



ABOUT THE CENTRE FOR HEALTHCARE ADVANCEMENT, INNOVATION AND RESEARCH (CHAIR)

The Centre for Healthcare Advancement, Innovation and Research aims in bringing a fresh perspective to the challenges of embedding health and social care innovations, and sustainability at large. The Centre actively succeeds to be at the forefront of cutting-edge advancements in teaching, training and research by setting an example in preserving lives and providing all technological solutions under one roof at an affordable cost. We bring together experts from a variety of disciplines across, including electronics engineers, bioengineers, computer scientists, chemists, healthcare professionals and clinicians.

ABOUT VIT CHENNAI

Founded in 1984, VIT has made a mark in the field of higher education in India imparting quality education in a multi-cultural ambience, intertwined with extensive application-oriented research. VIT was established with the aim to provide quality higher education on par with international standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. VIT was established by well-known educationalist and former parliamentarian, Dr. G. Viswanathan, Founder and Chancellor, a visionary who transformed VIT into a centre of excellence in higher technical education. Govt. of India recognised VIT as an Institution of Eminence (IoE). VIT Chennai is ably spearheaded by Mr. Sankar Viswanathan, Vice President; Ms. Kadhambari S. Viswanathan, Assistant Vice President; Dr Rambabu Kodali, Vice Chancellor and Dr. V. S. Kanchana Bhaaskaran, Pro Vice Chancellor. They share in the mission to make VIT a global centre towards academic and research excellence. The focus is:

- To maximize the interactive Industrial Connectivity
- To create centres of excellence in niche areas
- To enrich technological and managerial human capital nurtured in a multicultural ambience
- To provide a common platform for the agglomeration of ideas of personnel from various walks of life for learning enrichment
- To create opportunities and exploit the available resources to benefit industry and society
- To encourage participation in the National Agenda of knowledge building
- To foster international collaborations for mutual benefits in areas of research



VIT[®]

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)
CHENNAI

**Centre for Healthcare Advancement,
Innovation and Research**

**Organises
ONLINE WORKSHOP ON
SCANNING ELECTRON
MICROSCOPE**

(16 July 2021)
Platform: Zoom

**Organised by
Dr. Kiran Kumar Tadi
Dr. Gargi Raina**

**Vellore Institute of Technology
Chennai**

VIT – Recognised as Institution of Eminence (IoE) by Government
of India
VIT – A place to learn; A chance to grow

PROGRAMME SCHEDULE

Date: 16 July 2021

Time: 10.00 AM – 1.00 PM – Theoretical Aspects

2.00 PM – 5.00 PM – Online Training

TOPICS COVERED

THEORY:

- Components and capabilities
- Challenges associated with different samples,
- In-situ features and advanced technologies (STEM detector, CL and so on).

PRACTICAL:

- Sample preparation and mounting
- Software training
- Morphological Characterization of samples
- Elemental mapping with EDS Detector
- Factors influencing resolution of image with examples

RESOURCE PERSONS

Dr. Raghavendra Rao Juluri

TEM Technical Specialist

Sabanci University, Turkey



**FOREVISION
INSTRUMENTS**

Mrs. Shravani Anagandula

SRF – SEM Technical Support

Tata Institute of Fundamental
Research Institute, Hyderabad



COORDINATORS

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FREE REGISTRATION

Applicants willing to participate in the workshop require to register themselves and nominate their colleague(s) by filling the google registration link appended below

<https://forms.gle/ouBKRWcHzBnTU1gA6>

*** Thank You in Advance ***