

**CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY  
(C-MET), PUNE**

Under the

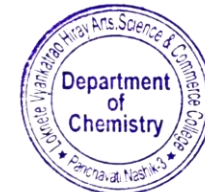
Ministry of Electronics and Information Technology (MeitY), Govt. of India


sponsored project

**“Creation of R&D Culture in Electronic Materials among SC/ST & Women Students from the  
Remote Areas in Maharashtra”**

in Collaboration with

**MGVS LOKNETE VYAANKATRAO HIRAY ARTS, SCIENCE AND COMMERCE COLLEGE,  
PANCHAVATI, NASHIK**



  
**Head**  
Department of Chemistry  
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College,  
Panchavati, Nashik - 3.

Department of Chemistry, Mahatma Gandhi Vidyamandir's, Loknete Vyankatrao Hiray Arts Science and Commerce College, Panchavati, Nashik has collaboration with the Centre for Materials for Electronics Technology (C-MET), Pune from 2020

### **Objectives:**

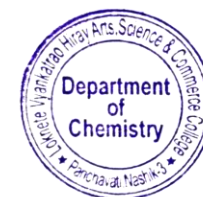
- To encourage the students for the research skill
- To give an opportunity to interact with the eminent scientist.
- To aware the students about the recent developments in the field of research.
- To create Research and Development Culture among students.



  
**Head**  
Department of Chemistry  
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College,  
Panchavati, Nashik - 3.

## **Achievements of the collaboration:**

1. Faculty and Students has participated in one day Faculty Development Programme and conferences .
2. Two students Participated in Five Days workshop (13-17 Jun 2022) organized by Center for Materials for Electronic Technology in association with Krishna Institute of Medical Sciences, Karad on "**Medical Physics, Nanomaterials and Bioelectronics used in healthcare domain**".
3. Nine students has participated in One Day Workshop on **Battery Fabrication and Modification Demonstration** held on 2nd August 2022.
4. Celebration of "**Har Ghar Tiranga**" through C-MET
5. One day Seminar on "**Perspective Of Materials In Electronics Technology**"



  
**Head**  
Department of Chemistry  
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College,  
Panchavati, Nashik - 3.



सेन्टर फॉर मेटिरियल्स फॉर इलेक्ट्रॉनिक्स टेक्नोलॉजी (सी-मेट)

(वैज्ञानिक संस्था, इलेक्ट्रॉनिक्स और सूचना प्रौद्योगिकी मंत्रालय, भारत सरकार)

पंचवटी, ऑफिस डॉ. होमी भाभा मार्ग, पंचवटी, पुणे - ४११ ००८, भारत.

CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY (C-MET)

(Scientific Society, Ministry of Electronics & Information Technology (MeitY) Govt. of India)

Panchwati, Off. Dr. Homi Bhabha Road, Pashan, Pune - 411 008, INDIA.

Tel. : +91-020-2589 8390, 2589 9273, 2589 8141

Fax : +91-020-2589 8180

Email: [sunit@cmet.gov.in](mailto:sunit@cmet.gov.in)/ [sunitrane@yahoo.com](mailto:sunitrane@yahoo.com)

Dr. SUNIT RANE  
Scientist

C-MET/PN/SP/SCST/07

24<sup>th</sup> November 2020

To,  
The Principal,  
Loknete Vyankatrao Hiray College,  
Panchwati, Nashik-422003.

**Sub:** Selection of your college students (SC/ST and Women category) for the participation in the training program---reg.

**Ref:** Your letter dated 06/10/2020.

Dear Sir,

Please refer to the above communication, we would like to inform you that based on the initial data provided by you, your college has been considered for participation in the programme entitled "Creation of R&D Culture in Electronic Materials among SC/ST and Women Students in Maharashtra" which is being implemented at C-MET, Pune.

You are requested to send the updated students data of final year BSc and MSc (1<sup>st</sup> and 2<sup>nd</sup> year if any) available students (SC and ST (both male and female category) and also women (other than SC-ST category wise) in the subjects of Physics, Chemistry and Electronics. Please also nominate one faculty member (with name and contact details) who can co-ordinate this activity at your end.

We are planning to start with online lectures/seminars/workshops for the students and well as faculties in the related category and the schedule will be shortly informed to you once received the required data from your side. Dr. Manish Shinde and Dr. Sudhir Arbutj will co-ordinate this activity from our side.

I look forward to hear from you at the earliest for the active participation of your college in the above said Programme.

With regards,

Sincerely yours,

(Dr. Sunit Rane)



**Head**  
Department of Chemistry  
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College,  
Panchavati, Nashik - 3.



## CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY (C-MET), PUNE

Organizing Lecture "Career opportunity in Research / Industry after Post graduation" on 21/12/2020

Under MeitY, Govt of India sponsored project

Creation of R&D Culture in Electronic Materials among SC/ST Students in Maharashtra

Eminent Speakers



Dr. Dhanraj Shinde  
Scientist  
(Ramalingaswami fellow)

**ABOUT C-MET:** Centre for Materials for Electronics Technology (C-MET) is R & D Institution Under Ministry of Electronics and Information Technology (MeitY), Govt. of India engaged in development of viable

technologies in the area of materials mainly for electronics. The institute is pioneer in advanced electronic materials research including nanostructured materials

**ABOUT Project :** This project aims to develop research & technical skills among SC/ST and women students from remote areas of Maharashtra in the field of Electronic Materials through Awareness Programme at C-MET Pune.

