



**SARVAJANIK
UNIVERSITY**

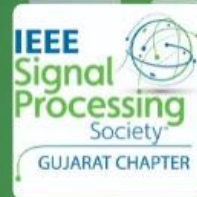
INCLUSIVE | INTEGRATED | INNOVATIVE

**Sarvajnik University
Sarvajnik College of Engineering & Technology
Masters in Computer Applications Department**



Date: 20th July 2021

**Report on Expert Talk under R&D Talk Series on
“Classification and Management of Lung Disease”**



Expert Talk Under R & D Talk Series

Organized by

**MCA Department, Sarvajnik College of Engineering and Technolgy
in Collaboration with IEEE SPS (Gujarat Section & SCET Student
Branch Chapter)**



**"Classification and Management of
Lung Disease"**

July 17 2021 | 10:30 AM IST

Scan to Register



Prof Dr Norliza Mohd Noor

Head of Electrophysiology Research Group,
Razak Faculty of Technology and
Informatics, Universiti Teknologi Malaysia,
Kuala Lumpur Campus, Malaysia



scet.ac.in/



[@mcascetofficial](https://www.facebook.com/mcascetofficial)



[@mca_scet_official](https://www.instagram.com/mca_scet_official)



[ieeespsgs](https://www.facebook.com/ieeespsgs)

Since the beginning of the year 2020, the world has been traumatized with COVID-19 pandemic. The COVID-19 virus that attacked human respiratory system is still spreading with its variants in the world. Various machine learning models and technologies have been under research to classify and manage lung diseases that includes COVID-19 too. With this outlook, as a part of lecture series under R & D Drive, **MCA Department** in collaboration with **IEEE Signal Processing Society (SPS) - Gujarat Chapter (GS)**, had **organized an Expert Lecture on “Classification and Management of Lung Disease”**. Dignified and learned professor, **Prof Dr Norliza Mohd Noor** shared her expertise in this domain with us and also shared the data that she had gathered on the topic during her research. The Talk was in collaboration with **IEEE Signal Processing (SPS), Gujarat Section (GS)** and **IEEE SCET Student Branch Chapter**.

Speaker	Prof Dr Norliza Mohd Noor Head of Electrophysiology Research Group Razak Faculty of Technology and Informatics, University Teknologi Malaysia, Kuala Lumpur Campus, Malaysia.
Topic	Classification and Management of Lung Disease
Date and Time	17th July 2021, Saturday (10.30 am to 11.30 am)
Venue	Online via Google Classroom
Coordinator	Dr. Alpa Shah
Targeted Audience	Interested Students and Faculty members
Total Registrations	82

Prior to the talk, an informal discussion between Dr Norliza and participants was carried out. Dr. Alpa Shah, Head of Department welcome all the faculties and invited Dr. Chirag Paunwala, Dean R & D, SCET and Chair of IEEE Signal Processing Society (SPS), Gujarat Chapter to introduce the audience regarding various activities done under IEEE SPS. After highlighting various events under IEEE SPS, **Dr Alpa gave an introduction of Prof Dr Norliza Mohd Noor**. After which, the stage was handed to the Expert.

Highlights from the Talk:

- ✓ **Discussion on Respirator Anatomy and normal Lung**
- ✓ **Identification of Lung Cancer through Images**
- ✓ **Various types of diseases related to lungs, viz. Pneumonia, Pulmonary Tuberculosis, Lung Cancer – Their symptoms, and treatments.**
- ✓ **Classification results using Machine Learning Techniques**
- ✓ **Role of AI in COVID-19 Clinical Decision**
- ✓ **Various components of AI-based lung Classification Systems**
- ✓ **Radiographic patterns of COVID-19**
- ✓ **Normal Vs Abnormal Lung Classification Model**

The session ended with a Question and Answer session. To express sincere gratitude towards Prof Dr Norliza Mohd Noor, Dr Alpa Shah presented an E-Memento. Dr Norliza showed her interest in collaboration with Institutes/Individuals for future work in data available from India.

We would like to thank **Dr. Hiren Patel**, Principal, SCET, for providing an opportunity to schedule such informative talk. We profusely thank **Dr. Chirag Paunwala**, Dean R & D for providing a conducive environment and his continuous support. We are also grateful to **Shri Bhaskar Cheruku**, Registrar for helping with the process.

Some glimpses of the event are shared below:

