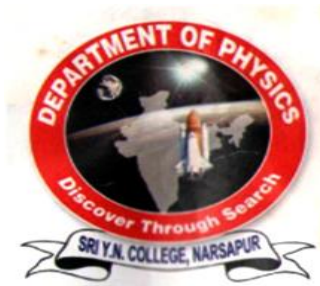




**ONEDAY NATIONAL ONLINE
WORKSHOP
ON
“NANOMATERIALS”**

**12th NOVEMBER, 2021
10 AM TO 1 PM**



Organized by

**DEPARTMENT OF PHYSICS & ELECTRONICS
SRI Y.N.COLLEGE (A)
NARSAPUR
IN ASSOCIATION WITH IQAC**



SRI Y N COLLEGE (A)
NARSAPUR, West Godavari District, Andhra Pradesh.

Affiliated to Adikavi Nannaya University, Rajamahendravaram
Thrice Accredited by NAAC with 'A' Grade

One Day National Online Workshop on

“Nanomaterials”

on

12th November, 2021

10:00 AM to 1:00 PM

Organised by

**Department of Physics &
Department of Electronics**

REPORT

Department of Physics Sri Y N College(Autonomous), Narsapur organised National Online Workshop on the topic “**Nanomaterials.**” On 12th November, 2021. The speakers for this workshop were Prof. B V R Tata, Professor, School of Physics, University of Hyderabad, Dr. Tata Narasinga Rao Director(Additional Charge) ARCI – International Advanced Research Centre for Powder Metallurgy and Materials Hyderabad

The Programme initiated by the Secretary & Correspondent of Sri Y N College(A) Dr.Chinamilli Satya Narayana Rao garu at 10 AM with a brief message on the pandemic and the necessity of online teaching.

In the Session-I, the Resource person Prof. B V R Tata, Professor, School of Physics, University of Hyderabad gave his presentation on the topic “Crystalline Arrays of Nanoparticles: Physics of Structural Colors & Photonic Bandgap ” which focuses on evolution of Nanoparticles and its applications in different sectors.

In the Session-II, the Resource person Dr. Tata Narasinga Rao Director(Additional Charge) ARCI – International Advanced Research Centre for Powder Metallurgy and Materials Hyderabad gave his presentation on the topic “Science and Technology of Nanomaterials” which focuses on nanoparticles, nanotubes and other nanounits, and their assemblies. In addition, there will be progress in the discovery and commercialization of nanotechnologies and devices. Dr. V V S Naidu, HoD of Physics & Electronics hosted the program and organized interactive session with Resource Persons & Students. Students clarified their doubts with Resource persons. The Workshop is ended by proposing the formal Vote of Thanks.

Targeted participants for the Workshop were the Students, Research Scholars & Faculty. After the completion of the Workshop, feedback was collected from the participants regarding the event. A total of 355 Participants given their valuable feedback regarding the Workshop.

Workshop Flyer



SRI Y N COLLEGE **(AUTONOMOUS)**

(Affiliated to Adikavi Nannaya University)
Thrice Accredited by NAAC at 'A' Grade
Recognized by UGC as "College with Potential for Excellence"
Narsapur-534275, Andhra Pradesh

National Online Workshop on **Nanomaterials**

Organised by
Department of Physics

on 12th November, 2021 at 10:00 AM



Dr. B V R Tata
Hon. Professor
School of Physics
University of Hyderabad
Hyderabad

Speaker-I
Crystalline Arrays of Nanoparticles:
Physics of Structural Colors & Photonic
Bandgap

Speaker-II
Science and Technology of
Nanomaterials



Dr. Tata Narasinga Rao
Director (Additional Charge)
ARCI – International Advanced Research
Centre for Powder Metallurgy and Materials
Hyderabad

- ✚ E-Certificate will be provided.
- ✚ Registration is free.

[For Registration Click Here](#)

Live web session through

Chief Patron
Dr. C Satyanarayana Rao
Secretary & Correspondent

Patron
Dr. R Pardhasaradhi
Principal

Organising Members
Mr. M S Ranganayakulu
Mrs. A S S Jyothi
Mrs. P Rajeswari
Ms. G Suvarchala Devi
Mr. M Shankar
Ms. V Durga Sandhya
Mr. A Rajesh
Mr. K Naveen Kumar
Ms. B Jhansi Lakshmi

Advisor
Mr. R V Subbarao
Scientist (Retd.) &
Academic and Research Advisor

Convener
Dr. V V S Naidu
Head, Department of Physics

Workshop Schedule



SRI Y N COLLEGE **(AUTONOMOUS)**

(Affiliated to Adikavi Nannaya University)
Thrice Accredited by NAAC at 'A' Grade
Recognized by UGC as "College with Potential for Excellence"
Narsapur-534275, Andhra Pradesh