### Tentative Programme

Time	Topic
11:30-11:35	Introduction about Speaker
11:35-12:30	"Career opportunity in Research / Industry after Post graduation" By Dr. Dhanraj Shinde
12:30-12:35	Vote of Thanks

Live Streaming & Zoom Weblink

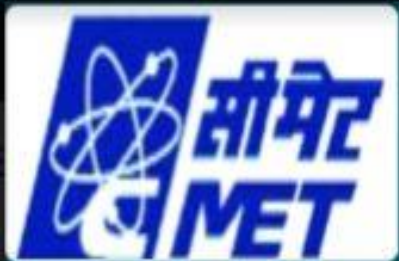


[meet.google.com/dje-yqqn-cnn](https://meet.google.com/dje-yqqn-cnn)



<https://www.youtube.com/channel/UC2H2R9M3HDa9qOAFkPm9XVg>

- ❖ Dr. Bharat Kale,  
(Director General(A))  
C-MET
- ❖ Dr. Sunit Rane,  
Scientist ,C-MET
- ❖ Dr. Sudhir Arbutj,  
Scientist, C-MET
- ❖ Dr. Manish Shinde,  
Scientist, C-MET
- ❖ Dr. Govind Umarji  
Scientist, C-MET
- ❖ Mr. R. Marimutthu  
Scientist, C-MET
- ❖ Dr. Yogesh Sethi  
Research Fellow ,  
C-MET, Pune
- ❖ Mrs.Priyanka Birla  
Research Fellow ,  
C-MET, Pune
- ❖ Mr. Amol Tambe  
Research Fellow ,  
C-MET, Pune
- ❖ Ms. Shubhangi Bhor  
Research Fellow ,  
C-MET, Pune  
&  
C-MET Team



**Centre For Materials For Electronics  
Technology, Pune  
Under MeitY (Gov. of India)  
Sponsored Project**

Request the pleasure to Join Us for  
Lecture Series Talk On

**“ALTERNATIVE CARRIER  
OPPORTUNITY IN MATERIALS SCIENCES”**



Guest Speaker

Young Scientist

**Dr. Ravindra Phatake  
Scientist,**

**Ben-Gurion University of Nagev,  
Israel**

**01|01|2021  
2:00 PM, IST  
FRIDAY**

*Join Virtually on our YouTube Channel*

<https://www.youtube.com/channel/UC2H2R9M3HDA9qOAFkPm9XVg>

**“EXPLORE IN SCIENCE”**



**CENTRE FOR MATERIALS FOR ELCTRONICS TECHNOLOGY  
(C-MET), PUNE**



**Under MeitY, Govt of India sponsored project**

Creation of R&D Culture in Electronic Materials among SC/ST Students in  
Maharashtra

**Organizes Online Lecture on 20<sup>th</sup> February 2021**

**Dr. Bharat Kale,  
Director General (A)  
C-MET**

**Dr. Sunit Rane,  
Scientist, C-MET**

**Dr. Sudhir Arbuji  
Scientist, C-MET**

**Dr. Manish Shinde  
Scientist, C-MET**

**Dr. Govind Umarji  
Scientist, C-MET**

**Mr. R. Marimutthu  
Scientist, C-MET**

**Dr. Yogesh Sethi  
Research Fellow  
C-MET, Pune**

**Mrs. Priyanka Birla  
Research Fellow  
C-MET, Pune**

**Mr. Amol Tambe  
Research Fellow  
C-MET, Pune**

**Ms. Shubhangi Bhor  
Research Fellow  
C-MET, Pune**

**&  
C-MET Team**

**ABOUT C-MET:** Centre for Materials for Electronics Technology (C-MET) is R &D Institution Under Ministry of Electronics and Information Technology (MeitY), Govt. of India engaged in development of viable technologies in the area of materials mainly for electronics. The institute is pioneer in advanced electronic materials research including nanostructured materials

**Eminent Speaker**



**Dr. Shrikant P. Takle  
Research Associate,  
Thermax, Pune**

**ABOUT Project** This project aims to develop research & technical skills among SC/ST and women students from remote areas of Maharashtra in the field of Electronic Materials through Awareness Programmers at C-MET Pune.

Time	Speaker	Topic
Introduction about Speaker		
11.35-12.35	Dr. Shrikant P. Takle	Applications of Chromatography & Spectroscopy Technique in Industry
Vote of Thanks		

**[Live Streaming & Zoom Weblink](#)**



<https://us02web.zoom.us/j/89979734003?pwd=emZiUDlJK3k0SEsvd0lQa2pFaHNTQT09>



<https://www.youtube.com/channel/UC2H2R9M3HDA9qOAFkPm9XVg>

International Conference on  
Multifunctional Electronic Materials & Processing (MEMP-2021)  
10<sup>th</sup> March 2021 Speker Details



**Prof. Mukund Karanjikar**  
President, Technology Holding  
LLC, 1515 W 2200 S, Salt Lake  
City UT 84119

**Topic :**  
Next Generation Separation Method for  
Rare Earths  
**Time :** 9:00 To 9:30 am



**Prof. Holly Stretz**  
Interim Chair and Professor, Department  
of Chemical Engineering, Tennessee  
Technological University, USA

**Topic :**  
Synthesis of a 2D Nanoparticle Infrared  
Reporter, Cuprorivate  
**Time :** 9:30 To 10:10 am



**Prof. Sabine Devatour-Vinot**  
Institute Charles Gerhardt, Montpellier

**Topic :**  
Identification of highly proton conductive  
MOFs by a hybrid experimental-  
computational strategy  
**Time :** 10:30 To 11:10 am



**Prof. V. N. Bhoraskar**  
(Research Professor)  
Sungkyunkwan University,  
Suwon, South Korea

**Topic :**  
Neutrino Energy  
**Time :** 11:00 To 11:40 am



**Prof. Holger Throsten**  
CEO, Neutrino Energy, Germany

**Topic :**  
Neutrino Energy Capture  
**Time :** 11:40 To 12:20 pm



**Prof. T. Ludwig**  
New Energy Technologies, Dorfstrasse  
Schönhegen, 16928 Pritzwalk, Germany

**Topic :**  
Neutrino foil, promising new energy  
technology  
**Time :** 12:20 To 13:00 pm



**Prof. Seeram Ramakrishna**  
Professor of Mechanical Engineering &  
Co-director of NUS Nanoscience and  
Nanotechnology Initiative, NUS,  
Singapore, H index-159

