Introduction

This workshop is aimed to provide necessary theoretical background along with rich hands-on experience on soft materials synthesis, and their applications. In recent years, soft-matter and its allied research areas have excelled in many technological fronts. As the current advancements and future perspectives show a lot of potential toward top-down and bottom-up approaches, we are committed to focus on some of the key areas namely self-assembly, sol-gel synthesis, electrospinning, Pickering emulsions, active matter, and soft lithography through this workshop. We believe that the workshop will benefit young researchers such as scientists, faculty and P.G. & Ph.D. students, working in the domains of colloidal systems, polymer nanomaterials, self-assembly, nano composites and bio materials. These soft materials are involved in many aspects of our life, for instance, health care & food products, paints, cosmetics and drugs. Therefore, we strive to bring scientists from premier institutes across the country under one roof. We are confident that the workshop will promote interactions among the active participants which may establish multiple ways for collaboration.

The Training program will be conducted by experienced people working in the area of advanced soft materials. In addition to the faculty of Chemical Engineering Department and other departments of NIT Warangal, the following experts will be the key resource persons.

- **Dr. Chandra Shekar Sharma**
  Associate Professor, Dept. of Chemical Engineering, IIT Hyderabad.
- **Dr. Ethayaraja Mani**
  Associate Professor, Dept. of Chemical Engineering, IIT Madras.
- **Dr. Venkateshwar Rao Dugyala**
  Dept. of Chemical Engineering, IISER Bhopal.
- **Mr. Prasad Gosavi**
  Technical Manager-SAXS, Anton Paar India Pvt. Ltd.
- **Mr. Vijaya Saradhi**
  Technical Manager-Particle Characterization Anton Paar India Pvt. Ltd.

About the Institute and Warangal

National Institute of Technology Warangal, an Institute of National Importance, is a premier Institution in the country imparting technical education of a very high standard leading to B.Tech degrees in various branches of engineering and M.Tech and Ph.D. programs in various specializations. The institute is now, 2018-2019, celebrating diamond jubilee to mark its 60 years of existence.

Warangal is known for its rich historical and cultural heritage. It is situated at a distance of 140 km from Hyderabad. Warangal is well connected by rail and road. NIT Warangal campus is about 2 km away from Kazipet railway station and 12 km from Warangal Railway station. Passengers are advised to alight either at Kazipet or Warangal depending upon the train of travel.
About the Department
The Department of Chemical Engineering was established in the year 1964 and has celebrated Golden Jubilee in the year 2014. The Department offers an Undergraduate program and Postgraduate programs in Chemical Engineering and Process Control. The Department has also been recognized as a QIP Center for pursuing both M.Tech and Ph.D programs. The Department has experienced faculty and well established laboratories. The total strength of faculty members at present is 18, having expertise in diversified areas.

Eligibility to attend the training program
Faculty from AICTE recognized institutions working in Chemical Engineering, Biotechnology, Materials & Basic sciences, Petrochemical Engineering and any other relevant departments, interested in the area of soft materials and their characterization are eligible. Research Scholars, M.Tech students working/interested in the related research area are also eligible.

Registration fee
The Registration fee is inclusive of course fee, refreshments during breaks, accommodation on sharing basis, breakfast, lunch, dinner on all five days. However, no TA/DA will be provided to the participants.

<table>
<thead>
<tr>
<th>Category</th>
<th>Registration fee (Rs.)</th>
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<tbody>
<tr>
<td>Faculty from AICTE</td>
<td>2,000</td>
</tr>
<tr>
<td>recognized academic institutes</td>
<td></td>
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<tr>
<td>Research scholars/students</td>
<td></td>
</tr>
<tr>
<td>Internal</td>
<td>500</td>
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<tr>
<td>External</td>
<td>1,000</td>
</tr>
<tr>
<td>Participants from industries</td>
<td>5,000</td>
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Accommodation
The participants will be provided accommodation (on shared basis) in the Institute Guest House/Hostels based on the mode of registration fee.

How to apply
Application in the prescribed format should be sent along with the registration fee. The fee may be paid online in the name “TEQIP III - Funds”, Account No. – 37583198741, State Bank of India, NIT Warangal Branch (IFSC Code: SBIN0020149). Filled in applications and proof of fee payment should be sent by post to the following address so as to reach on or before November 30, 2018. Applicants are also advised to send scanned copy of the application and proof of fee payment by e-mail.

Tentative Schedule of the Training Program

<table>
<thead>
<tr>
<th>Date/Time</th>
<th>9.00 am – 10.00 am</th>
<th>10.00 - 11.00 am</th>
<th>11.15 am – 12.15 pm</th>
<th>12.15 pm – 01.15 pm</th>
<th>02.30 – 04.00 pm</th>
<th>04.00 – 04.15 pm</th>
<th>04.15 – 05.30 pm</th>
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<tbody>
<tr>
<td>17/12/2018</td>
<td>Registration &amp; Inauguration</td>
<td>Lecture - 1</td>
<td>Lecture - 2</td>
<td>Lecture 3</td>
<td>Lecture - 4</td>
<td>Lecture - 9</td>
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<td>18/12/2018</td>
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<td>Lecture - 6</td>
<td>Lecture - 7</td>
<td>Lecture - 8</td>
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<td>IS-2</td>
<td>ES-2</td>
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<td>19/12/2018</td>
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<td>Lecture - 11</td>
<td>Lecture - 12</td>
<td>Lecture - 13</td>
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<td>LV-1</td>
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<tr>
<td>20/12/2018</td>
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<td>Lecture - 15</td>
<td>Lecture - 16</td>
<td>Lecture - 17</td>
<td>IS-2</td>
<td>IS-3</td>
<td></td>
</tr>
<tr>
<td>21/12/2018</td>
<td>Lecture – 18</td>
<td>Lecture – 19</td>
<td>Lecture-20</td>
<td>IS-3</td>
<td>IS-4</td>
<td>Valedictory</td>
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IS – Interactive session on characterization; ES - Experimental Session; LV- Lab visit

Coordinators

**Dr. S. Manigandan**
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**Dr. Manohar Kakunuri**
Department of Chemical Engineering
NIT Warangal
Contact: manohar@nitw.ac.in
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Application Form

1. Name : 
2. Designation : 
3. Gender : 
4. Department : 
5. Institution : 
6. Educational Qualification : B.Tech./M. Tech/MS/Ph.D. 
7. Address for correspondence : 
8. E-mail : 
9. Phone No. : 
10. Accommodation required : Yes / No 
11. Registration Fee Particulars
   
   Amount in Rs. : 
   
   Transaction Ref. No. : 
   
   Payment Date : 

Place: 
Date: 

Signature of the applicant

Signature of the Head of the Department/Institute/Lab with seal