

ONE WEEK ONLINE FACULTY DEVELOPMENT PROGRAM  
ON

## Materials for Energy and Biomedical Applications

(31 MAY-4 JUNE, 2021)

Organized by

Physics Division, Department of Basic Sciences & Humanities, GMR Institute of Technology, GMR Nagar, Rajam - 532 127, Andhra Pradesh

### ABOUT THE PROGRAMME

Physics division of GMRIT is striving hard to become recognized for excellence among academic institutions in AP and surrounding states of India. In the present scenario of student centric knowledge accumulation, faculty should make the students ready for the real situation. To make them industry ready, the faculty should upgrade themselves with the latest progress in any field. FDPs provide such platforms where speakers and the audience share and interact with various persons and enhance the ideas in order to disseminate the same to the respective students. The focus of this FDP is to emphasize on the progress on significant contributions by various people in Materials Science and related fields.

This FDP intends to:

- Improve performance of faculty members in education and research as well as increase the value of organizational capacities and culture.
- Bring Researchers, Academia and Technocrats from different parts of the country to a common platform for exchanging and sharing the recent developments in some of the areas of Physics and Materials Science.
- Introduce the recent developments happening in materials science in particular biomaterials and its applications, Magnetic materials and research skills development techniques etc.
- Provide some of the key characterization techniques that are encountered in materials research.



**Dr. Pratap Kollu**  
Assistant Professor  
CASEST, School of Physics  
University of Hyderabad  
Hyderabad



**Dr. Mangesh Lodhe**  
Assistant Professor  
Dept. of MME  
MANIT, Bhopal



**Dr. Kiran Kumar Tadi**  
Assistant Professor  
Dept. of Chemistry  
Vellore Institute of Technology  
Chennai



**Dr. Venu Reddy**  
DST INSPIRE Faculty & Head,  
Nanotechnology Research Centre  
SRKR Engineering College  
Bhimavaram



**Dr. Hanas T**  
Assistant Professor  
School of Materials Science and Engineering  
NIT Calicut

### ORGANIZING COMMITTEE

#### CHIEF PATRONS

Dr. Girish, Director Education  
Dr. C.L.V.R.S.V. Prasad, Principal

#### PATRON

Dr. R.L. Naidu, Professor & HoD, Dept. of BS&H

#### CONVENORS

Dr. B. Santhosh Kumar, Asst. Professor

#### CO-CONVENORS

Dr. M. Lakshmi Prasad, Asst. Professor  
Dr. M.P. Srinivasa Rao, Professor

#### COORDINATORS

Dr. P S Venkata Narayana, Professor  
Dr. A. Rambabu, Sr. Asst. Professor  
Dr. P. Geeta, Assistant Professor  
Dr. G. Thirumala Rao, Asst. Professor  
Dr. T. Samuel, Asst. Professor  
Mr. D. Govinda, Asst. Professor

### EXPERT SPEAKERS

#### REGISTRATION

Reg. Link: <https://tinyurl.com/9xp7zjpu>  
Registration Fee: zero

#### ONLINE PLATFORM: Microsoft Teams

E-certificate will be issued to the successful participants  
The timing tentatively is from 3- 4:30 PM IST

#### CONTACTS

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**LAST DATE FOR REGISTRATION :** On or before 30-05-2021.

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## Materials for Energy and Biomedical Applications

(31 MAY-4 JUNE, 2021)

Timings : Afternoon 3:00 PM to 4: 30 IST

### LECTURES SCHEDULE

| <b>DATE</b> | <b>Resource Person</b>   | <b>Topic</b>   |
|-------------|--|--|
| 31-05-2021  | <b>Dr. Pratap Kollu</b><br>Assistant Professor<br>CASEST, School of Physics<br>University of Hyderabad                           | Magnetic sensors for diverse applications                                  |
| 01-06-2021  | <b>Dr. Hanas T</b><br>Assistant Professor<br>School of Materials Science and<br>Engineering<br>NIT Calicut                       | Biodegradable Metallic<br>Implants   |
| 02-06-2021  | <b>Dr. Venu Reddy</b><br>DST INSPIRE Faculty & Head,<br>Nanotechnology Research Centre<br>SRKR Engineering College<br>Bhimavaram | Manipulation of Single<br>particles and Cells using<br>Magnetic Materials. |
| 03-06-2021  | <b>Dr. Mangesh Lodhe</b><br>Assistant Professor<br>Dept. of MME<br>MANIT, Bhopal   | Biomass derived SiC and<br>Graphene  |
| 04-06-2021  | <b>Dr. Kiran Kumar Tadi</b><br>Assistant Professor<br>Dept. of Chemistry<br>Vellore Institute of Technology<br>Chennai           | Engineered Ultrathin<br>Nanomaterials as Biosensing<br>Platforms.          |

**\*FDP online platform links will be shared to the registered candidates**