**Topic :**  
Future Healthcare Technologies:  
Intelligent Biomaterials & Systems  
**Time :** 14:00 To 14:40 pm



**Prof. Shweta Agarwala**  
Assistant professor at Department of

**Topic :**  
Printed and Bio-electronics Technology



**CENTRE FOR MATERIALS FOR  
ELECTRONICS TECHNOLOGY (C-MET)**

Scientific Society, Ministry of Electronics and Information Technology (MeitY), Govt of India

*Cordially Invites you on the occasion of*

**Annual Foundation Day – 2021 Celebration  
&  
Inauguration of MEMP-2021**

(International Conference on Multifunctional Electronic Materials and their processing (MEMP-2021))

*On Monday, 8<sup>th</sup> March 2021*

Venue

Digital Platform



**Shri. Raji Shankar Prasad,**  
Hon'ble Minister, Law & Justice,  
Communications & Electronics and Information  
Technology, Govt. of India.



**Shri. Sanjay Dhatre,**  
Hon'ble Minister of State for Education,  
Communications & Electronics and Information  
Technology, Govt. of India.



**Shri. Ajay Prakash Srivastava**  
Secretary, Ministry of Electronics &  
Information Technology,  
Govt. of India.



**Mrs. Jyoti Arora**  
Special Secretary &  
Financial Advisor  
MeitY, Govt. of India.



**Sh. V. K. Saravanan**  
Member MeitY Aayog,  
Govt. of India.



**Dr. Vijay Shankar  
Chaudhary,**  
Nobels University,  
Belgia.



**Prof. Rodney S. Ruoff**  
Director, CMTE,  
Republic of Korea.

**Programme**

Time	Topic
0900 – 0915 hr	<b>Invocation Vandana &amp; Shree Pragnan</b>
0915-0930 hr	Welcome Address & Eminent Guest on the Achievements of C-MET : <b>Sh. Bharat, S. Kulk, Director General (D), C-MET, Chairman, MEMP-2021</b>
0930-1000 hr	Address on the occasion of 20 <sup>th</sup> Annual Foundation Day of C-MET <b>Shri. Arvind Kumar, Group Coordinator, RARE, Ministry of Electronics &amp; Information Technology (MeitY), New Delhi</b>
1000-1015 hr	Address by <b>Mrs. Jyoti Arora, Special Secretary &amp; Financial Advisor, MeitY, Govt. of India</b>
1015-1030 hr	Inaugural Address <b>Shri. Ajay Prakash Srivastava</b> Secretary, Ministry of Electronics & Information Technology (MeitY), New Delhi
1030-1040 hr	Address by Guest of Honor <b>Dr. Vijay Shankar Chaudhary, Nobels University, Belgia</b>
1040-1100 hr	Address by Guest of Honor <b>Sh. V. K. Saravanan, Member, MeitY Aayog</b>
1100-1120 hr	Presidential Address <b>Shri. Sanjay Dhatre,</b> Hon'ble Minister of State for Education, Communications, Electronics & Information Technology
1120-1140 hr	Chief Guest Address <b>Shri. Raji Shankar Prasad,</b> Hon'ble Minister, Law & Justice, Communications & Electronics and Information Technology
1140 to 1145 hr	Vote of Thanks <b>Dr. Binay Prasad, Scientist B, C-MET, Pune</b>
1200 to 1205 hr	Foundation Day Speech, <b>Prof. Rodney S. Ruoff,</b> Director, Center for Multifunctional Carbon Materials (CMCM), Republic of Korea

International Conference on  
Multifunctional Electronic Materials & Processing (MEMP-2021)  
9<sup>th</sup> March 2021 Speker Details



**Prof. A Sumant**  
Group Leader - Nanofabrication and  
Devices/Material Scientist Nanoscience  
Angstrom National Laboratory, USA  
**Topic:**  
Towards developing energy-efficient  
electronics based on diamond  
**Time :** 8:20 To 9:00 am



**Prof. Yury Gogotsi**  
Distinguished University and Charles T. and Ruth  
M. Bach Professor - Material Science and  
Engineering, Drexel University USA H index-171  
**Topic:**  
Chemistry and Applications of 2D Carbides  
and Nitrides (MXenes)  
**Time :** 9:50 To 10:00 am



**Dr. Michael D. Irwin**  
CTO, Hunt Peroxide Technologies, LLC,  
USA.  
**Topic:**  
Derisking Metal Halide Peroxides  
Semiconductors for Solar PV Applications  
**Time :** 10:10 To 10:50 am



**Prof. Vinayak Dravid**  
Abraham Harris Professor of Material Science  
and Engineering, McCormick School of  
Engineering, Northwestern University, USA.  
**Topic:**  
Teaching "Old" Materials' New Tricks: Membrane-  
based Nanocomposites for Environmental  
Remediation and Circular Materials Economy.  
**Time :** 11:00 To 11:40 am



**Prof. Douglas Macfarlane**  
Sir John Monash Distinguished Professor, School of  
Chemistry, Monash University, Australia, H index-131  
**Topic:**  
Sustainable H<sub>2</sub> reduction to Ammonia: First step  
towards a sustainable and circular Ammonia  
Economy.  
**Time :** 11:40 To 12:20 pm



**Prof. Stefan Adams**  
Associate Professor, Department of Materials  
Science and Engineering, National University of  
Singapore.  
**Topic:**  
Tools for accelerated design of ion conducting  
solids for energy storage applications  
**Time :** 12:20 To 13:00 pm



