important Dates

Last date for receiving application

**February 1, 2021**

Confirmation of Participation

**February 10, 2021**

### Contact Details

**Dr. Santanu Das**

Department of Ceramic Engineering  
IIT (BHU), Varanasi-221005

E-mail: [coordinator.stc.amc@gmail.com](mailto:coordinator.stc.amc@gmail.com)

and

**Dr. Bratindranath Mukherjee**

Department of Metallurgical Engineering  
IIT(BHU), Varanasi-221005

E-mail: [bratindra.met@itbhu.ac.in](mailto:bratindra.met@itbhu.ac.in)

## ABOUT THE DEPARTMENT



The founder of Banaras Hindu University, Mahamana Pandit Madan Mohan Malviyaji instituted a course in Ceramic Technology as early as 1924 with the noble objective of advancing glass and ceramic technology in India. In the Year 1956, Department of Glass Technology and Department of Ceramic Technology were merged to form the Department of Silicate Technology, offering a four year degree course by injecting into its curriculum balanced engineering and scientific contents. In the year 1968 the Department was renamed as Department of Ceramic Engineering. Presently this department is unique in the country which offers B.Tech, M.Tech, and Ph.D. Programs in the areas of Ceramic Engineering and Technology. The Department is pursuing active research in the emerging areas of electronic ceramic, composites, advanced ceramics, glass, glass ceramics, refractories, cement and pottery & porcelain. Research papers are being published in reputed national and international journals in a regular basis along with reputed conference publications and patents. Many R&D projects have been sponsored by MHRD, DRDO, SERB, AICTE, DST, CSIR, and UGC.