National Online Workshop on **Nanomaterials**

Organised by

Department of Physics

on 12th November, 2021 at 10:00 AM

PROGRAMME SCHEDULE

Inviting Participants	10:00 AM	Dr. V V S Naidu Convener
Welcome Address	10:05 AM	Dr. R Pardhasaradhi Principal
Inaugural Address	10:15 AM	Dr C Satyanarayana Rao Secretary and Correspondent
Session-I		
Introduction of the Resource Person	10:25 AM	Smt. A S S Jyothi Lecturer in Physics
Crystalline Arrays of Nanoparticles: Physics of Structural Colors Photonic Bandgap	10:30 AM	Prof. B V R Tata School of Physics University of Hyderabad, Hyderabad
Question & Answers		
Session-II		
Introduction of the Resource Person	11:40 AM	Smt. P Rajeswari Lecturer in Physics
Science & Technology of Nanomaterials	11.45 AM	Dr. Tata Narasinga Rao Director(Addl. Charge) ARCI, Hyderabad
Question & Answers		
Vote of Thanks		Mr. M S Ranganayakulu Lecturer in Physics

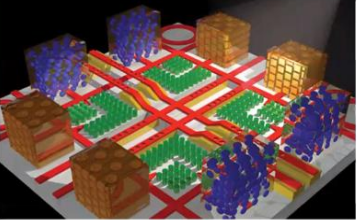
Some of the Screenshots from the Workshop

Zoom Meeting | You are viewing B V R Tata's screen | View Options

Participants: Sri V N College(Auton..., Director Research, B V R Tata, Dr V V S Naidu, tata Narasinga..., G S.Devi

Controlling flow of light at mesoscopic scale ?

Can we have a Semiconductor/Electron band gap(EBG) analogue for Photons?
Yes & Photonic Band Gap (PBG) Crystals



- Photonic wires (metallic wires)
- Photonic Band Gap materials ? (semiconductors)
- Opaque materials (insulators)

- Photonic Chip
- Photonic Devices
- Photonics


Recording... LIVE on YouTube

Unmute | Start Video | Security | Participants (93) | Chat | End

Type here to search | 11:06 AM 11/12/2021

Zoom Meeting | You are viewing B V R Tata's screen | View Options

Participants: L.Sukanya, Sri V N College(Auton..., Director Research, B V R Tata, Dr V V S Naidu, tata Narasinga...



Recording... LIVE on YouTube

Unmute | Start Video | Security | Participants (91) | Chat | Share Screen | Pause/Stop Recording | Stop Live Stream

Type here to search | 11:30 AM 11/12/2021


Chat: R.N.VISWANATH PHY... Excellent presenta... es from che

Zoom Meeting

Recording... LIVE on YouTube

Science and Technology of Nanomaterials

Tata Narasinga Rao
Associate Director
E-mail: tata@arci.res.in



International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI),
Hyderabad, India

Mandate: Transforming Laboratory research into Technology and transfer to industries

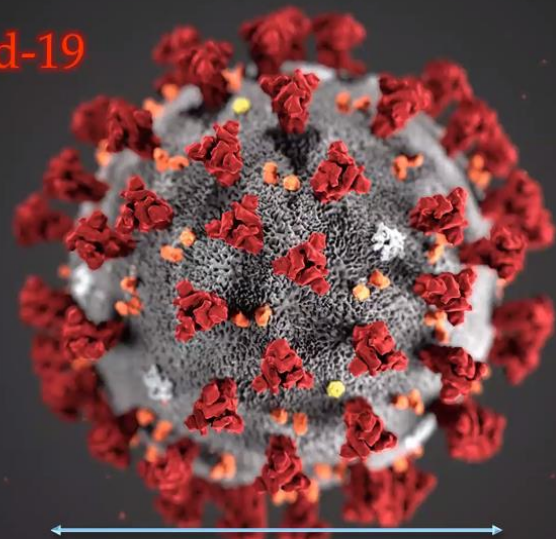
Type here to search

11:57 AM 11/12/2021

Zoom Meeting

Recording... LIVE on YouTube

Covid-19



100 nm

Participants (81)

Type here to search

12:14 PM 11/12/2021

ERTIFICA

Participation Certificate



SRI Y.N.COLLEGE (AUTONOMOUS)

(Affiliated to Adikavi Nannaya University)
Thrice Accredited by NAAC at 'A' Grade
Recognized by UGC as "College with Potential for Excellence"
Narsapur-534275, Andhra Pradesh



Certificate ID:
YNC11211071

Certificate of Participation

This certificate is presented to

Dr. Uttam Kumar Das

of

College of Teacher Education

for his/her active participation in the

National Online Workshop on Nanomaterials

Organised by the Department of Physics in Association with IQAC

on 12th November, 2021



Dr. A V Ramana

Dr. A V Ramana
Coordinator IQAC

Dr. V V S Naidu

Dr. V V S Naidu
Convener

Dr. R Pardhasaradhi

Dr. R Pardhasaradhi
Principal