**Prof. Animesh Jha**  
Professor of Materials Science University of Leeds,  
UK, Fellow of the IOP (London), Royal Society of  
Chemistry (UK) and Optical Society of America. He  
has published over 443 papers in journals and  
conferences.  
**Topic:**  
Q-dot Structures in Glass for Solar Energy Harvesting  
**Time :** 14:00 To 14:40 pm



**Prof. Nandish Thippeswamy**  
Process and Strategy Director at Metrochem  
Ltd, UK  
**Topic:**  
Importance of Techno-Economic Analysis in  
projects.  
**Time :** 14:40 To 15:20 pm



**Prof. Maya Bar-Sadan**  
Associate Professor, Department of Chemistry Ben  
Gurion University, ISRAEL.  
**Topic:**  
A place where everyone matters - Interfaces  
in functional nanostructures  
**Time :** 15:20 To 15:30 pm



**Prof. Chan-Jin Park**  
Professor, Materials Science and Engineering,  
Dankook National University, South Korea. Served  
as a Director of BK21 Center for Energy Convergent  
Materials, CNSL.  
**Topic:**  
Highly H<sub>2</sub> Composite Solid Polymer Electrolytes and  
Their Application in Al-Solvent State Lithium-Ion Batteries  
**Time :** 16:20 To 17:00 pm



**Dr. Glenn Mather**



**Dr. Mashekar**



**Dr. SUNIT RANE**  
Scientist

सेन्टर फॉर मेटिरियल्स फॉर इलेक्ट्रॉनिक्स टेक्नोलॉजी (सी-मेट)

(वैज्ञानिक संस्था, इलेक्ट्रॉनिक्स और सूचना प्रौद्योगिकी मंत्रालय, भारत सरकार)

पंचवटी, ऑफ डॉ. होमी भाभा मार्ग, पाषाण, पुणे - ४११ ००८, भारत.

**CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY (C-MET)**

(Scientific Society, Ministry of Electronics & Information Technology (MeitY) Govt. of India)

Panchwati, Off. Dr. Homi Bhabha Road, Pashan, Pune - 411 008, INDIA.

Tel. : +91-020-2589 8390, 2589 9273, 2589 8141

Fax : +91-020-2589 8180

Email: [sunit@cmet.gov.in](mailto:sunit@cmet.gov.in)/ [sunitrane@yahoo.com](mailto:sunitrane@yahoo.com)

C-MET/PN/SP/SCST/033

10<sup>th</sup> January 2022

To,  
The Principal,  
Mahatma Gandhi Vidyamandir's, Loknete Vyankatrao Hiray  
Arts, Science and Commerce College, Panchavati, Nashik-422003

**Sub: Selection of your college students (SC/ST and Women category) for the participation in the training program**

Dear Sir,

Please refer to the above communication, we would like to inform you that based on the initial data provided by you, your college has been considered for participation in the programme entitled "Creation of R&D Culture in Electronic Materials among SC/ST and Women Students in Maharashtra" which is being implemented at C-MET, Pune.

You are requested to send the updated students data of final year B.Sc. (2<sup>nd</sup> and 3<sup>rd</sup>) and M.Sc. (1<sup>st</sup> and 2<sup>nd</sup> year if any) available students (SC and ST (both male and female category)) and also women (other than SC-ST category wise) in the subjects of Physics, Chemistry and Electronics.

We are planning to start with online lectures/seminars/workshops for the students and well as faculties in the related category and the schedule will be shortly informed to you once received the required data from your side. Dr. Manish Shinde and Dr. Sudhir Arbuji will co-ordinate this activity from our side.

I look forward to hear from you at the earliest for the active participation of your college in the above said Programme.

With regards,



  
**Head**  
Department of Chemistry  
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College,  
Panchavati, Nashik - 3.

Sincerely yours,

  
(Dr. Sunit Rane)



Under MeitY, Gov. of India sponsored project  
Creation of R&D Culture In Electronic Materials among SC/ST and  
Women Students in Maharashtra  
Implemented by  
**CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY (C-MET), PUNE**



**CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY, PUNE**

Organizes

Guest Lecture on

**PHYSICAL AND CHEMICAL PROPERTIES OF  
NANOMATERIALS**

Resource Person



**Dr. Anupa A. Kumbhar**  
Associate Professor,  
Department of  
Chemistry SPPU, Pune

**Dr. Anupa A. Kumbhar**

**Zoom Link:**

<https://us02web.zoom.us/j/84746375048?pwd=ZmU1NENuOW9TWkdLNlJlY0VwV3VXQT09>

**You Tube Link:**

<https://www.youtube.com/channel/UC2H2R9M3HDA9qOAFkPm9XVg>

**Date & Time:**  
20<sup>th</sup> January 2022  
5:00 PM



CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY, PUNE



Under MeitY, Govt. of India sponsored project

Creation of R&D Culture in Electronic Materials among SC/ST Students in Maharashtra



Organizes  
A Guest Lecture on

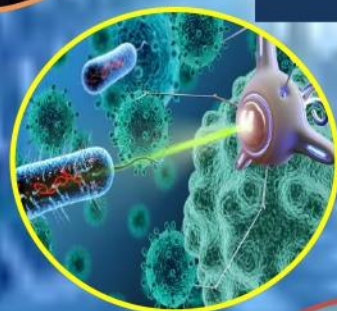
## SYNTHESIS AND CHARACTERIZATION OF NANOMATERIALS



Resource Person

**Dr. Smita Chaturvedi**

Dr. Smita Chaturvedi,  
Assistant Professor,  
Interdisciplinary School of  
Science SPPU Pune



**Date & Time:**  
**25<sup>th</sup> January 2022**  
**5:00 PM**

**Zoom Link:**

<https://us02web.zoom.us/j/81987028252?pwd=NS9teWhxT3B2eGR2dUhKU2FLWW95QT09>

**You Tube Link:**

<https://www.youtube.com/channel/UC2H2R9M3HDa9qOAFkPm9XVg>



Under MeitY, Govt. of India sponsored project  
Creation of R&D Culture in Electronic Materials among SC/ST & Womens  
Students in Maharashtra



