

## REGISTRATION

The FDP will be conducted in offline mode. This FDP is open to faculty members from various disciplines of Science and Engineering. The participants need to register for the FDP using the google form link provided below. Certificates will be given only for registered participants and who attend all the sessions for three days.

An undertaking should be submitted while filling the google form stating that the participants will attend all the session for all three days.

The number of participants are limited to 40. The selections will be on first come first basis.

### Registration Process:

To register for the FDP the participants need to fill the google form. The registration/undertaking form template is made available in the google form. The participants need to download the template, fill it and upload the scanned copy in the same google form.

Also upload the receipt of the payment and specify UTR number in the google form.

Registration Fees (Inclusive of GST) : **INR 1000**

Registration link: <https://forms.gle/qYkafRxN4E9SSSE79>

**Accommodation:** Participants shall make their own arrangement for accommodation. However the contact details of the nearby hotels will be shared in whatsapp group once the registration is confirmed.

### PAYMENT DETAILS

Name: Chairman Governing Council GIT

Account No:1162500100010801

Bank: Karnataka Bank Ltd.

Branch: Udyambag, Belagavi

IFSC: KARB0000116

SCAN THE QR CODE  
FOR PAYMENT



## CHIEF PATRONS

**Shri. Anant Mandgi**

President, Karnatak Law Society

**Shri. P. S. Sawkar**

Chairman, Karnatak Law Society

## PATRONS

**Shri. V. G. Kulkarni**

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**Shri. Pramod Kathavi**

Chairman, Governing Council (MAM), KLSGIT

## PRINCIPAL

**Dr. M.S. Patil**

KLSGIT

## CONVENOR

**Dr. Raviraj M. Kulkarni**

Professor and Head  
Department of Chemistry

## PROGRAM COORDINATORS

**Dr. Kiran A. Thabaj**

**Dr. Prasanna S. Koujalagi**

## IMPORTANT DATES

Registration deadline : 7th October 2024

Confirmation by mail : 9th October 2024

Date of FDP : 14th - 16th October 2024



Karnatak Law Society's

**GOGTE INSTITUTE OF TECHNOLOGY**

**BELAGAVI**

**Three Days**

**Faculty Development Programme (FDP)**

**on**

**"Semiconductor Nanotechnology"**

**14.10.2024 to 16.10.2024**

**(Offline Mode)**



**Organized by**

**Centre for Nanoscience and Nanotechnology**

**Department of Chemistry**

**KLS Gogte Institute of Technology**



## ABOUT THE INSTITUTE

Gogte Institute of Technology, the flagship Institute of Karnatak Law Society was established in 1979. Spread across a sprawling mango meadow of over 20 acres, GIT offers nine under-graduate and six post-graduate programmes. As a part National Education Policy (NEP) initiative VTU has selected GIT to offer B.Sc. (Hons) program from 2021-22 academic year. Ten departments have been recognized as Research Centers to offer Ph.D. programmes. GIT has the honour of providing quality engineering education for over 4500 students by around 250 highly qualified faculty members. GIT has been a hub of many activities of excellence and achievements. Known for its academic credentials coupled with holistic development, GIT offers a thorough learning experience through its dedicated faculty, spacious classrooms, scintillating labs, Wi-Fi ambience, voluminous library, soft-skills lab, multi-gym and sports facility, banking facility etc. GIT has carved a niche for itself through consistently good results and placements. GIT has produced several leading business managers and technocrats of national and international repute.

## ABOUT THE DEPARTMENT

Department of Chemistry was established in the year 1979 as a supporting department to other programs of Engineering. The department is recognized as a research center in the year 2005 and offers Ph.D. programme, which is affiliated to Visvesvaraya Technological University, Belagavi. Department has established Centre for Nanoscience and Nanotechnology in year 2017. Department also undertakes the consultancy and testing work. The department is having MoU's with industries which helps us to have research collaborations, students exchange program, student internships and projects. The faculty members are actively involved in Teaching and Research. Major research areas are Nanomaterials, Ion-exchange selectivity studies, Water quality, Adsorption, Reaction Kinetics, Synthetic Medicinal Chemistry, Inorganic Chemistry, Bioinorganic Chemistry, Cyclic-voltammetric studies and Environmental chemistry. Faculty members have published a good number of research papers in reputed national and international journals and presented papers in various National / International conferences.

## BACKGROUND OF THE FDP

Nanotechnology and Semiconductor technologies have altered human life over the last two centuries. Starting with the introduction of the junction transistor and progressing to advanced field effect transistors, this technology has been crucial in the advancement of several industries such as medicine, communication, and the power sectors.

This FDP will be beneficial to research scholars, professors, and corporate professionals enthusiastic in discovering more about semiconductor nanotechnology and its potential uses. This will help academicians and research experts from diverse organizations with their educational and scientific goals.

## OBJECTIVES

- To create awareness amongst faculty and also impart knowledge in the emerging field of Semiconductor Nanotechnology.
- To motivate and enable faculty to take up Semiconductor nanotechnology based inter disciplinary projects.

## OUTCOME OF THE FDP

- The program will highlight the interdisciplinary nature of nanotechnology and semiconductors, addressing their applications in fields such as medicine, environmental science, and materials engineering, encouraging collaboration across disciplines.
- Participants will explore current research trends, emerging technologies, and innovative applications in areas like nanoelectronics, quantum computing, and energy-efficient devices, fostering a culture of research and development.
- By fostering relationships with industry professionals, faculty will create pathways for student internships, joint research initiatives, and potential funding opportunities, enhancing the academic-institution-industry nexus.
- Participants will be inspired to initiate or collaborate on research projects, contributing to advancements in the field and possibly leading to publications or patents.

## RESOURCE PERSONS

### Dr. Vaidy Subramanian

Deputy Director; GlobalFoundries, Bengaluru.



### Shri. Rajendrakumar Sharma

Managing Director, Spel Technologies Pvt. Ltd, Pune.



### Dr. M. M. Nayak

Visiting Professor, (CeNSE), IISc., Bengaluru.



### Dr. Prosenjit Sen

Asst. Professor (CeNSE), IISc., Bengaluru.



### Dr. Ruma Ghosh

Assistant Professor, IIT Dharwad.



### Shri Yogesh Murkibhavi

Technical Manager,

Sankalp Semiconductor, Hubballi.



## ADDRESS FOR CORRESPONDANCE

### Dr. Raviraj M. Kulkarni

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Coordinator, Centre for Nanoscience and Nanotechnology,  
KLS Gogte Institute of Technology, Belagavi  
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## Program Co-ordinators

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