

APPLICATION FORM

One Week Faculty Development

Program on

Functional Materials for Engineering

Applications

(15.02.2021 to 19.02.2021)

DECLARATION

The information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the course for the entire duration. On provisional selection, I will submit the registration form on or before **10.02.2021**.

Signature of the applicant

Date:



SPONSORSHIP CERTIFICATE

Certified that Dr./Mr./Ms.....
is an employee / student of our institute and is hereby sponsored for the **FDP** on "**Functional Materials For Engineering Applications**" at B.M.S. College of Engineering during the period **15.02.2021 to 19.02.2021**.
Our institute is supported/not supported by TEQIP. He/she will be permitted to attend the course, if selected.

Important Dates

Submission of Applications ends : 10.02.2021

Selection confirmation : 13.02.2021

B.M.S. College of Engineering

Bengaluru-19

(An Autonomous Institution Affiliated to VTU)

One Week Faculty Development

Program

Sponsored by

Centre of Excellence in Advanced Materials Research

(TEQIP-1.2.1)

On

Functional Materials for Engineering

Applications

(Nanomaterials, Ceramic materials, Bulk , and Polymer materials for Engineering Applications)

15.02.2021 to 19.02.2021



Accredited with A⁺⁺ grade by NAAC

Organized by

Departments of Physics and Chemistry

B.M.S. College of Engineering

Bull Temple Road, Bengaluru-560019

In Association with **MJP Rohilkhand University, Bareilly**

1. Name:

2. Educational qualifications:

3. Designation:

4. Institution:

5. Address for communication:

6. Mobile:

7. E-mail ID:

8. Whether your institution is TEQIP supported: Yes / No

9. Kindly confirm your participation by registering in the following link:

https://docs.google.com/forms/d/e/1FAIpQLSfd6YkywCFMrfQOLxpR9ZnsMUzt03_U6GDXTTr39IKfrsrXBg/viewform?usp=sf_link

Introduction

The development of functional materials is at the heart of technological needs and the forefront of materials research for Engineers. This FDP provides a comprehensive and up-to-date applications of functional materials, which are needed for electrical, dielectric, electromagnetic, optical, and magnetic applications. Materials concepts are strongly linked to Engineering applications.

Functional Materials Applications are

Electrical Conduction Behavior

Dielectric Behavior

Electromagnetic Behavior

Optical Behavior

Magnetic Behavior

Catalytic behavior

B.M.S. COLLEGE OF ENGINEERING

B.M.S. College of Engineering was founded in the year 1946 by Late B M Sreenivasaiah, and nurtured by his illustrious son, Late B S Narayan. BMSCE is the first private sector initiative in Engineering Education in India. BMSCE has over 70 years of dedicated service in the field of Engineering Education. BMSCE offers numerous Under Graduate and Post Graduate courses, both in conventional and emerging areas. At present, 15 Departments are recognized as Research Centers offering PhD/MSc Engineering by Research in Science, Engineering and Management. It is the first Institution in the state bestowed with NBA Accreditation in Tier I Format (Washington Accord). It is also a World Bank funded TEQIP Phase I and Phase II Institute and Partner Institution of the Melton Foundation, USA which advocates Global Citizenship. BMSCE has been functioning as an autonomous Institute (UGC approved) since 2008.

DEPARTMENT OF PHYSICS

The Physics Department at BMS College of Engineering was established in 1946. The vision of the department is to be a dynamic, inclusive and competitive centre of excellence in teaching, learning and research in Physics to ensure that the technical needs of students are addressed. The Department has well qualified, experienced and highly motivated faculties. The faculties of the Department teach Engineering Physics course for I year B E students. Department faculties are involved in research and consultancy activities. They have received funding for conducting research from various external funding agencies such as DST, VGST, BARC etc. The department is VTU recognized research centre since 2011.

DEPARTMENT OF CHEMISTRY

The Chemistry Department at BMS College of Engineering was established in 1946. The vision of the department is to be a dynamic, inclusive and competitive centre of excellence in teaching, learning and research in chemistry to ensure that the technical needs of students are addressed. The Department has well qualified, experienced and highly motivated faculty members. The faculties of the Department teach Engineering chemistry, Materials chemistry and its Applications, Nanomaterials and Environmental chemistry and corrosion sciences and Industrial engineering materials for Engineering students. Department faculties are involved in research and consultancy activities. They have received funding for conducting research from various external funding agencies such as DST, VGST, SERB etc. The department is VTU recognized research centre since 2011.

OBJECTIVE AND OUTCOMES OF FACULTY

DEVELOPMENT PROGRAM

- ❖ To create awareness about the various fields of Materials for engineering applications
- ❖ To familiarize the participants with the latest research trends in the fields of chemistry and physics
- ❖ To highlight the research being carried out and promote further research in material aspects

COURSE CONTENT

- * Synthesis of Bulk and Nanomaterials from various techniques
- * Characterization and property studies of materials
- * Importance of materials from Engineering aspects
- * Applications of materials and impacts to the society

RESOURCE PERSONS

The faculty for the course will be from USA, UK and IISc, IIT and other premier Institutes.

WHO CAN ATTEND?

Faculty of Engineering College, Degree College, Research Scholars, PG/UG students.

HOW TO APPLY

Apply in the prescribed format by email on or before **10.02.2021**. provisional selection will be intimated by email, the applicant has to send the sponsorship certificate in the attached format as to reach the coordinator on or before 10.02.2021.

Chief Patrons

Dr. B. S. Ragini Narayan

Donor Trustee, BMS Educational Trust

Dr. P. Dayananda Pai

Chairman, BOG, BMSCE

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Dr. Manjunatha.S, Asst. Professor, Department of Chemistry

Dr. Latha Kumari, Asst. Professor, Department of Physics

Dr. Ramya Hariharan, Asst. Professor, Dept. of Physics

Address for correspondence

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Dr.Ramya Hariharan

Coordinator, **FDP on “Functional Materials for Engineering Applications”**

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