Organizes  
A Guest Lecture On

## INTRODUCTION TO X-RAY DIFFRACTION (XRD) TECHNIQUE

Resource Person

**Dr. Sulabha Kulakarni**

INSA Fellow,  
C-MET, Pune

**Zoom Link:**

<https://us02web.zoom.us/j/81935957011?pwd=R2s3MVN3RzRCcGVzaldRYnFVbFNUUT09>

**You-Tube Link:**

[https://www.youtube.com/channel/UC2H2R9M3HDa9qOAFkPm\\_9XVg](https://www.youtube.com/channel/UC2H2R9M3HDa9qOAFkPm_9XVg)

**DATE & TIME:**

04<sup>th</sup> March 2022

5.00 PM

Webinar Under Ministry of Electronics & Information Technology (MeitY), Govt. of India  
sponsored project



Creation of R&D Culture in Electronic Materials among  
SC/ST and Women Students in Maharashtra

Implemented by

CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY, PUNE



Ministry of Electronics and  
Information Technology  
Government of India



## CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY

Organises  
Guest Lecture On

### INTRODUCTION TO SCANNING ELECTRON MICROSCOPY



RESOURCE PERSON

**Dr. (Mrs.) Sudha Bhoraskar**

Emeritus Professor,  
Department of  
Physics, SPPU, Pune

**Date & Time:**  
2<sup>nd</sup> March 2022  
5.00 PM

Zoom Link:

<https://us02web.zoom.us/j/83780160526?pwd=WGkyQXZ5TUl6VzRzQjFQeWltNkQzZz09>

You-Tube Link:

<https://www.youtube.com/channel/UC2H2R9M3HDa9qOAFkPm9XVg>



FACULTY ORIENTATION  
PROGRAMME-2022



DATE: 20 MAY 2022



**सीमेट C-MET** **FACULTY ORIENTATION WORKSHOP**

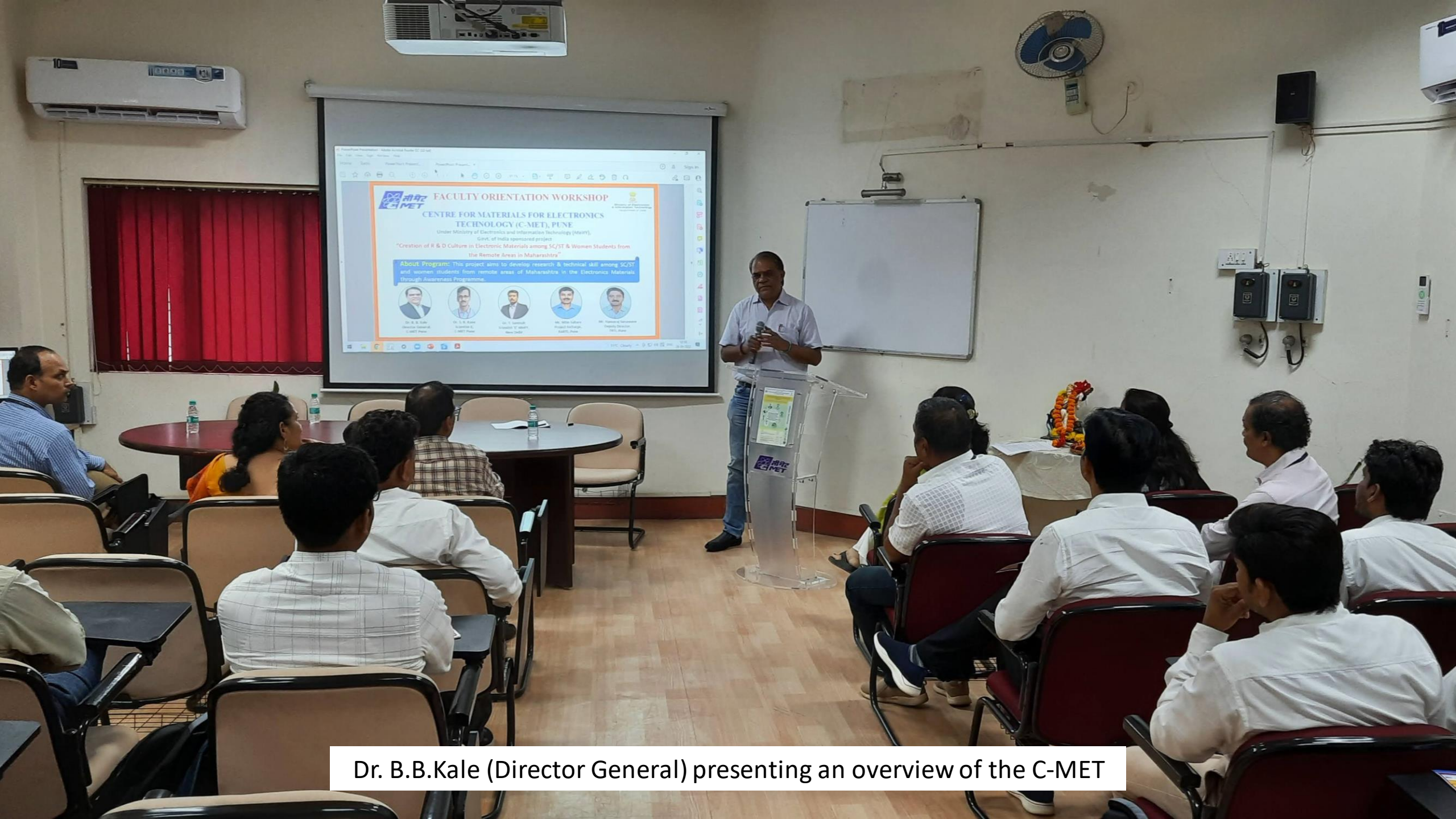
**CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY (C-MET), PUNE**  
Under Ministry of Electronics and Information Technology (MeitY),  
Govt. of India sponsored project

*"Creation of R & D Culture in Electronic Materials among SC/ST & Women Students from the Remote Areas in Maharashtra"*

**About Program:** This project aims to develop research & technical skill among SC/ST and women students from remote areas of Maharashtra in the Electronics Materials through Awareness Programme.

 Dr. B. S. Saha Director General, C-MET Pune	 Dr. S. B. Patil Sub-Director, C-MET Pune	 Dr. P. Sambhaji Sub-Director "B" Category, IITM (DST), Pune	 Mr. Nishu Jadhav Project In-charge, SARTI, Pune	 Mr. Harshad Sankhane Support Director, IITM, Pune
---	---	---	--	--

Faculty Orientation Programme-20th May 2022



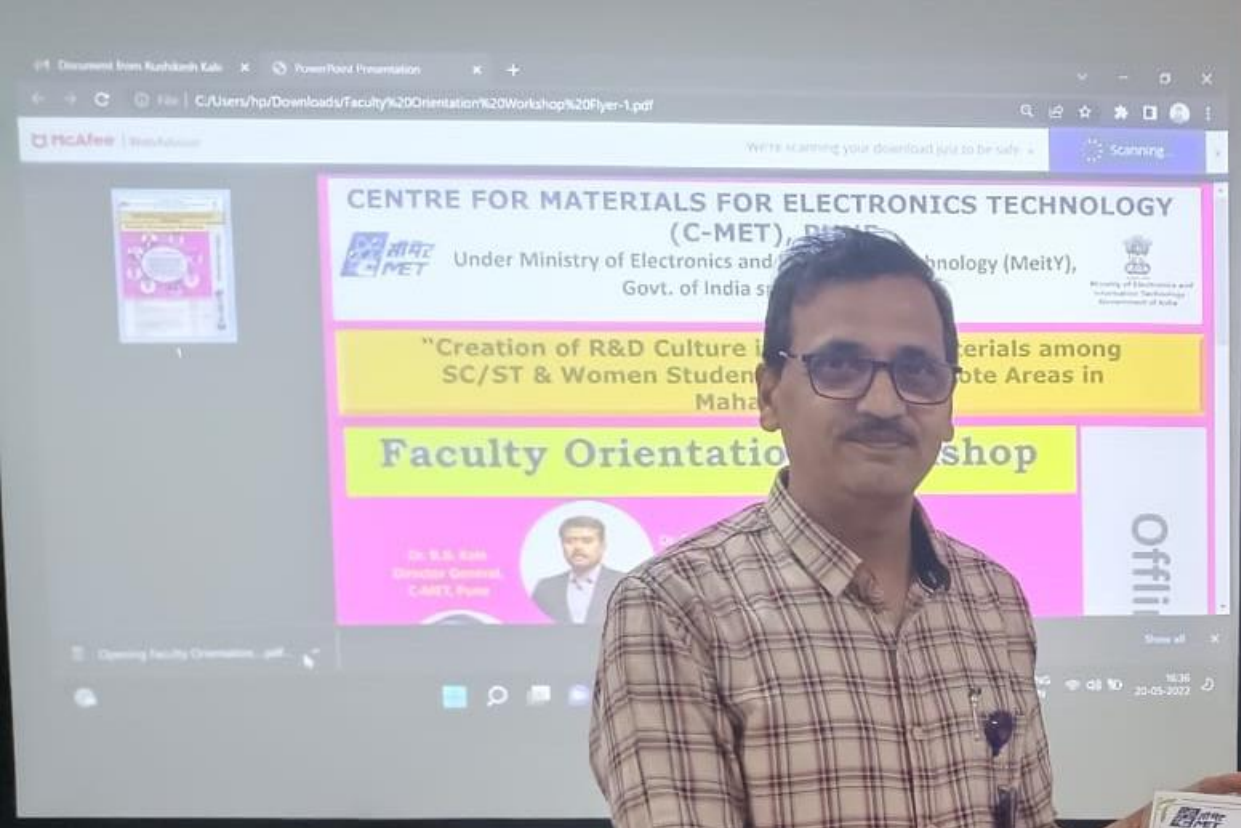
Dr. B.B.Kale (Director General) presenting an overview of the C-MET



Dr. Manish Shinde (Scientist, C-MET) discussing the issues and challenges in the field of research, with the Faculty



Mr. Satish A. Ahire presenting his views on issues and challenges in the field of research, with the Expertise



Workshop  
"Faculty Orientation Programme"  
Organized by  
CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY (C-MET), PUNE  
28<sup>th</sup> May 2022  
**CERTIFICATE**  
This is to certify that Shri S. S. Kulkarni, Director General, C-MET, Pune and  
other faculty members, C-MET, Pune, successfully participated in the Workshop  
organized by the Ministry of Electronics and Information Technology (MeitY), Govt. of India, under  
the project "Creation of R&D Culture in Materials among SC/ST and Women  
Students from the remote areas in Maharashtra" implemented by C-MET, Pune on 28<sup>th</sup> May 2022.  
Dr. S.S. Kulkarni  
Director General  
&  
Project Coordinator  
Dr. S.S. Kulkarni  
Director General  
&  
Project Coordinator







FIVE DAYS STUDENT  
TRAINING PROGRAMME-  
2022



DATE: 13 TO 17<sup>TH</sup> JUN 2022



**MeitY**  
Government of India



**CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY**  
(Under Ministry of Electronics & Information Technology, Govt. of India)



