

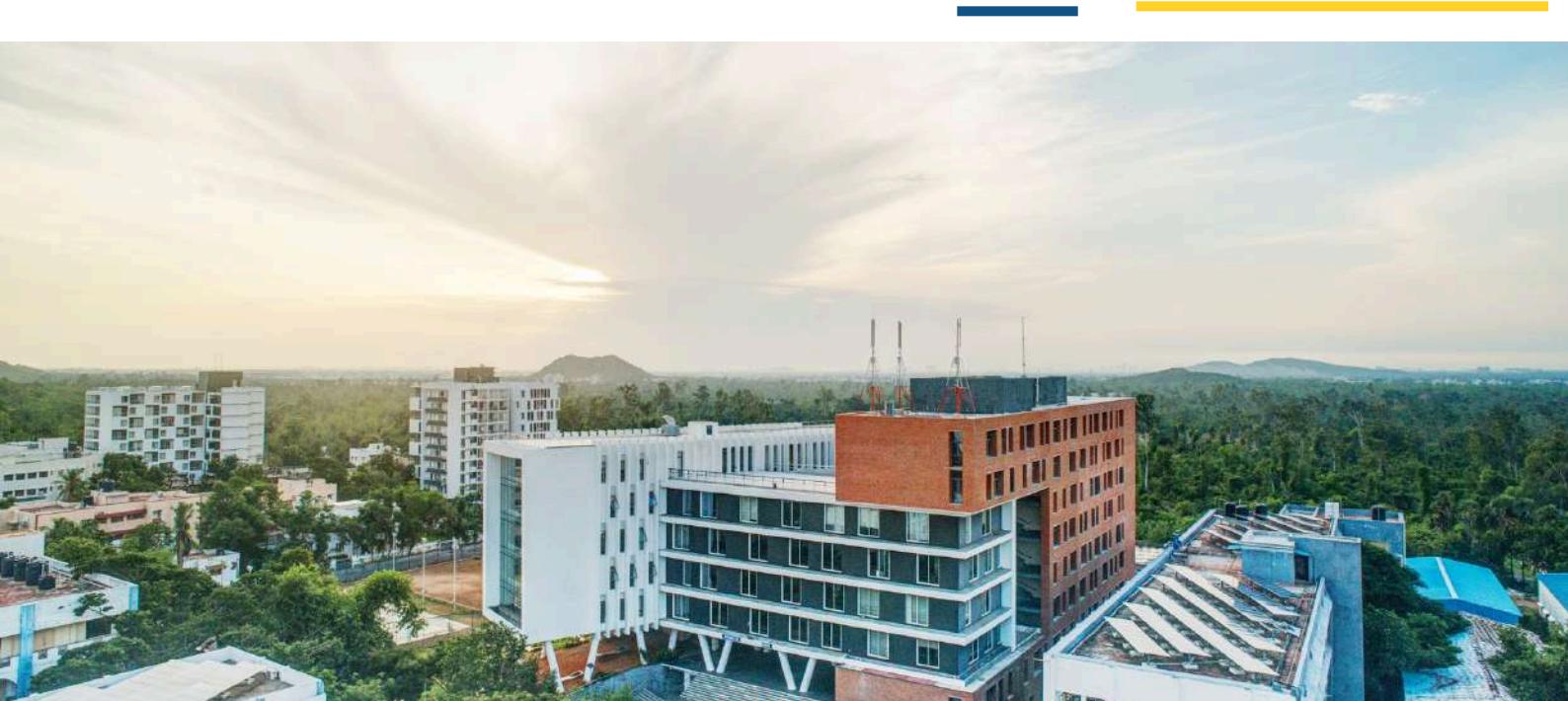
## **'ASSOCIATION OF POLYMER ENGINEERS'**

### **ONE-DAY NATIONAL WORKSHOP**

**ON**

**'Mastering Composites Technology :  
Innovations and Applications in Modern Engineering'**

**22<sup>nd</sup> NOVEMBER 2024**



**Department of Polymer Engineering  
School of Mechanical Sciences**

# B. S. Abdur Rahman Crescent Institute of Science & Technology

**B. S. Abdur Rahman Crescent Institute of Science & Technology (Deemed to be University, Estd. u/s 3 of the UGC Act. 1956, India), formerly known as Crescent Engineering College is acclaimed throughout India for its quality education and research.**

**The Institute is accredited by NAAC with A+ and it is a rising stalwart in higher education with promising Quality and Placement.**

**The institute is committed to focus on three dimensions of higher education Viz., quality teaching, innovative research and appropriate applications of knowledge through extension, outreach and consultancy activities.**

**The institute is located at Vandalur, Chennai-600048, adjacent to the Kilambakkam Bus Terminus which is on the Chennai-Trichy National Highway.**

**Unveil the Future with Polymer Engineering**



# Department of Polymer Engineering

The Department of Polymer Engineering was established in 1996 with the aim to provide technical services and manpower to various polymer industries, research institutions and national laboratories. The department offers B. Tech. Polymer Engineering Programme. The B.Tech. programme is accredited by NBA.

The Department has adequate infrastructure and well-equipped laboratories for the development, characterisation, designing and processing of plastics, rubbers and Composites products.

The Department is empowered with a team of highly qualified faculty members having expertise in diversified fields.



# The Workshop

Composites are used widely in many applications. The requirements of composites with respect to the varieties of applications, has led to continuous research in the development fabrication of newer types of bio and natural fibre-based composites, nanocomposites and advanced composites etc. The properties of composites such as high strength-to-weight ratio, stiffness and environmental stability are the main attractions which create the increased usage of composites in automobiles, aircrafts, building structures, medical implants, and machineries etc. Recently, many advancements happened in the development of composites with enhanced property spectrum.

This programme will help the participants, to understand the basics to recent advancement in the development and manufacture of new types of composites. The experts from both industry and academia will present series of lectures in the morning session. After noon session will imparts practical skill in the manufacturing process of composite.

## Workshop Coverage

- Introduction to Composites
- Manufacturing Techniques
- Design Considerations
- Recent Trends in Composites
- Polymer Nanocomposites for Emerging Technologies
- Natural fiber Reinforced Green Composites
- Hands-on Training

### Chief Patron

**Mrs. Qurrath Jameela**

Chancellor

### Mr. Abdul Qadir Abdul Rahman Buhari

Pro Chancellor

### Patron

**Dr. T. Murugesan**

Vice-Chancellor

### Dr. Thajuddin

Pro-Chancellor

### Co-Patron

**Dr. N. Raja Hussain**

Registrar

### Conveners

**Dr. H. Siddhi Jailani**

Professor & Dean (School of Mechanical Sciences)  
Department of Mechanical Engineering

**Dr. S. S. M. Abdul Majeed**

Professor & Director (Admission)  
Department of Polymer Engineering

**Dr. S. Shamshath Begum**

Associate Professor & HoD (i/c)  
Department of Polymer Engineering

### Coordinator

**Dr. Basanta Kumar Behera**

Assistant Professor (Sr. Gr)  
Department of Polymer Engineering

# Registration

## Guidelines to Participants

- Number of participants is limited to 30
- Participants will be selected on first - come first - serve basis
- Selected candidates will be intimated by e - mail
- Confirmation of participation by email is compulsory

## Registration Fee

- UG Students : Rs. 300/-
- Research Scholars, PG Students : Rs. 500/-
- Faculty from Institutions and Universities : Rs. 750/-
- Industry Professionals : Rs. 1000/-

## Mode of Payment

Please make online payment

Name of the account : HOD Polymer Engineering

Bank : Indian Overseas Bank (IOB),  
Vandalur, Chennai, 600048

Account No. : 165701000019913

IFSC code : IOBA0001657

(OR)



UPI ID : **hodpt19913@iob**

## Dates to Remember

- Last date for Registration : 14.11.2024
- Intimation of Selection : 15.11.2024
- Confirmation to Participants : 18.11.2024

## Online Registration

Please register through the below link :

<https://forms.gle/X9vPLMXkXuDzjzqDA>



**Participation Certificates will be Provided for the Registered Participants**

# Organizing Committee

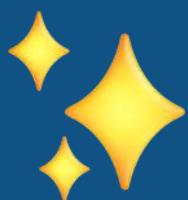


## Organizing Committee

Dr. Basanta Kumar Behera (Coordinator)  
Dr. Poondi Srinivasan  
Dr. J. Shahitha Parveen  
Mrs. R. Daulath Banu  
Mrs. J. Dafini

## For Assistance, Please Contact

Dr. S. Shamshath Begum  
Head of the Department  
Department of Polymer Engineering  
B. S. Abdur Rahman Crescent  
Institute of Science & Technology  
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<https://tinyurl.com/4w9a24em>



<https://tinyurl.com/sp5x8yva>



<https://tinyurl.com/28fsx8xw>