**KRISHNA INSTITUTE**  
OF MEDICAL SCIENCES  
DEEMED TO BE UNIVERSITY  
Knowledge • Innovation • Excellence



**JAYWANT INNOVATION INCUBATION CENTRE**  
Creativity • Network

## Centre for Materials for Electronic Technology (C-MET)

In association with

**Krishna Institute of Medical Sciences “Deemed to be University”, (KIMSDU) Karad**

**Organizes a Workshop on**

**“MEDICAL PHYSICS, NANOMATERIALS AND BIOELECTRONICS USED IN HEALTHCARE DOMAIN”**

**Under the MeitY, Government of India Sponsored Program**

**“Creation of R & D Culture in Electronics Materials among SC/ST and Women Students in Maharashtra”**

**Date: 13<sup>th</sup> to 17<sup>th</sup> June, 2022**

**Venue**

Krishna Institute of Medical Sciences “Deemed to be University” (KIMSDU), Malkapur, Karad (Dist.- Satara), Maharashtra, India, PIN – 415539



**INSTITUTION'S INNOVATION COUNCIL**



**MHRD'S**

**5 Days offline Workshop on Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain**



# KRISHNA INSTITUTE OF PHARMACY



**5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**



**5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**



**Biobionics**

Biobionics are produced by a fusion of micro-bionical activity of excitable cells (e.g., neurons, muscles, cardiac and smooth) and electrical (AC, DC) pulses influencing the flow of ions across the cell membrane.

**5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**



**5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**



**5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**



  
**Compression Only Life Support (COLS)**  
-By lay person outside hospital

Dr. S. S. Srinivasan, MCh, FRCR  
Professor of Critical Care Medicine, IISc &  
Department of Anaesthesiology  
IISc, Bengaluru, Karnataka

  
Kannada Institute of Medical Sciences Deemed to be University  
Kannada Society of Anaesthesiologists  
**Compression Only Life Support (COLS)**  


**5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**





**5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**



**5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**



**Mr. Sachin Jadhav, M.Sc-I participated in 5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**



**Mr. Kishor Raut, M.Sc-I student participated in 5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**



**Mr. Sachin Jadhav, M.Sc-I student participation in 5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**



# C-MET PUNE



**5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**



**Felicitation of students participated in the 5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**



## One Day Workshop on **Battery Fabrication and Modification Demonstration**



Date: 2<sup>nd</sup> August 2022





**One Days offline Workshop on “Battery Fabrication and Modification Demonstration”**



**Students interactions in One Days offline Workshop on “Battery Fabrication and Modification Demonstration”**



**One Days offline Workshop on “Battery Fabrication and Modification Demonstration”**



Lithium Ion Battery manufactured by C-MET, Pune



Cell Packing Maschine



Vacuum Chamber



HAR GHAR TIRANGA



Date: 15<sup>th</sup> August 2022

**\*INDIAN Flag to be distributed to SC/ST student only**

**To,  
Principal,  
Mahatma Gandhi Vidyamandir's, Loknete  
Vyankatrao Hiray Arts, Science &  
Commerce College, Panchavati,  
Nashik-422003  
Co-ordinator Name: Satish Ahire  
Mobile No.: 902146995**

Dr. Sudhir Arbuj (9850217500)  
Scientist



**सेन्टर फॉर मेटिरियल्स फॉर इलेक्ट्रॉनिक्स टेक्नोलॉजी (सी-मेट)**

(वैज्ञानिक संस्था, इलेक्ट्रॉनिक्स और सूचना प्रौद्योगिकी मंत्रालय, भारत सरकार)

पंचवटी, ऑफ डॉ. होमी भाभा मार्ग, पाषाण, पुणे - 411 008.

**CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY (C-MET)**

(Scientific Society, Ministry of Electronics & Information Technology, MeitY Govt. of India)

Panchwati, Off. Dr. Homi Bhabha Road, Pashan, Pune - 411 008. India.

2589 8141





**"Creation of R&D Culture in Electronic Materials among  
SC/ST & Women Students from the Remote Areas in  
Maharashtra"**

Organizes one-day seminar  
In Association with

**MGVs Loknete Vyankatrao Hiray Arts, Science & Commerce College,  
Panchavati, Nashik-422003, on the topic**

**Perspective of Materials for Electronics Technology**

**Chairman**  
Dr. Bharat B. Kale, Director General  
Centre for Materials for Electronics Technology (C-MET)

**Co-Chairman**  
Dr. B. S. Jagdale, Prindpal, MGS LVH College, Nashik

**Convener**  
Prof.(Dr.) K.H.Kapadnis. Vice Principal & Head  
Prof.(Dr.) Mrunal Bhardwaj. Vice Principal & IQAC Coordinator

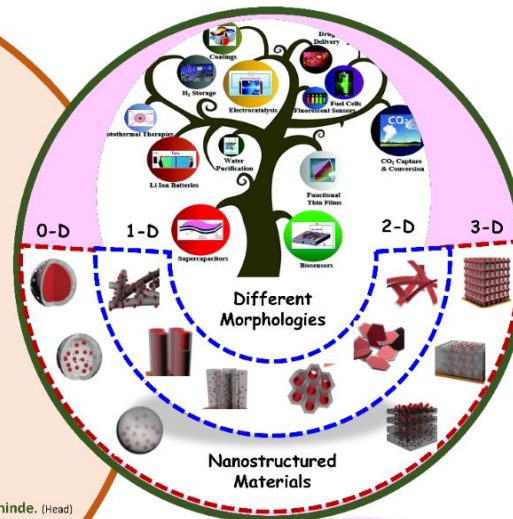
**Co-convenor**  
Dr. Sudhir S. Arbuj, Scientist, C-MET, Pune

**Co-ordinator**  
Prof. Satish A. Ahire, MGVs LVH College, Nashik

**Co-cordinator**  
Dr. Govind Umarji, Scientist, C-MET, Pune

**Organizing Committee from C-MET, Pune**  
Dr. Manish Shinde (Scientist, C-MET Pune)  
Dr. Ranjit Hawaldar (Scientist, C-MET Pune)  
Mr. Amol Tambe.  
Ms. Priyanka Birla.  
Ms. Sayali Shenkar.  
Mr. Rushikesh Kale.

**Organizing Committee from LVH College, Nashik**  
Prof.(Dr.)T.B.Pawar. Dr. S.J.Patil (Head & COE) Dr. U.P.Shinde. (Head)  
Mrs.N.V.Sadgir. Dr.K.B.Bhamre Dr.A.B.Patil.  
Dr.S.S.Chobe. Dr.J.M.Shewale  
Dr.V.A.Adole.  
Dr.Sunil Dhonnar.



**19<sup>th</sup> August 2022**

**Time:  
10.00 am to 4.00 pm**

**Duration:  
1Day**

**Mode: Offline**

**Venue:**  
New Conference Hall, MGVs Loknete  
Vyankatrao Hiray Arts, Science and  
Commerce College, Panchavati College,  
Nashik-422003

Sr. No.	Program	Time
1.	Overview about C-MET by Dr. Bharat B. Kale, Director General, C-MET	10.00 to 11.00
2.	Semiconductor Nano Structures and its various applications, Dr. Sudhir S. Arbuj, C-MET, Pune	11.00 to 11.45
3.	High tea	11.45 to 12.00
4.	Making of Silver Nps and Its applications Dr. Govind G. Umarji, C-MET, Pune	12.00 to 12.45
5.	3D Printing Technology in Its Applications Dr. Manish Shinde, C-MET, Pune	12.45 to 1.30
	<b>Lunch Break</b>	<b>1.30 to 2.30</b>
6.	Importance of 2D materials in Quantum Computing by Dr. Ranjit Hawaldar	2.30 to 3.30
7.	Panel Discussion and vote of thanks	3.30 to 4.30

# Team C-MET



Dr. Bharat B. Kale,  
Director General (C-MET)



Dr. Sudhir S. Arbuj,  
(Scientist)



Dr. Govind Umarji,  
(Scientist)



Dr. Manish Shinde  
(Scientist)



Dr. Ranjit Hawaldar  
(Scientist)



Mr. R. Marimuthu  
(Scientist)



Mr. Amol Tambe



Ms. Priyanka Birla.



Ms. Sayali Shenkar.



Mr. Rushikesh Kale



**Dr. Bharat B. Kale presenting an overview of the C-MET, Pune**





**Dr. Ranjit Hawaldar Delivering talk on Quantum Computing and 2D Material**



**Interaction of the Team C-MET, Pune with students**

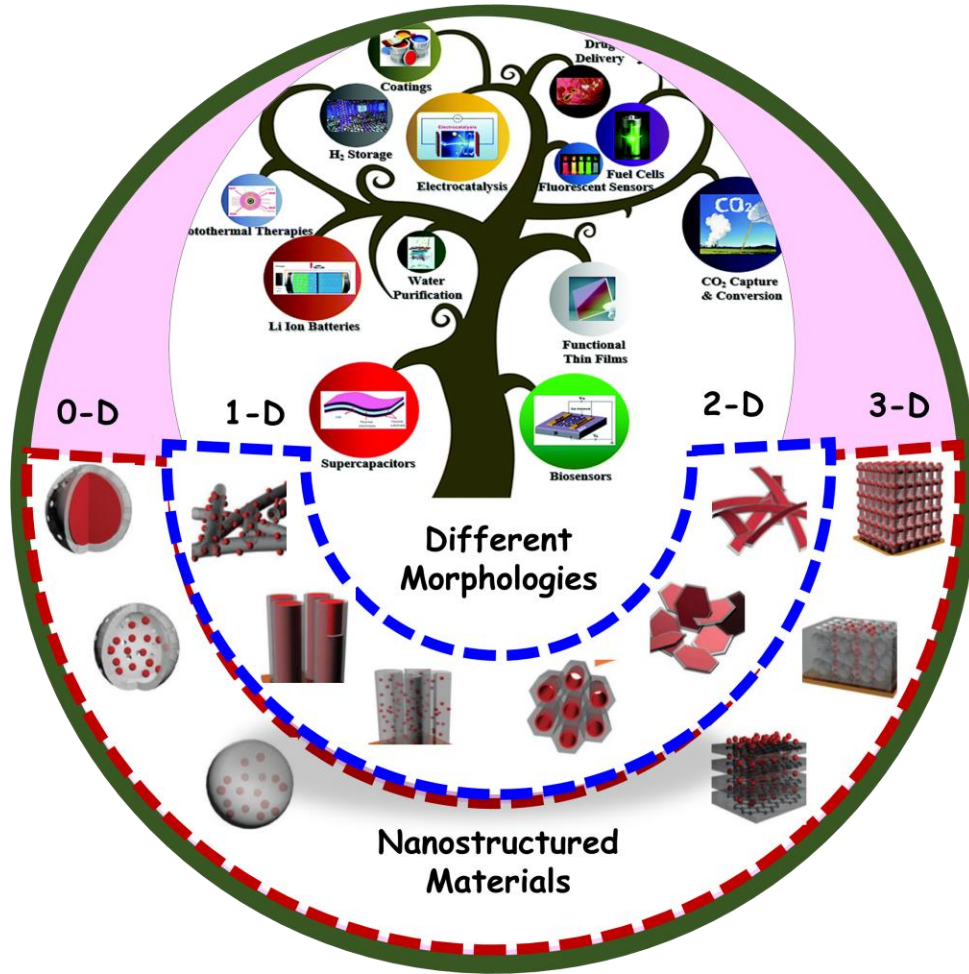






**Certificate distribution to participants**





Thank  
You